

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056154.D
 Acq On : 8 Jun 2019 15:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:52 AM

Quant Time: Jun 10 03:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	293346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	422063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	381829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	143735	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	130174	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.09	98	492384	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	170039	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	156337	48.522	ug/l	100
3) Chloromethane	2.06	50	161033	50.641	ug/l	99
4) Vinyl Chloride	2.19	62	158384	49.655	ug/l	99
5) Bromomethane	2.53	94	96635	47.960	ug/l	100
6) Chloroethane	2.68	64	89895	48.608	ug/l	99
7) Trichlorofluoromethane	3.00	101	199196	48.918	ug/l	97
8) Diethyl Ether	3.40	74	79913	47.722	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	126885	51.296	ug/l	99
10) Methyl Iodide	3.94	142	180436	45.902	ug/l	99
11) Tert butyl alcohol	4.82	59	133688	263.752	ug/l	99
12) 1,1-Dichloroethene	3.72	96	121627	49.390	ug/l	97
13) Acrolein	3.60	56	38143	260.923	ug/l	98
14) Allyl chloride	4.31	41	195904	50.380	ug/l	98
15) Acrylonitrile	4.99	53	352290	285.518	ug/l	99
16) Acetone	3.82	43	438580	314.836	ug/l	98
17) Carbon Disulfide	4.04	76	255500	43.332	ug/l	99
18) Methyl Acetate	4.33	43	158777	58.119	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	402248	51.244	ug/l	99
20) Methylene Chloride	4.55	84	143357	49.950	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	131446	49.817	ug/l	98
22) Diisopropyl ether	5.95	45	413453	51.436	ug/l	98
23) Vinyl Acetate	5.90	43	1718768	271.522	ug/l	100
24) 1,1-Dichloroethane	5.84	63	235634	50.819	ug/l	100
25) 2-Butanone	6.84	43	540551	307.120	ug/l	99
26) 2,2-Dichloropropane	6.82	77	171882	47.506	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	155070	49.997	ug/l	98
28) Bromochloromethane	7.19	49	113704	51.855	ug/l	99
29) Tetrahydrofuran	7.22	42	302290	277.848	ug/l	99
30) Chloroform	7.37	83	239953	51.443	ug/l	100
31) Cyclohexane	7.65	56	215355	46.595	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	197184	50.624	ug/l	99
36) 1,1-Dichloropropene	7.79	75	174354	48.043	ug/l	99
37) Ethyl Acetate	6.93	43	183953	56.968	ug/l	99
38) Carbon Tetrachloride	7.77	117	162007	48.420	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	219104	48.465	ug/l	99
40) Benzene	8.04	78	557870	50.612	ug/l	100
41) Methacrylonitrile	7.18	41	88048	59.264	ug/l	98
42) 1,2-Dichloroethane	8.12	62	177371	50.026	ug/l	100
43) Isopropyl Acetate	8.17	43	281178	53.736	ug/l #	93
44) Trichloroethene	8.83	130	156045	49.267	ug/l	99
45) 1,2-Dichloropropane	9.12	63	149204	52.847	ug/l	99
46) Dibromomethane	9.21	93	96416	52.222	ug/l	99
47) Bromodichloromethane	9.40	83	172760	51.629	ug/l	98
48) Methyl methacrylate	9.20	41	140721	54.971	ug/l	97
49) 1,4-Dioxane	9.20	88	60778	1099.736	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	913070	279.038	ug/l	99
52) Toluene	10.16	92	352083	51.332	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	180562	46.215	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	215229	53.511	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143959	52.986	ug/l	98
56) Ethyl methacrylate	10.43	69	216401	54.596	ug/l	99
57) 1,3-Dichloropropane	10.71	76	234666	53.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	376478	240.181	ug/l	100
59) 2-Hexanone	10.75	43	687587	289.923	ug/l	99
60) Dibromochloromethane	10.90	129	140790	47.133	ug/l	100
61) 1,2-Dibromoethane	11.00	107	148158	53.342	ug/l	98
64) Tetrachloroethene	10.63	164	157247	47.576	ug/l	98
65) Chlorobenzene	11.43	112	377691	49.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135571	51.668	ug/l	100
67) Ethyl Benzene	11.51	91	658589	49.841	ug/l	100
68) m/p-Xylenes	11.62	106	507912	100.621	ug/l	99
69) o-Xylene	11.95	106	248981	50.144	ug/l	98
70) Styrene	11.96	104	414299	52.515	ug/l	99
71) Bromoform	12.13	173	101041	46.094	ug/l #	100
73) Isopropylbenzene	12.25	105	656425	52.949	ug/l	100
74) N-amyl acetate	12.07	43	233017	50.125	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	204201	50.439	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	163031m	50.805	ug/l	
77) Bromobenzene	12.53	156	179294	48.020	ug/l	96
78) n-propylbenzene	12.59	91	704057	47.721	ug/l	99
79) 2-Chlorotoluene	12.67	91	430078	52.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	540534	46.099	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48427	50.257	ug/l	88
82) 4-Chlorotoluene	12.77	91	417388	48.356	ug/l	99
83) tert-Butylbenzene	12.99	119	478816	52.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	535705	48.178	ug/l	100
85) sec-Butylbenzene	13.17	105	615045	47.073	ug/l	99
86) p-Isopropyltoluene	13.29	119	560699	47.950	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	286656	49.605	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273923	49.276	ug/l	99
89) n-Butylbenzene	13.61	91	423343	48.872	ug/l	100
90) Hexachloroethane	13.87	117	84488	47.910	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284128	48.700	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30359	52.429	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138020	43.533	ug/l	99
94) Hexachlorobutadiene	15.01	225	106828	53.534	ug/l	99
95) Naphthalene	15.13	128	365239	44.265	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	151256	46.396	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

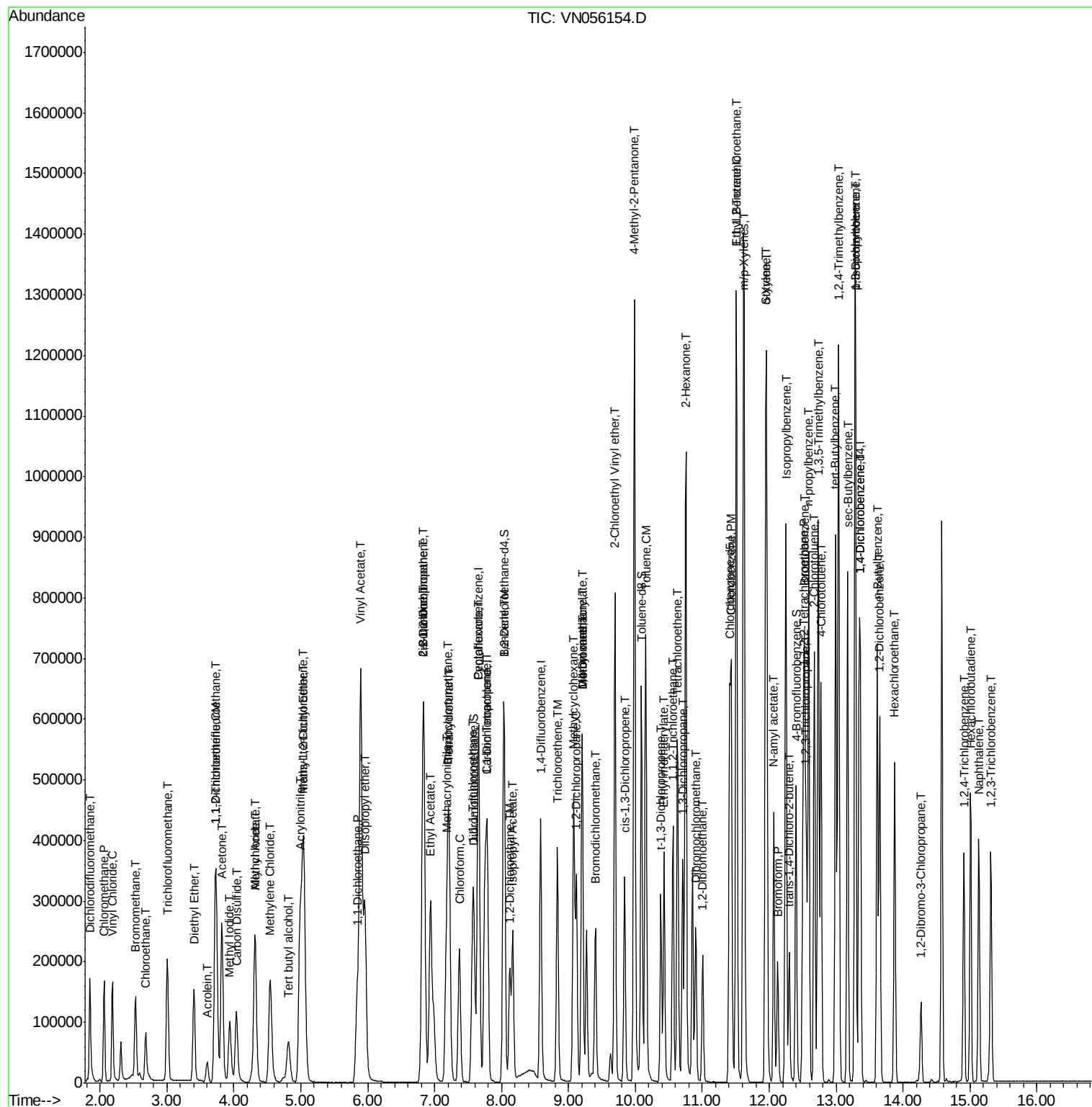
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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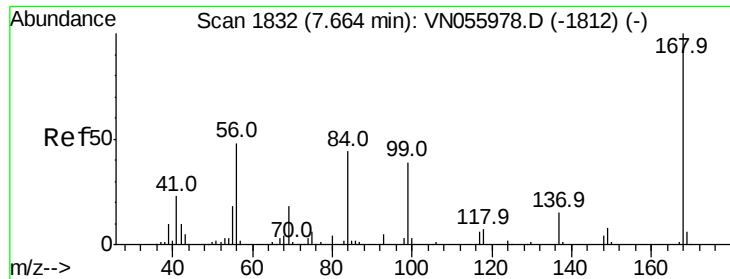
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 293346

Ion Ratio Lower Upper

168 100

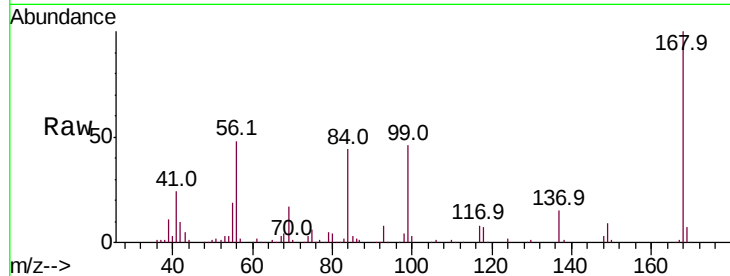
99 45.9 37.2 55.8

Manual Integrations

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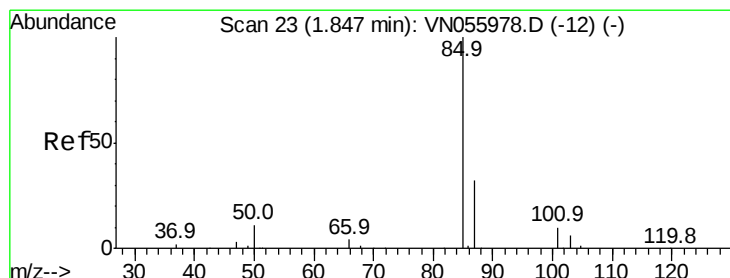
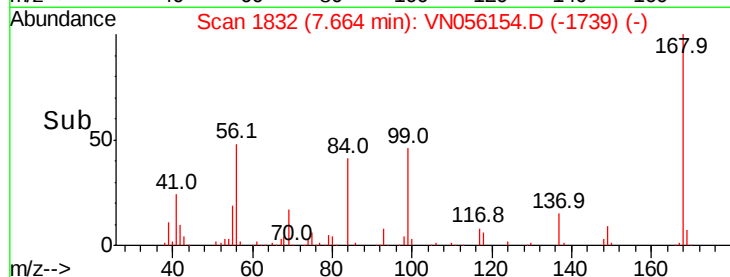
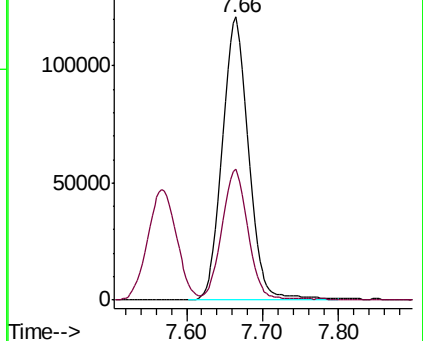
MMDadoda

6/10/2019 11:25:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.522 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056154.D

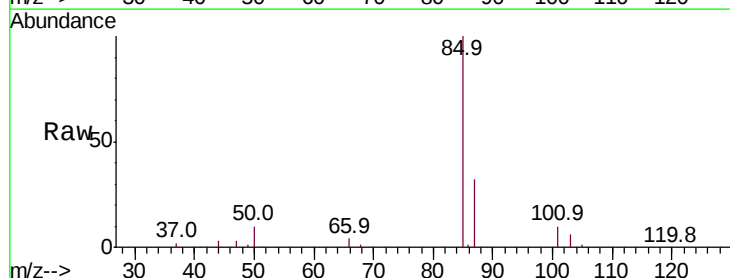
Acq: 8 Jun 2019 15:23

Tgt Ion: 85 Resp: 156337

Ion Ratio Lower Upper

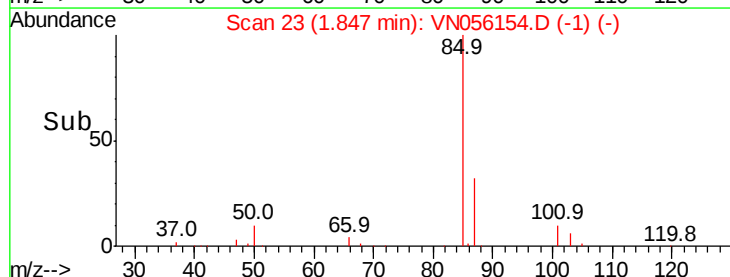
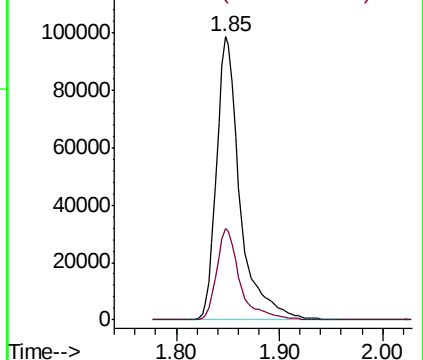
85 100

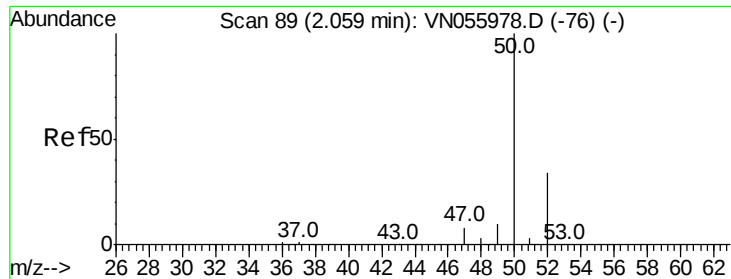
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.641 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 161033

Ion Ratio Lower Upper

50 100

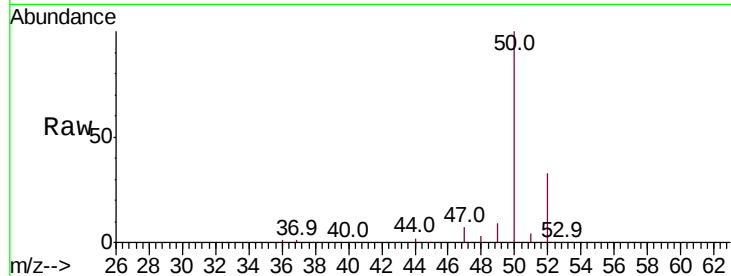
52 32.9 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

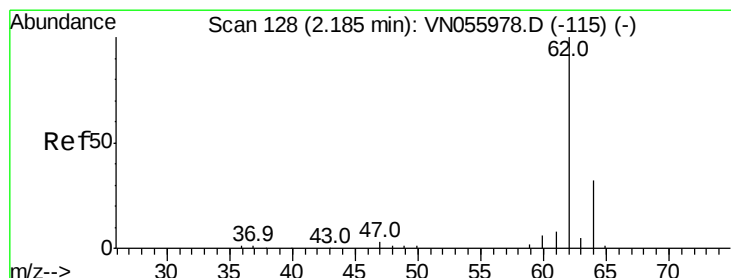
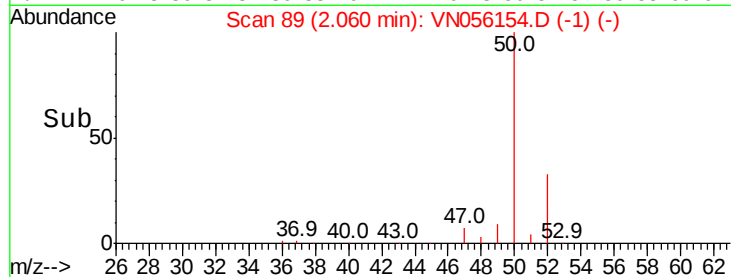
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.655 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056154.D

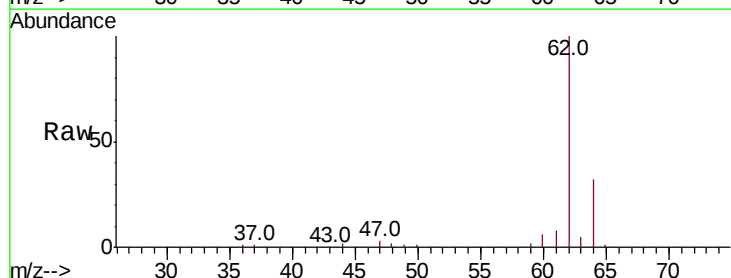
Acq: 8 Jun 2019 15:23

Tgt Ion: 62 Resp: 158384

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

120000

100000

80000

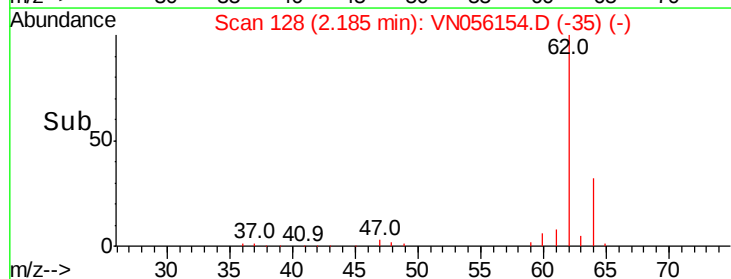
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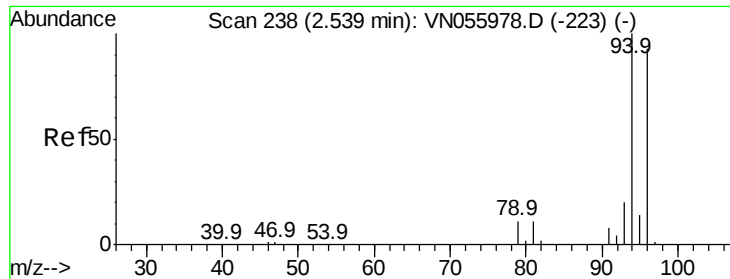
40000

20000

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Time-->





#5

Bromomethane

Concen: 47.960 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 96635

Ion Ratio Lower Upper

94 100

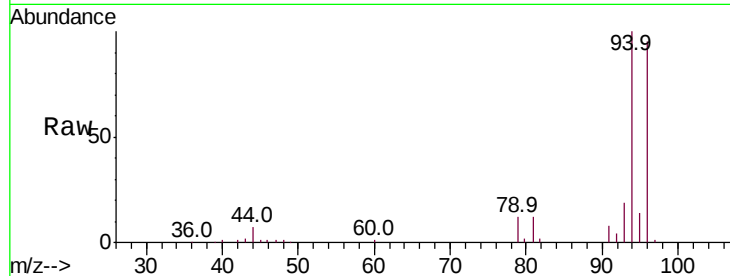
96 94.7 75.5 113.3

Manual Integrations

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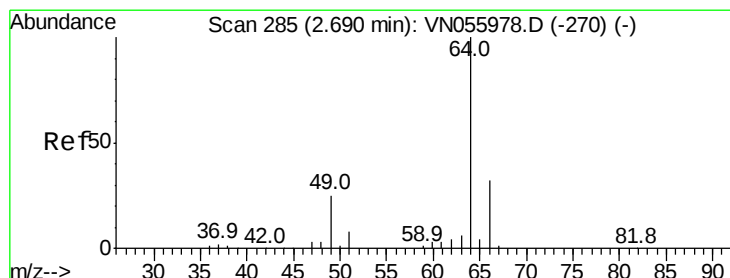
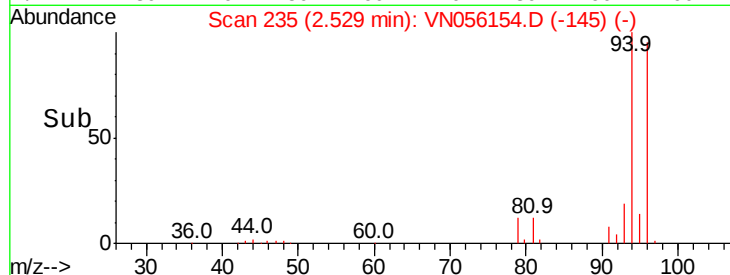
Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.53

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 48.608 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056154.D

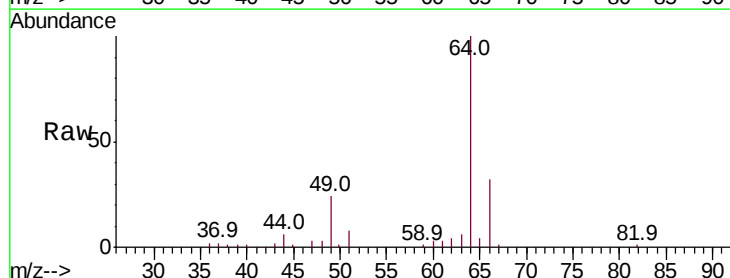
Acq: 8 Jun 2019 15:23

Tgt Ion: 64 Resp: 89895

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.0



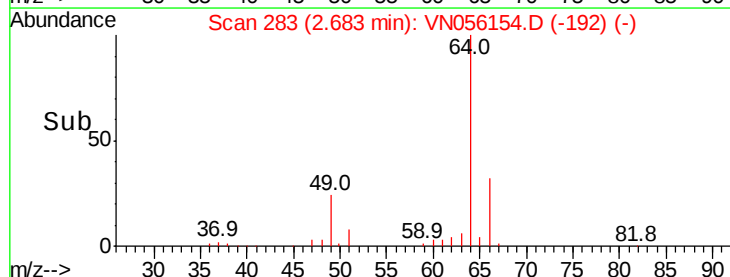
Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

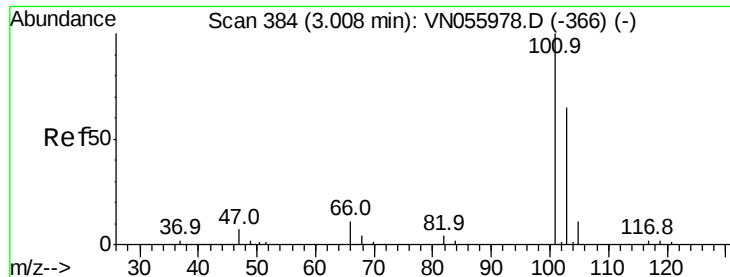
Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

2.68

2.60 2.70 2.80

Time-->





#7

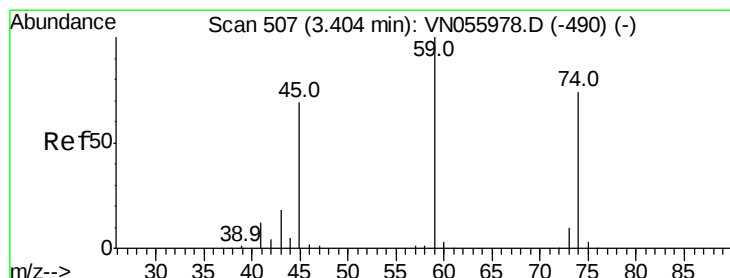
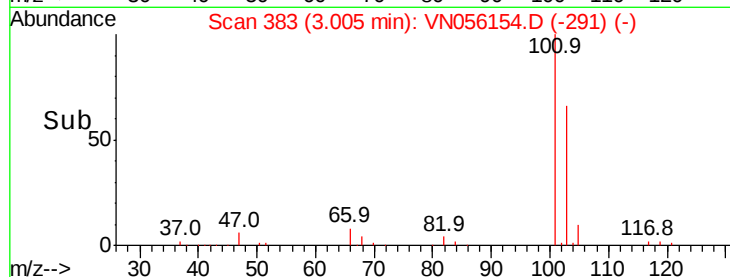
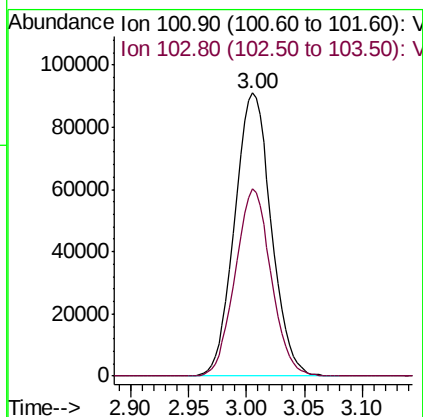
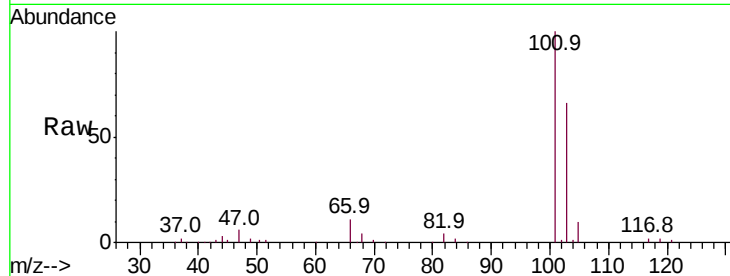
Trichlorofluoromethane
Concen: 48.918 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.2	76.8

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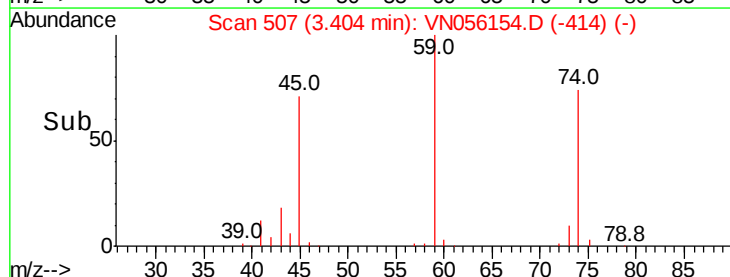
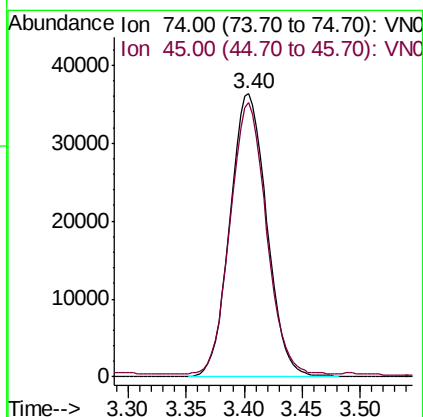
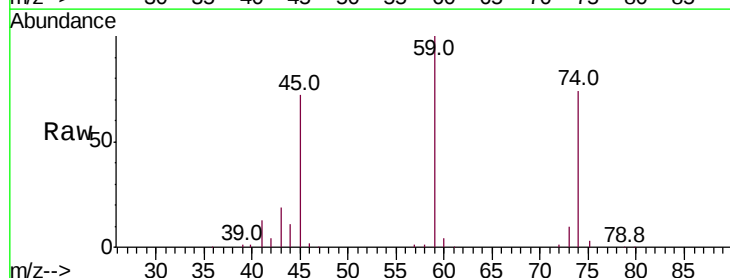
MMDadoda
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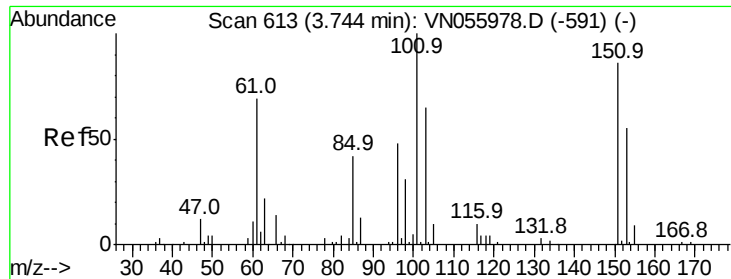


#8

Diethyl Ether
Concen: 47.722 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.296 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

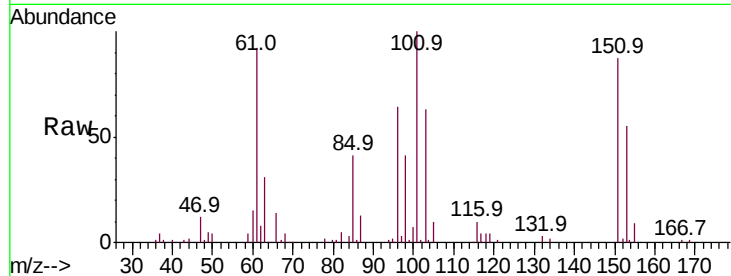
ClientSampleId :

VSTDCCC050EC

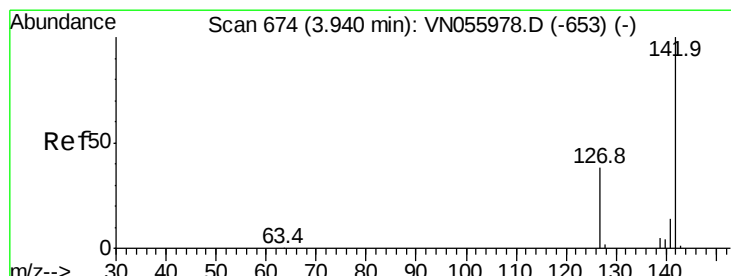
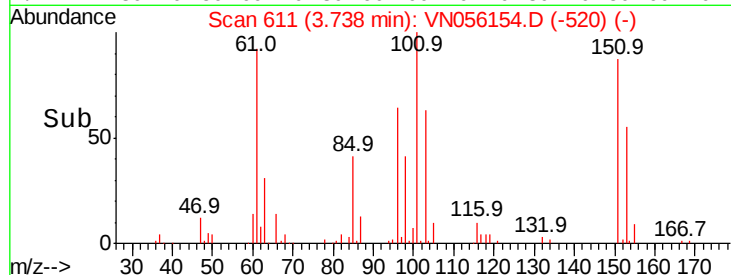
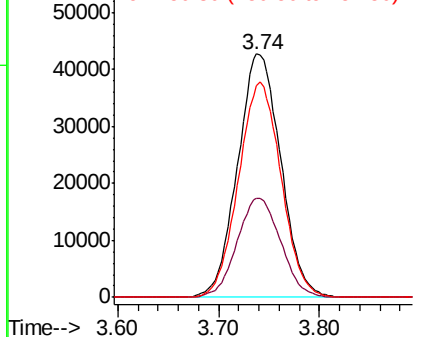
Tot Ion:	101	Resp:	126885
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.2
151	87.4	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.902 ug/l

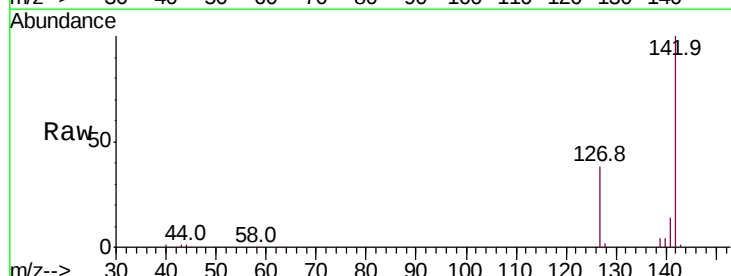
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

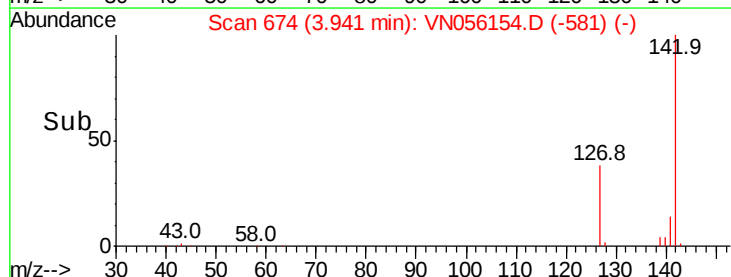
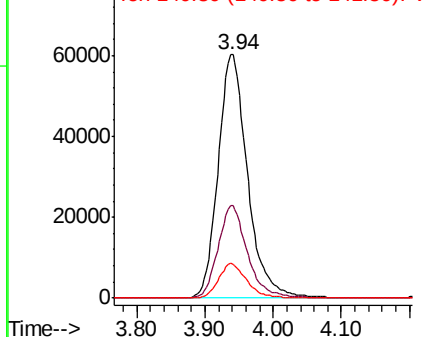
Lab File: VN056154.D

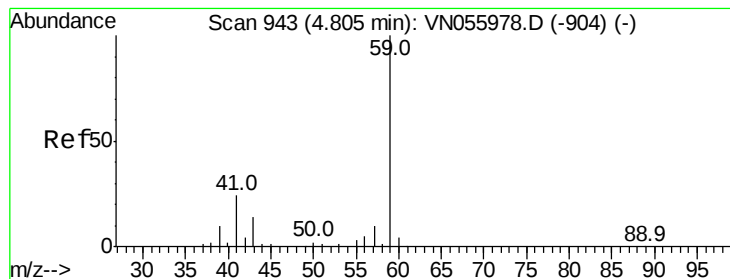
Acq: 8 Jun 2019 15:23

Tgt Ion:	142	Resp:	180436
Ion Ratio	Lower	Upper	
142	100		
127	37.8	31.0	46.4
141	13.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

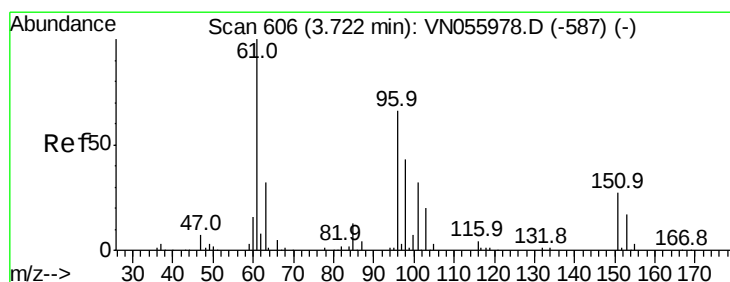
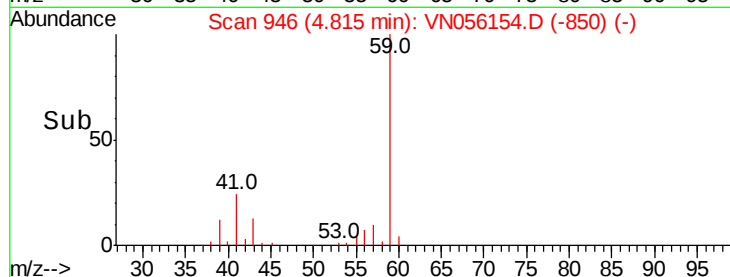
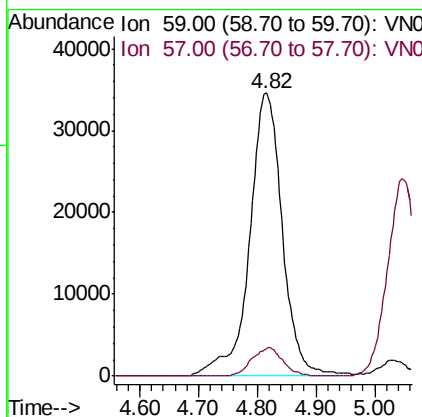
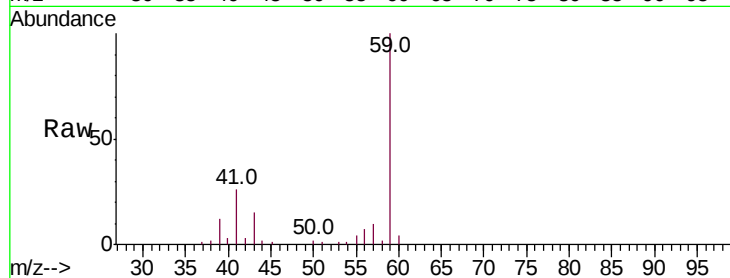
Tert butyl alcohol
Concen: 263.752 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	133688
Ion Ratio	100	Lower	Upper
57	9.5	7.8	11.6

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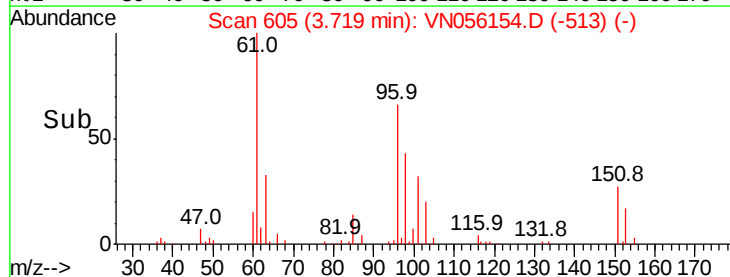
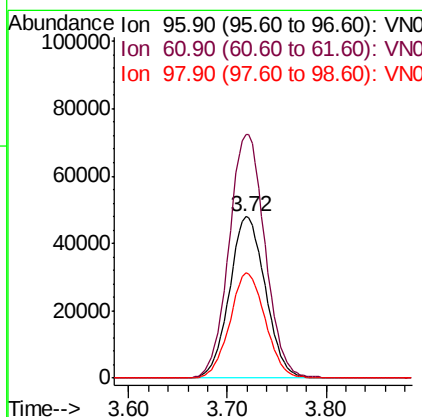
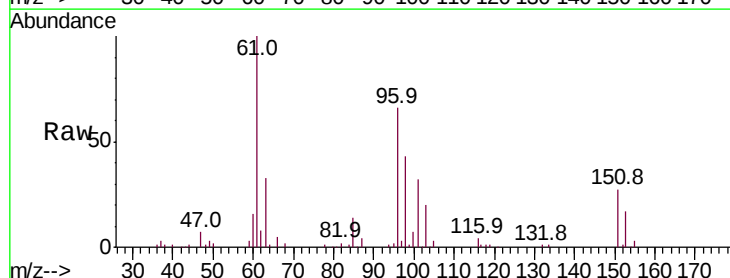
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6/10/2019 11:25:52 AM

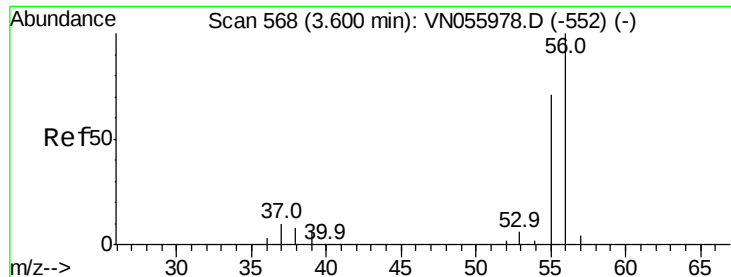


#12

1,1-Dichloroethene
Concen: 49.390 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	96	Resp	121627
Ion Ratio	100	Lower	Upper
61	151.1	123.2	184.8
98	65.6	50.4	75.6





#13

Acrolein

Concen: 260.923 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38143

Ion Ratio Lower Upper

56 100

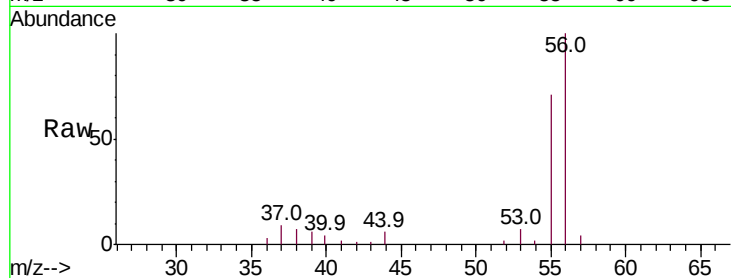
55 71.0 55.4 83.2

Manual Integrations

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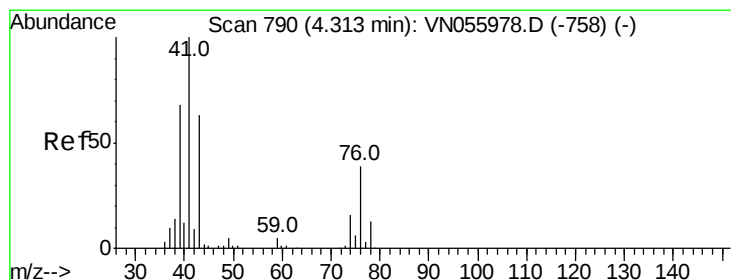
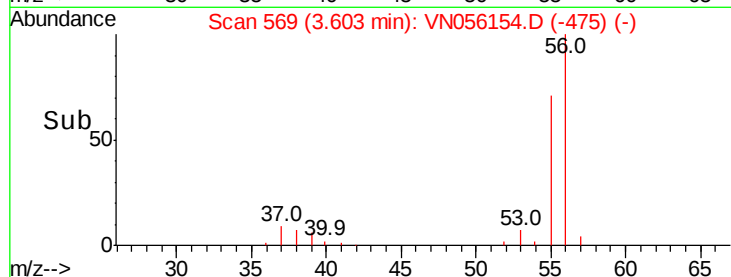
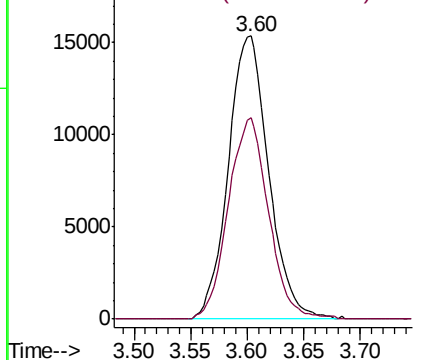
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 50.380 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

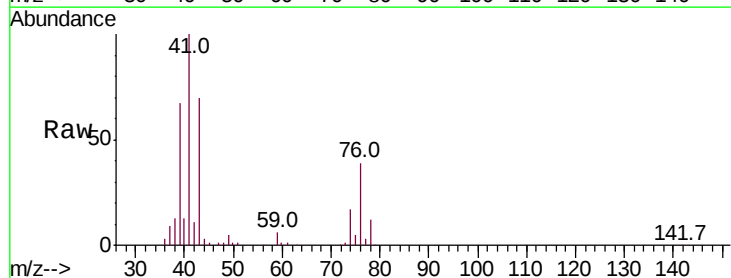
Tgt Ion: 41 Resp: 195904

Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

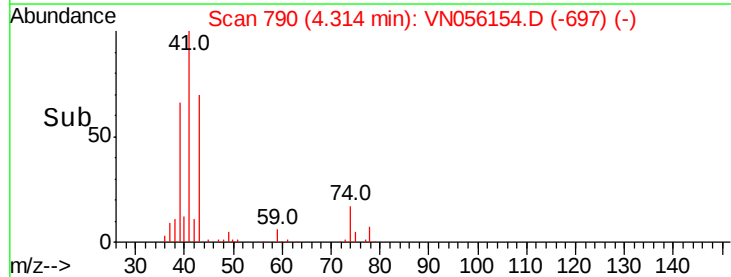
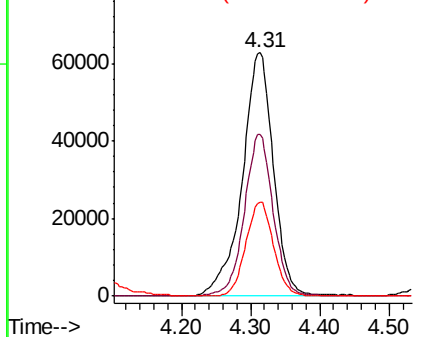
76 34.2 28.2 42.2

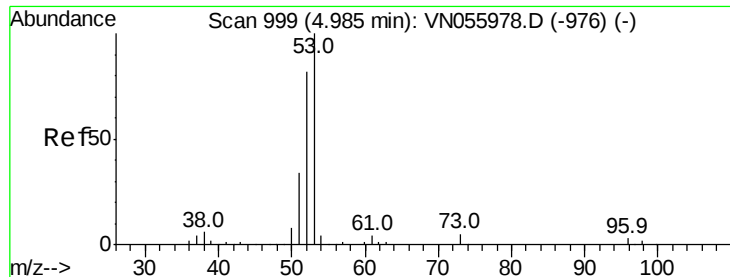


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 285.518 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

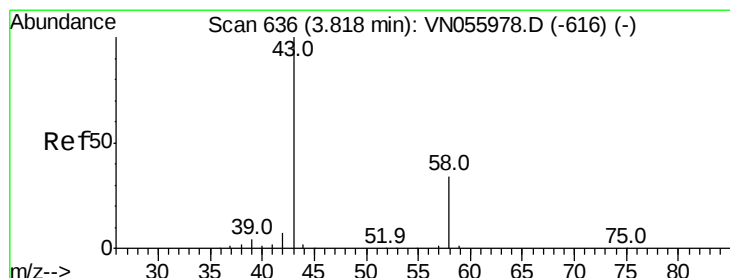
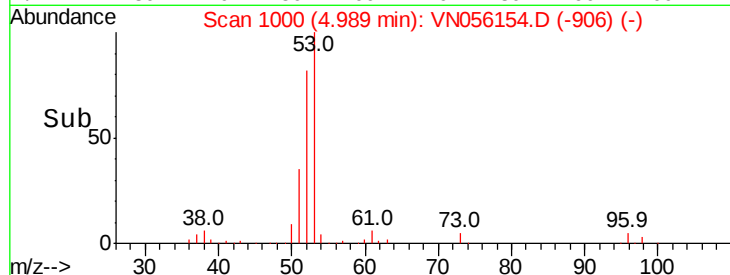
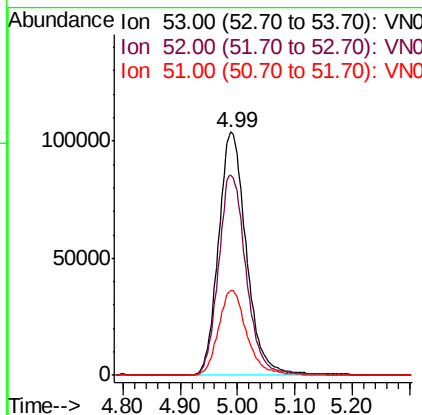
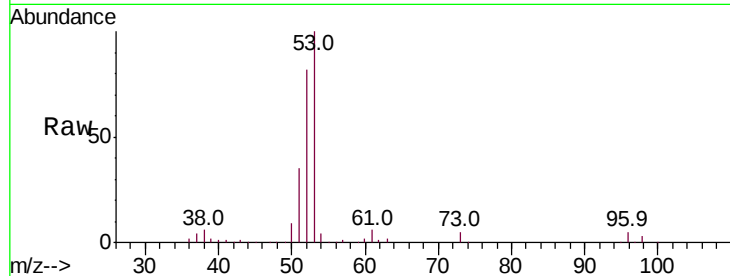
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	352290
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.8
51	35.5	28.2	42.4

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#16

Acetone

Concen: 314.836 ug/l

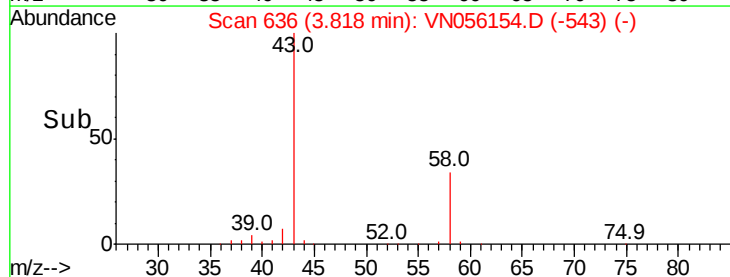
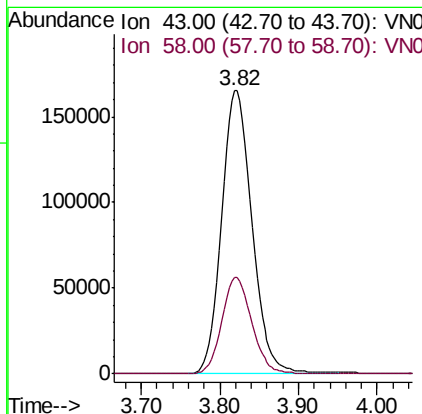
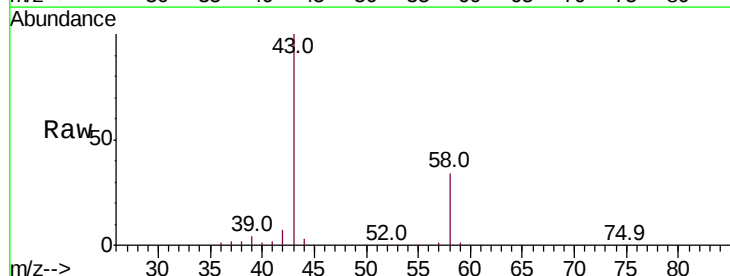
RT: 3.82 min Scan# 636

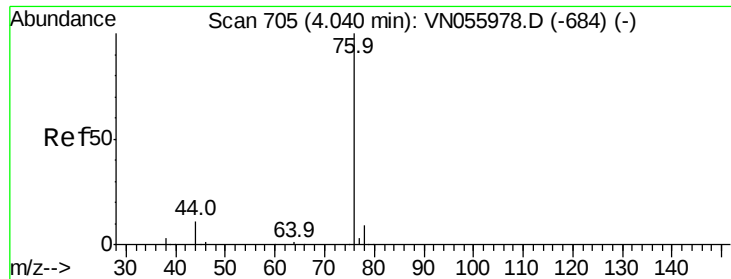
Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion:	43	Resp:	438580
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.6	39.8





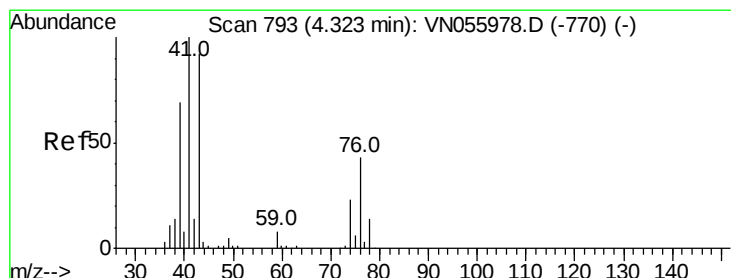
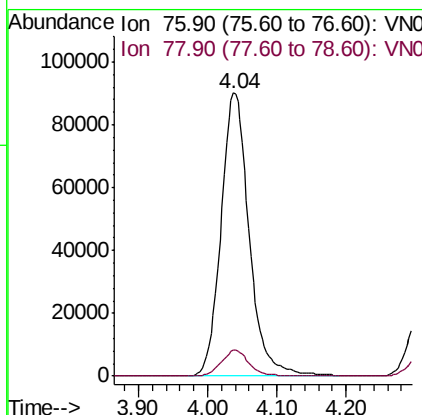
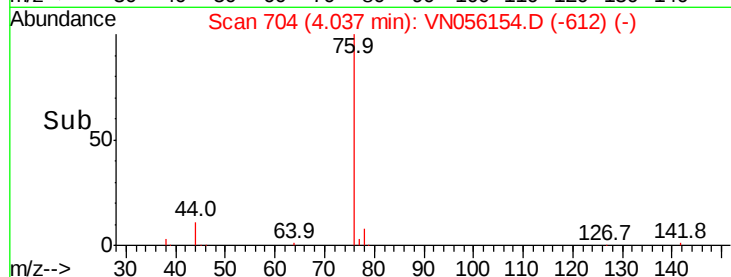
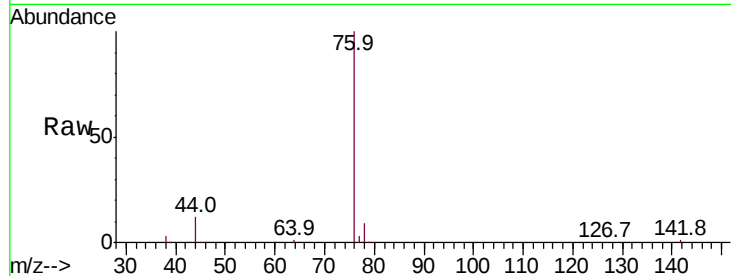
#17
Carbon Disulfide
Concen: 43.332 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 255500
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

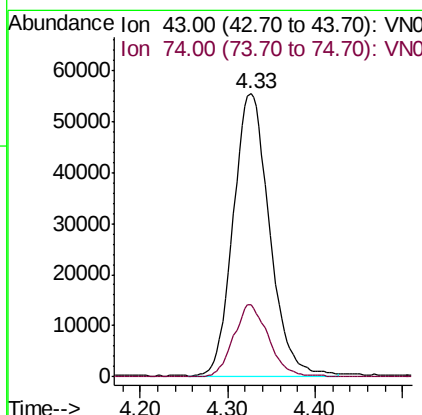
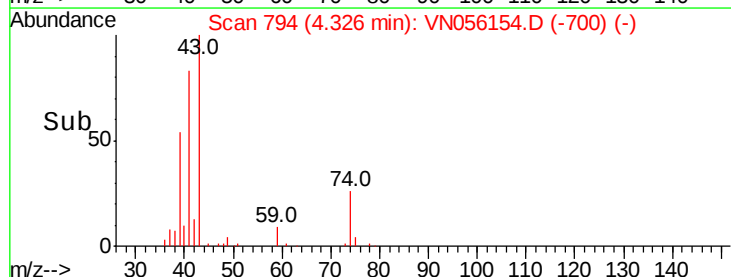
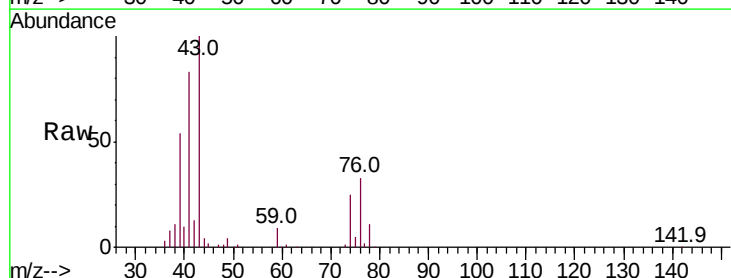
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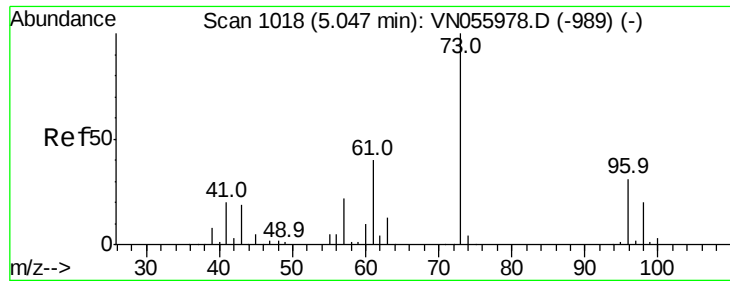
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6/10/2019 11:25:52 AM



#18
Methyl Acetate
Concen: 58.119 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 43 Resp: 158777
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9





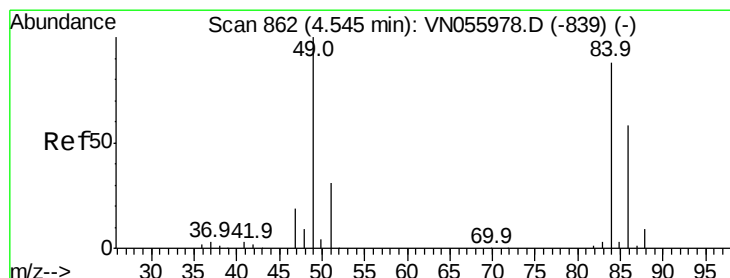
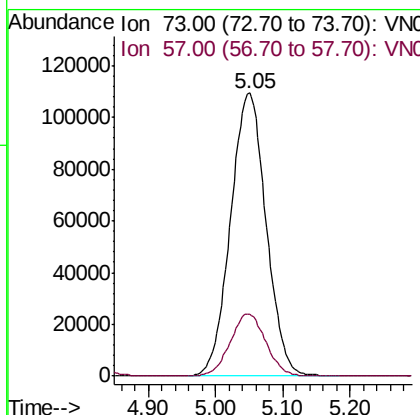
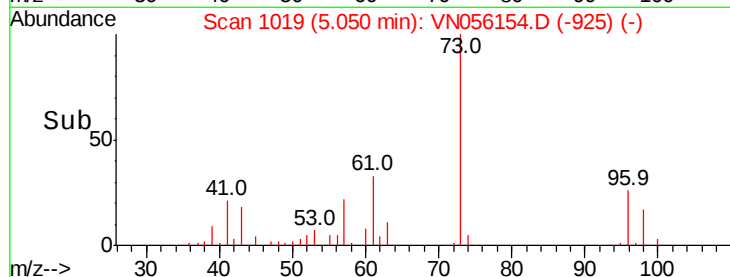
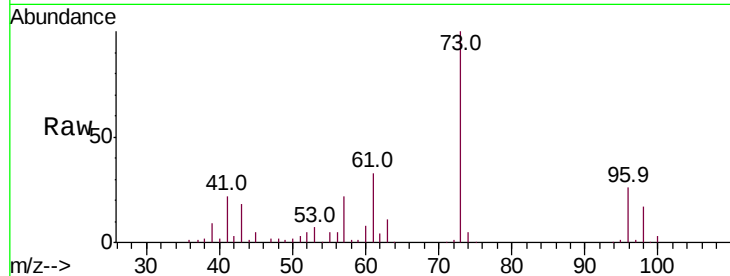
#19
Methvl tert-butvl Ether
Concen: 51.244 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 402248
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

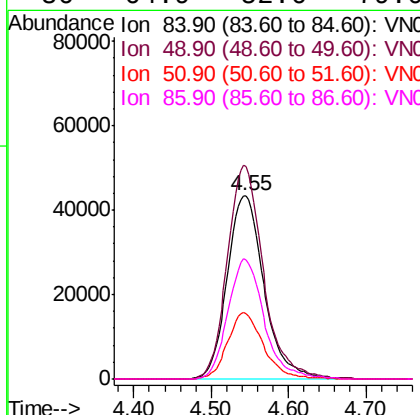
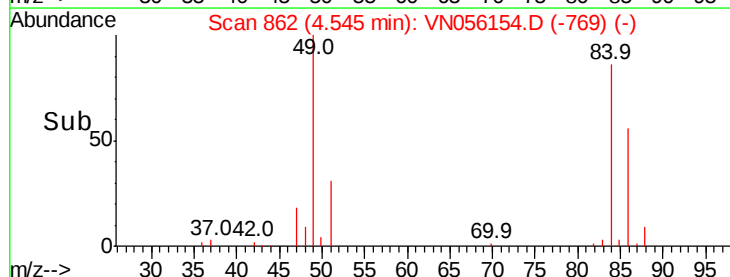
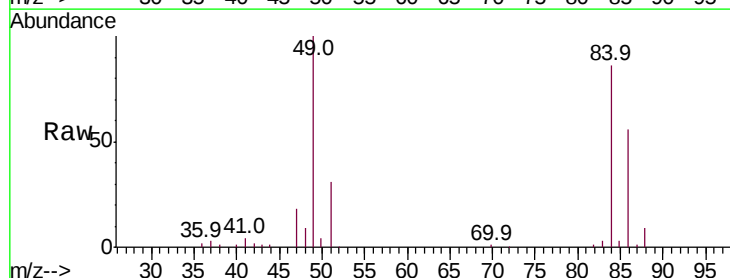
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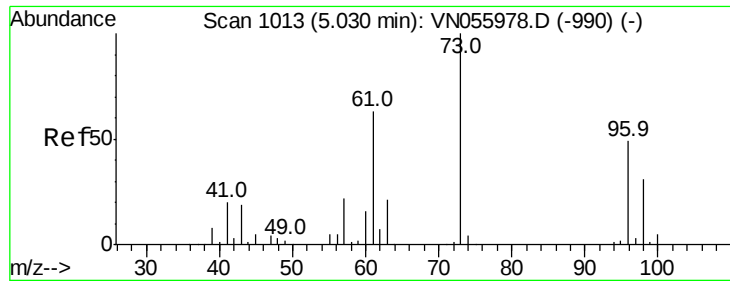
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6/10/2019 11:25:52 AM



#20
Methylene Chloride
Concen: 49.950 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 84 Resp: 143357
Ion Ratio Lower Upper
84 100
49 115.8 93.5 140.3
51 35.5 28.6 43.0
86 64.9 52.6 79.0





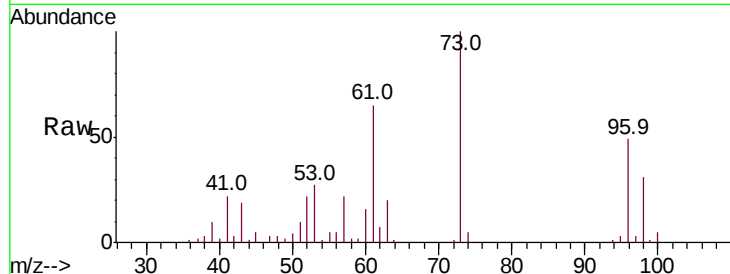
#21
trans-1,2-Dichloroethene
Concen: 49.817 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

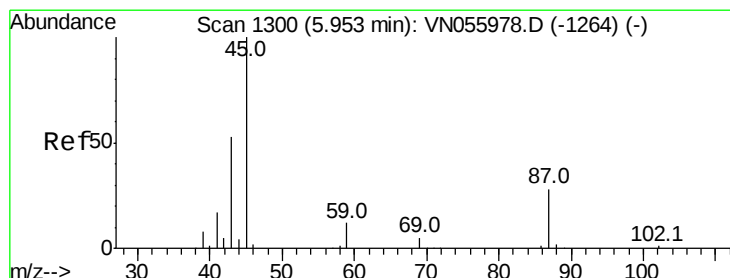
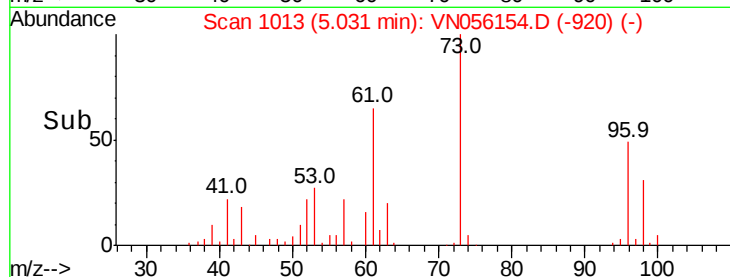
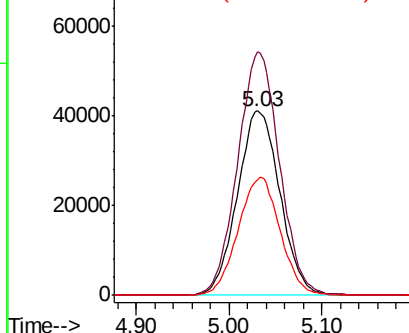
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	107.8	161.8
98	62.7	49.8	74.8

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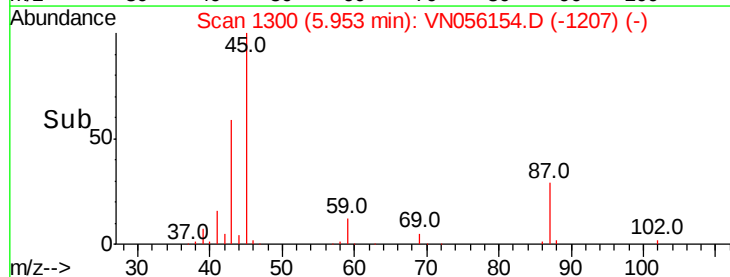
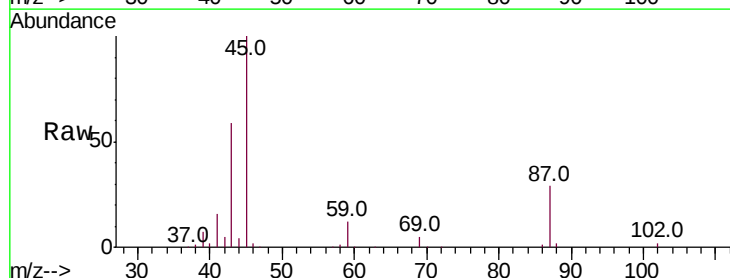
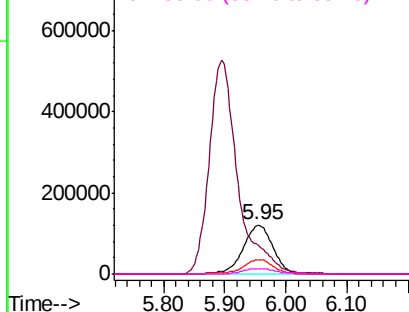
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

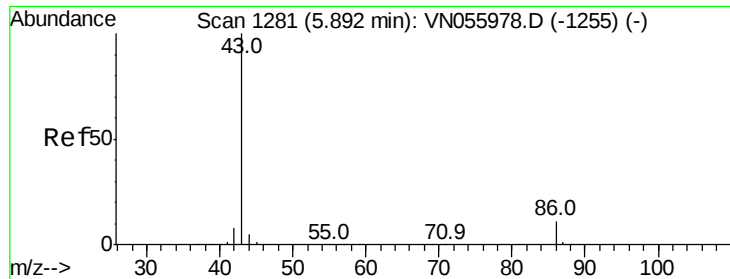


#22
Diisopropyl ether
Concen: 51.436 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	45.0	67.6
87	28.6	22.2	33.4
59	11.4	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 271.522 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1718768

Ion Ratio Lower Upper

43 100

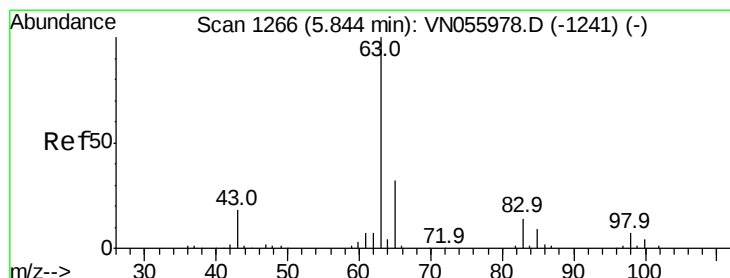
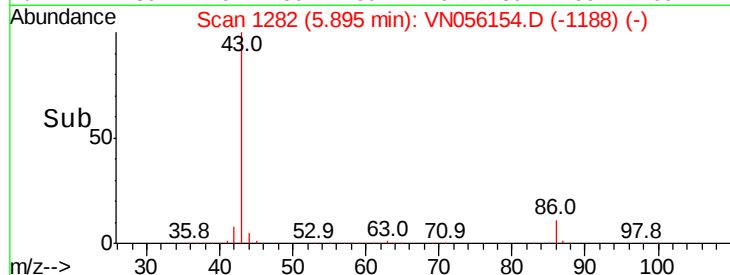
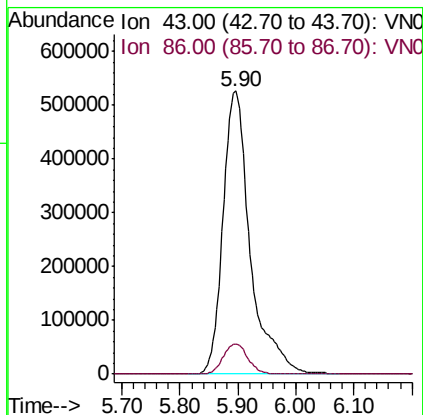
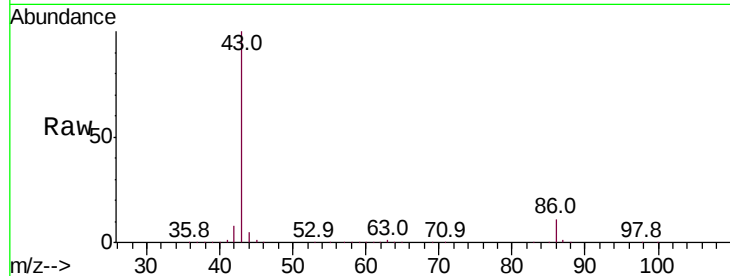
86 10.8 8.6 13.0

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6/10/2019 11:25:52 AM



#24

1,1-Dichloroethane

Concen: 50.819 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

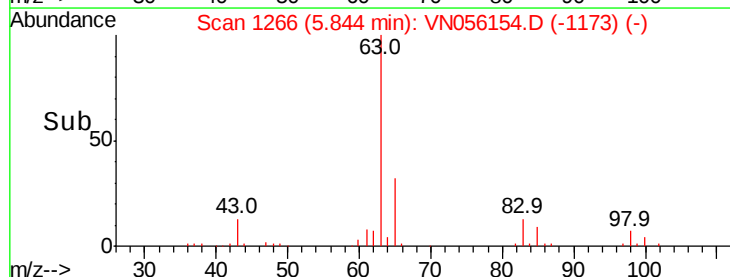
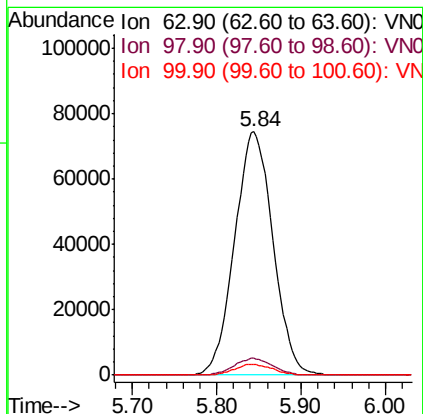
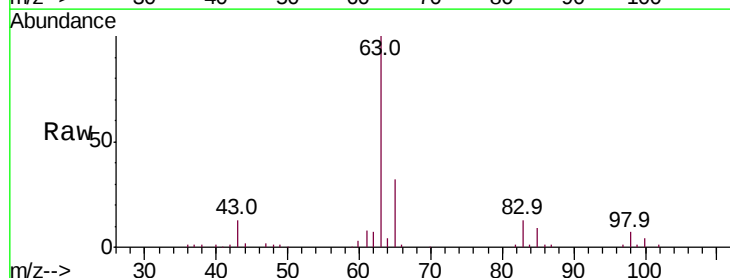
Tgt Ion: 63 Resp: 235634

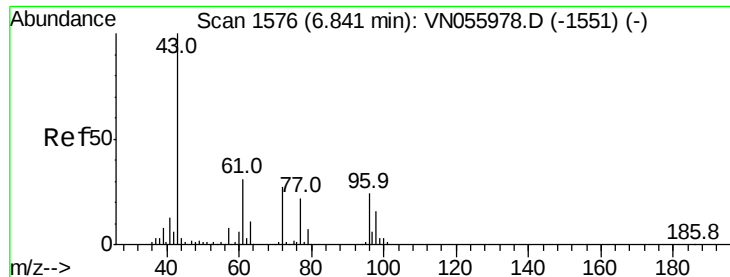
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 307.120 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 540551

Ion Ratio Lower Upper

43 100

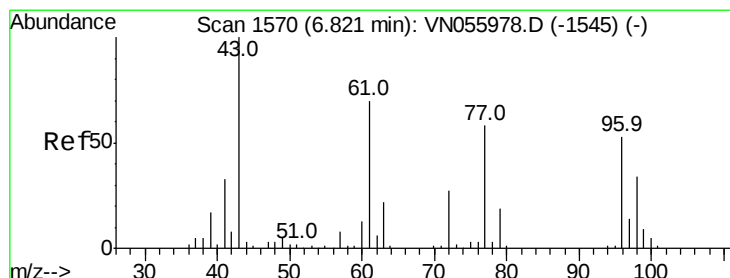
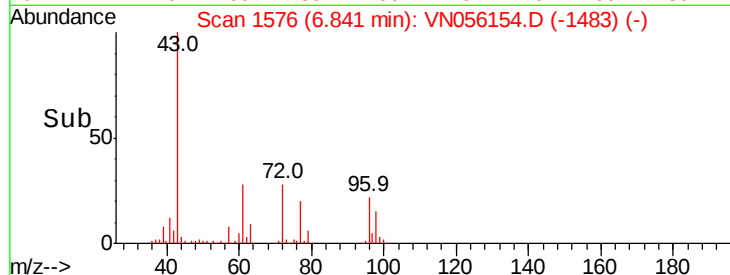
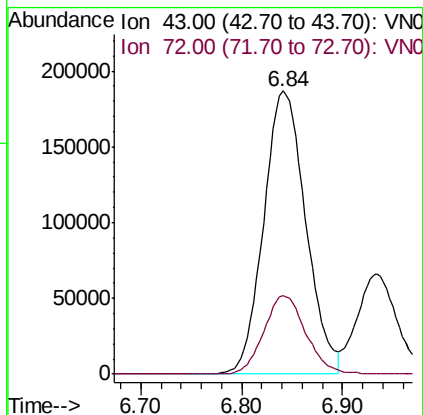
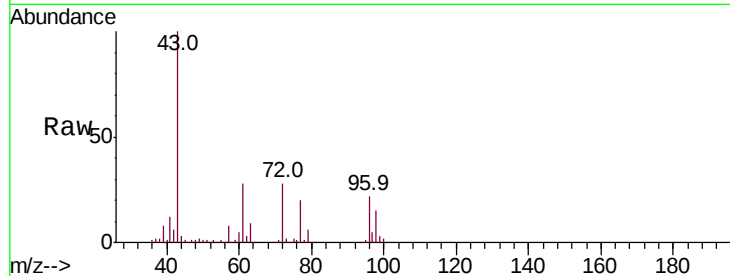
72 27.7 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 47.506 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056154.D

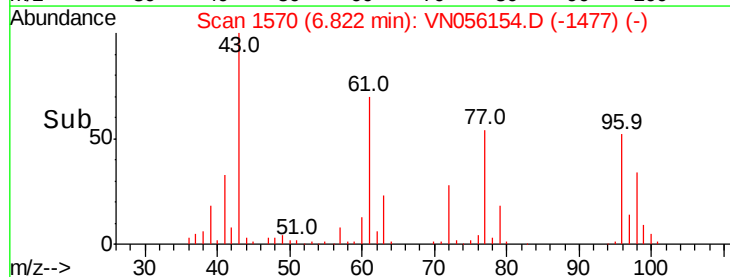
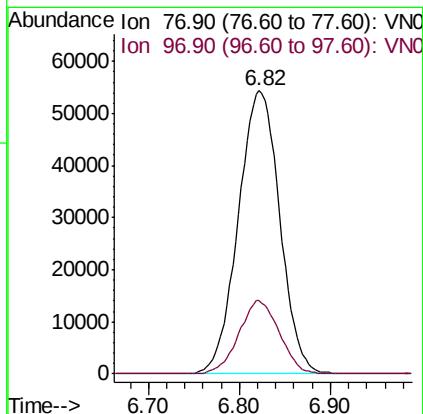
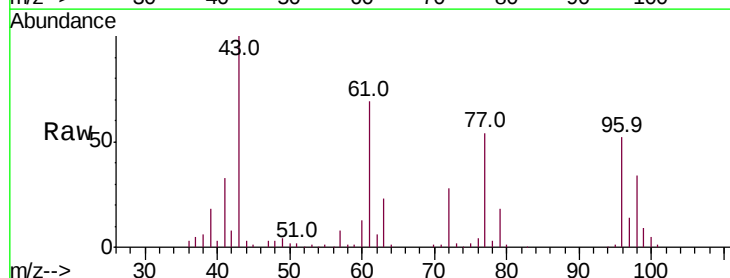
Acq: 8 Jun 2019 15:23

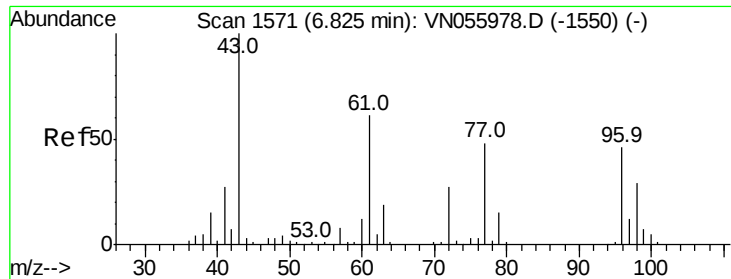
Tgt Ion: 77 Resp: 171882

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.997 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

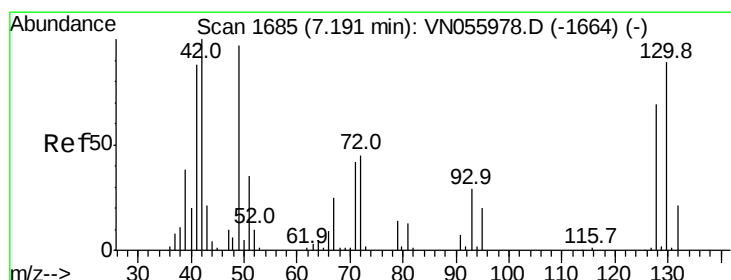
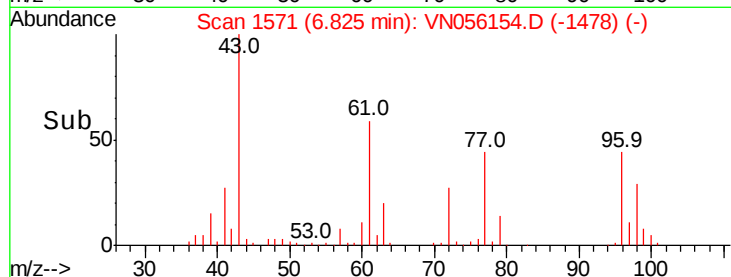
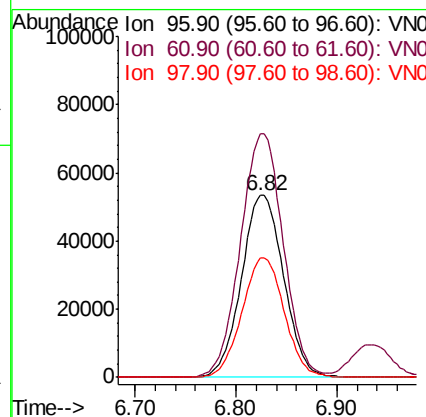
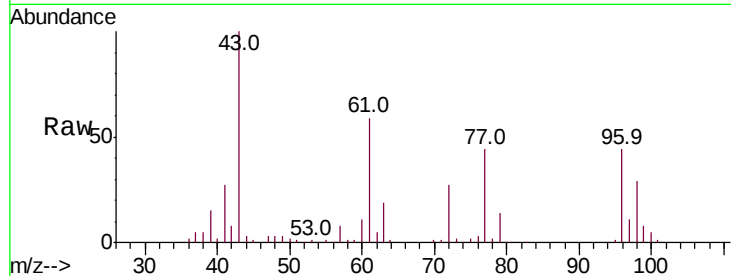
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	155070
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	275.8
98	65.5	0.0	128.4

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#28

Bromochloromethane

Concen: 51.855 ug/l

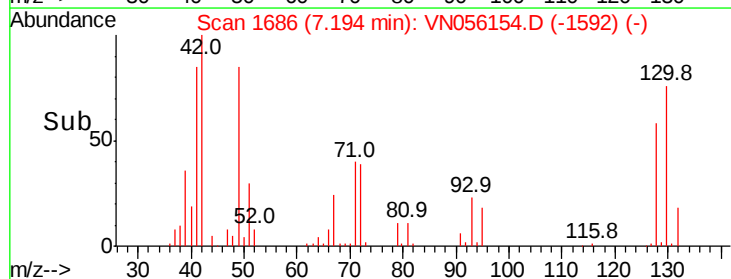
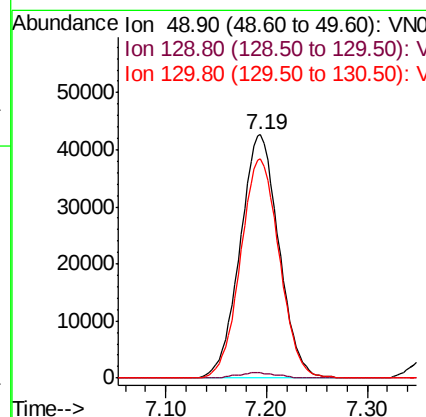
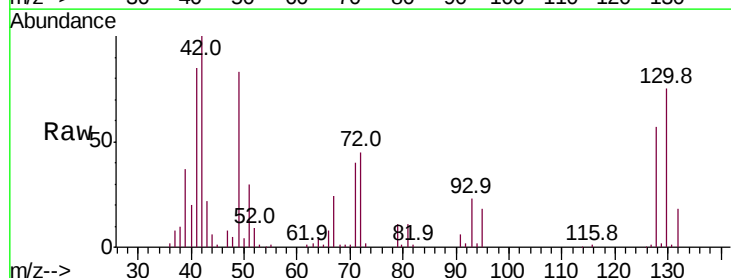
RT: 7.19 min Scan# 1686

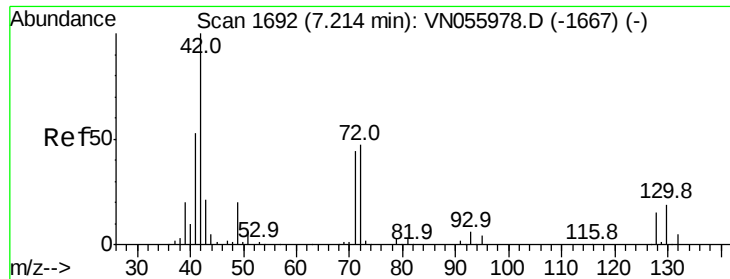
Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion:	49	Resp:	113704
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	90.0	71.2	106.8





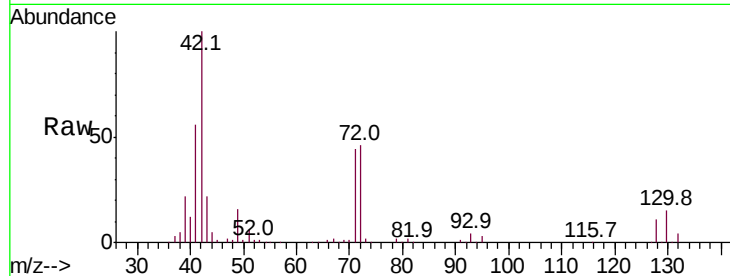
#29
Tetrahydrofuran
Concen: 277.848 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.9	53.9
71	42.5	34.0	51.0

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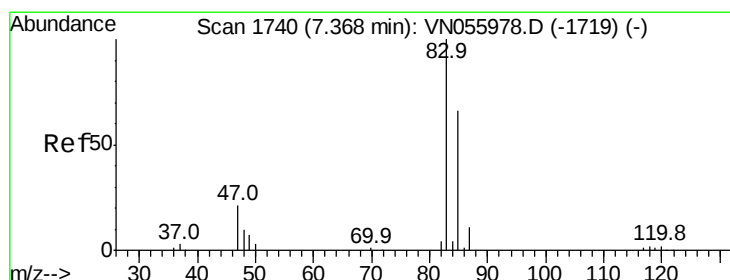
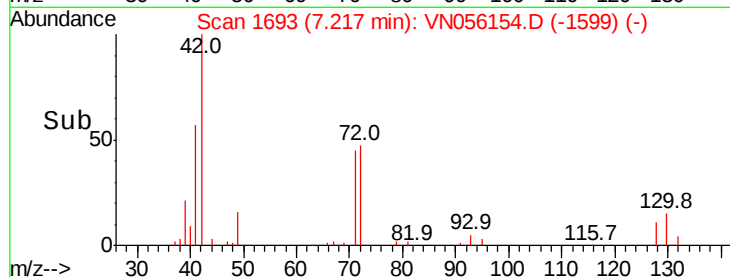
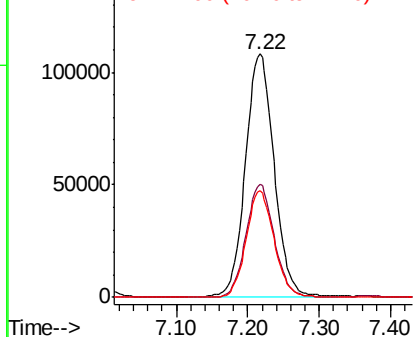


Abundance

Ion 42.00 (41.70 to 42.70): VNC

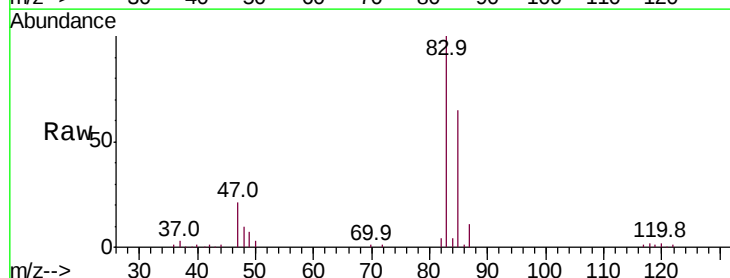
Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC



#30
Chloroform
Concen: 51.443 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

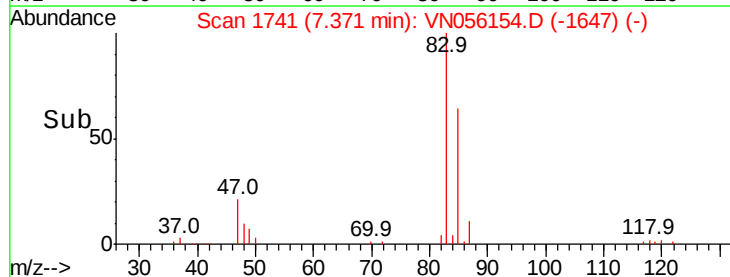
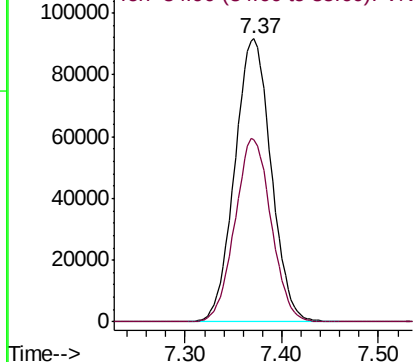
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8

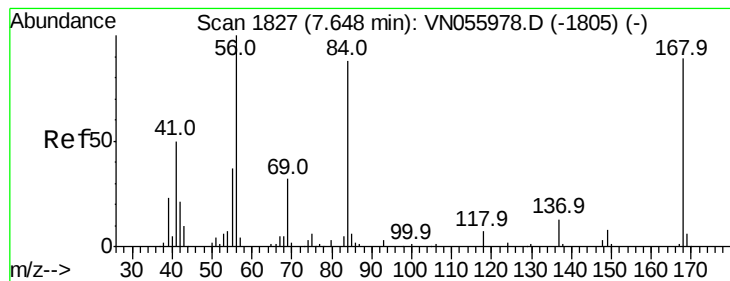


Abundance

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC





#31

Cyclohexane

Concen: 46.595 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 215355

Ion Ratio Lower Upper

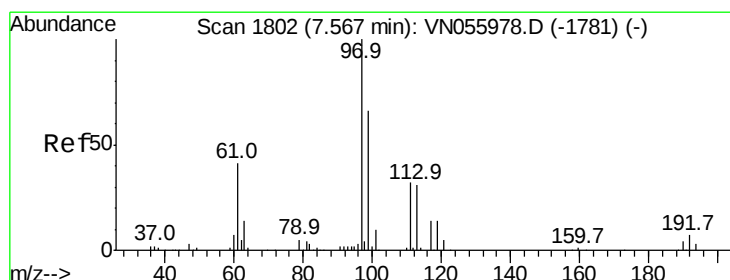
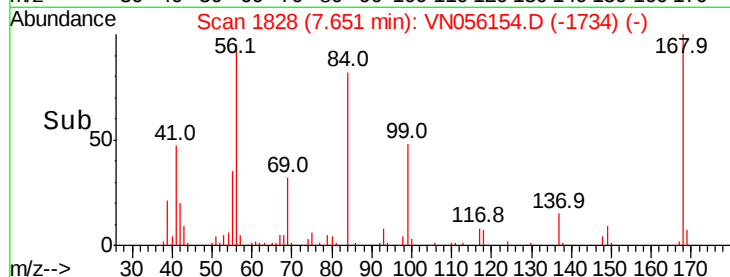
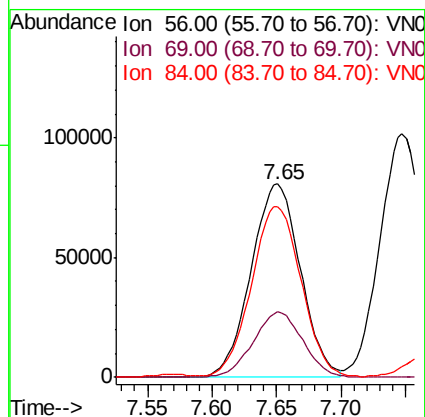
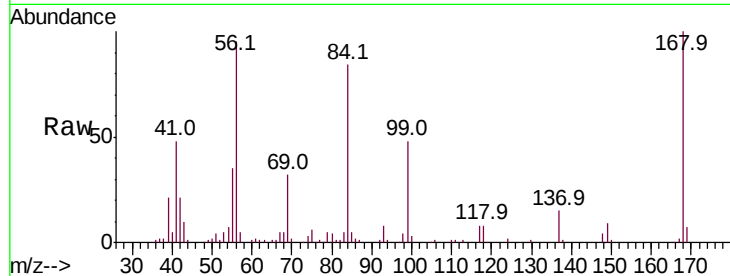
56 100

69 33.7 25.6 38.4

84 87.6 67.4 101.0

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#32

1,1,1-Trichloroethane

Concen: 50.624 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

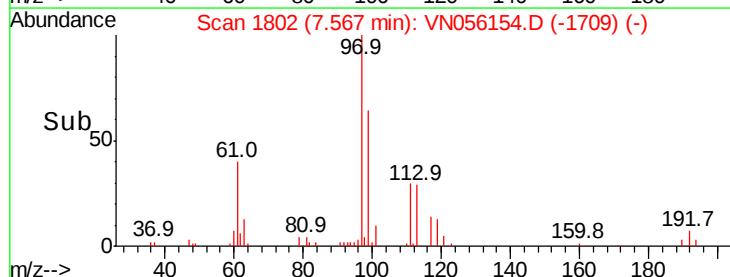
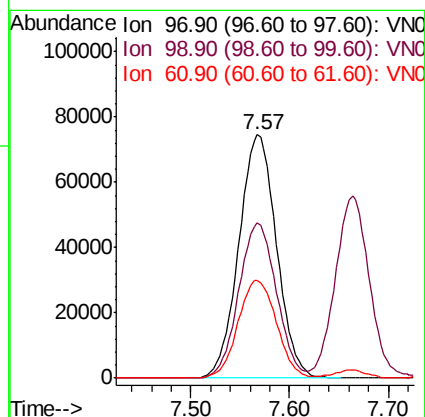
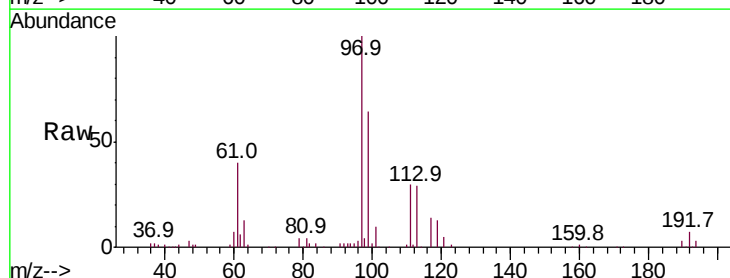
Tgt Ion: 97 Resp: 197184

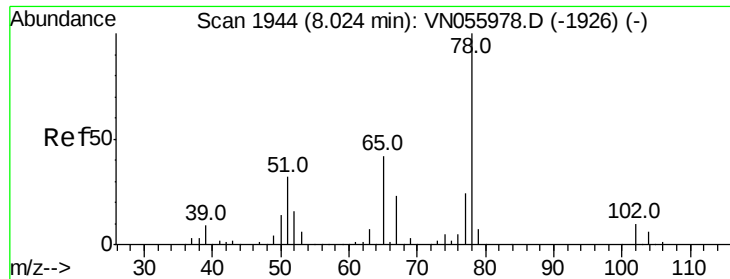
Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

61 41.0 32.9 49.3





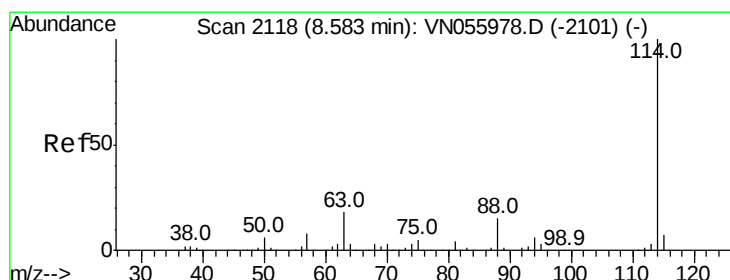
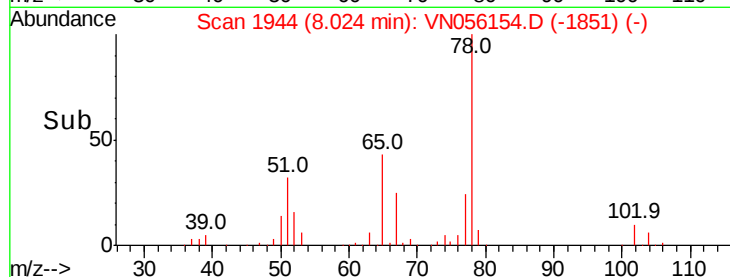
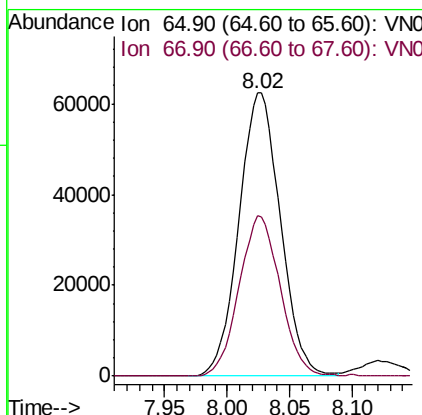
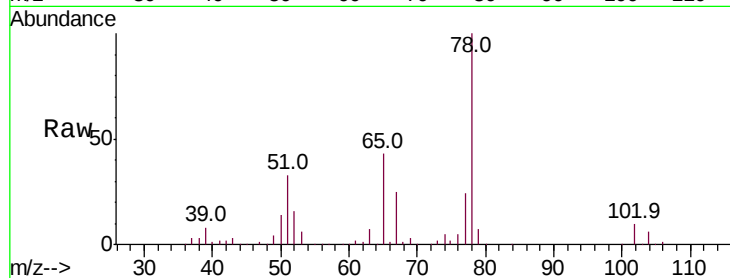
#33
 1,2-Dichloroethane-d4
 Concen: 49.348 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143735		
67	56.1	0.0	109.2	

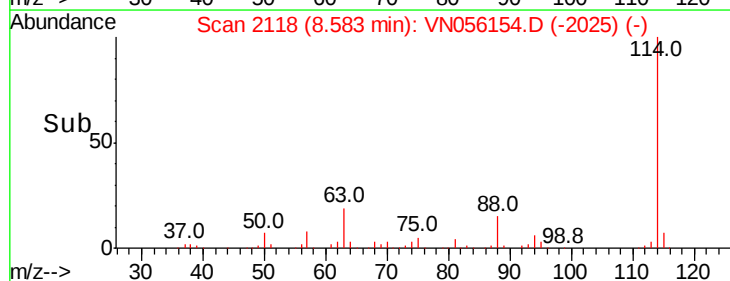
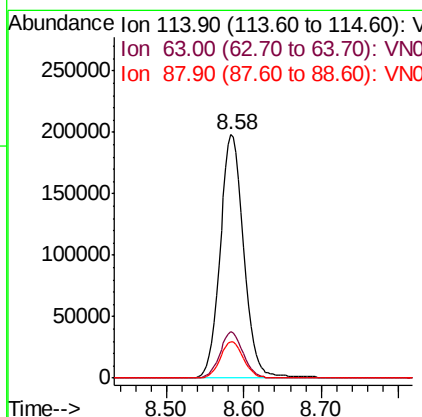
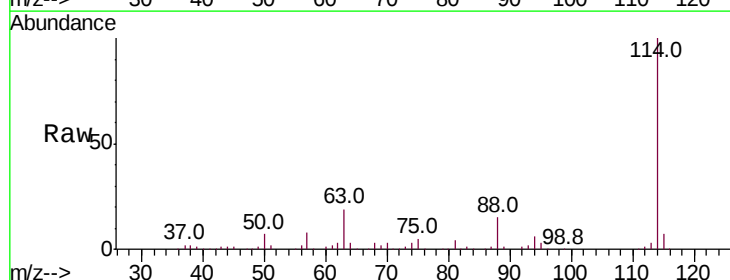
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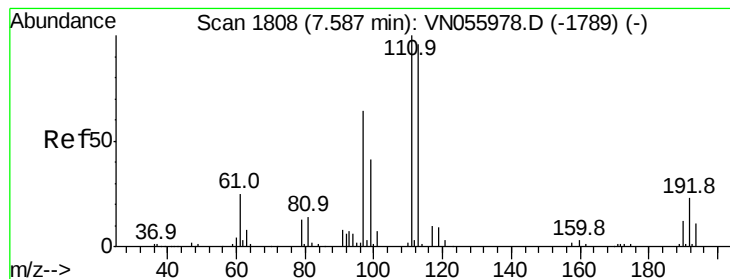
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422063		
63	19.0	0.0	39.2	
88	14.8	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.270 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

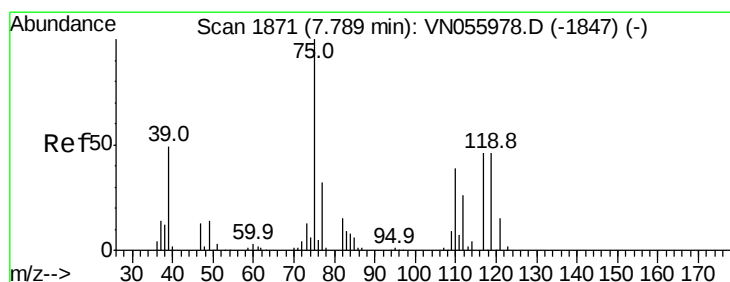
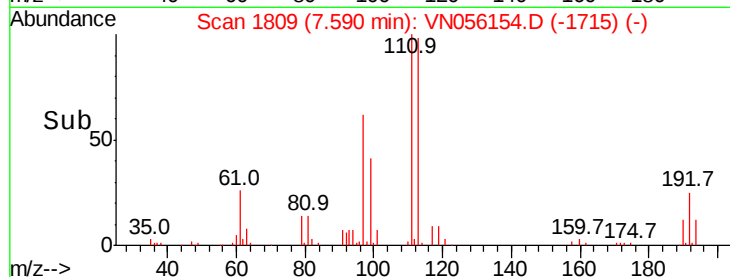
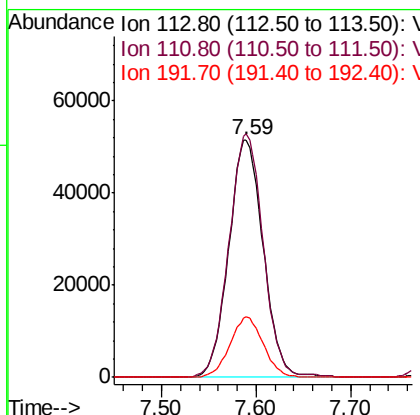
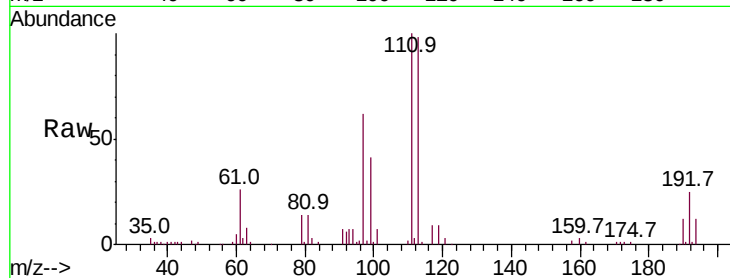
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	130174
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.9	122.9
192	24.5	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 48.043 ug/l

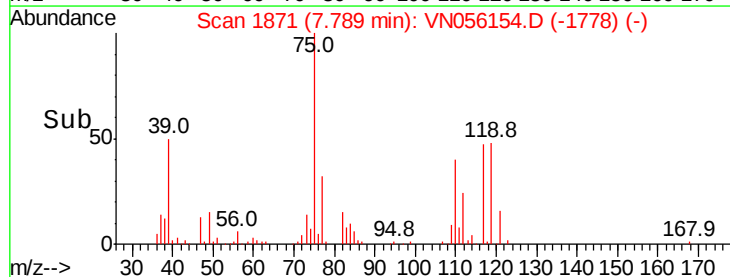
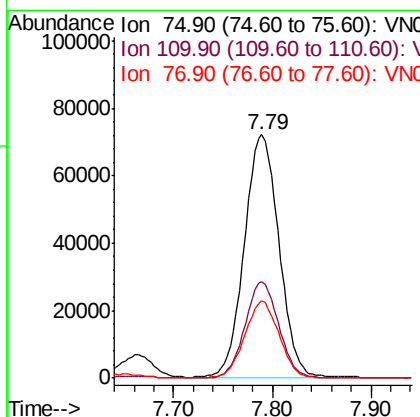
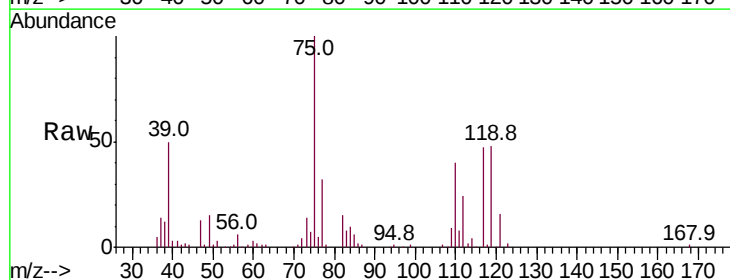
RT: 7.79 min Scan# 1871

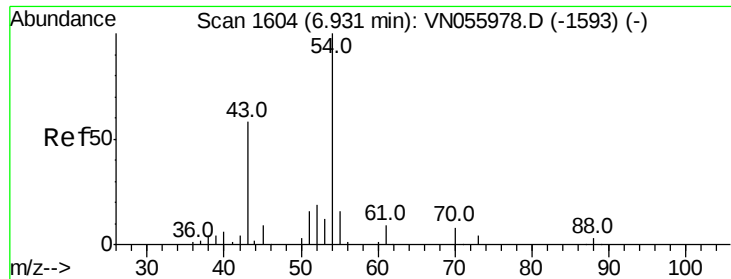
Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion:	75	Resp:	174354
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.0	57.0
77	31.7	25.1	37.7





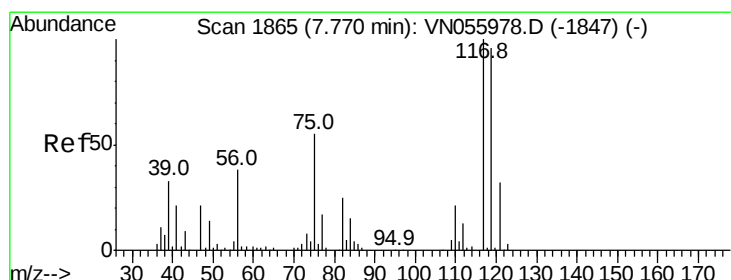
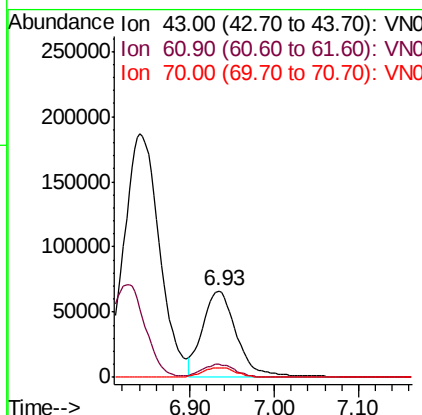
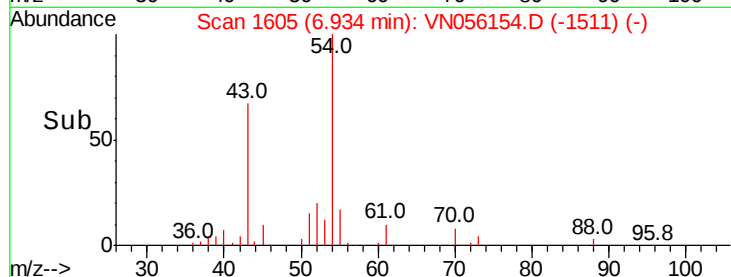
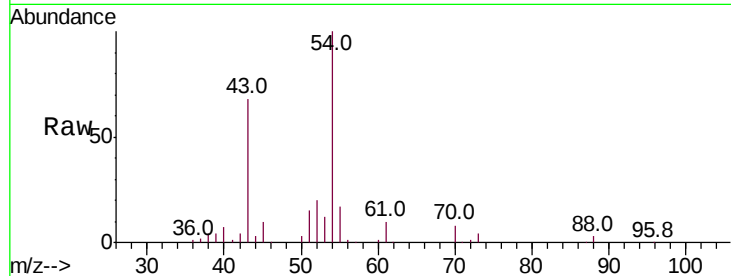
#37
Ethyl Acetate
Concen: 56.968 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	11.3	8.9	13.3

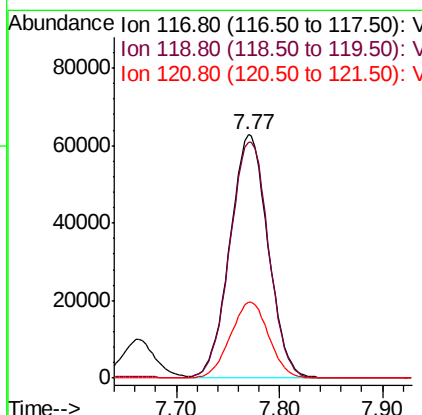
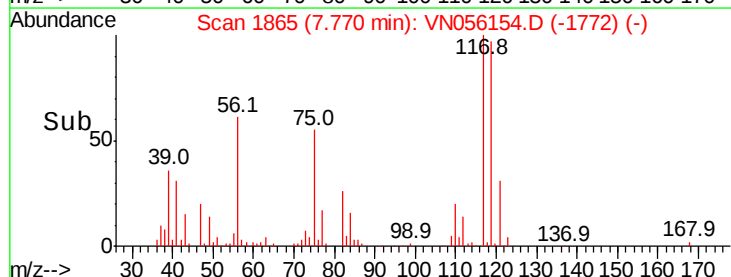
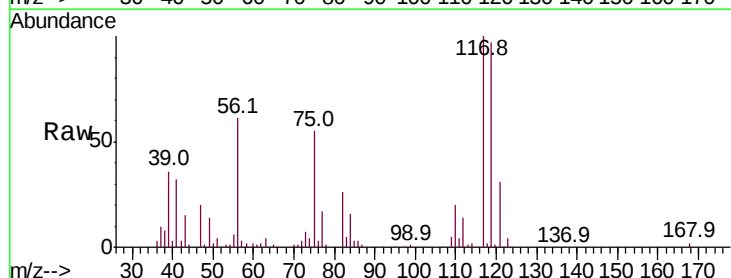
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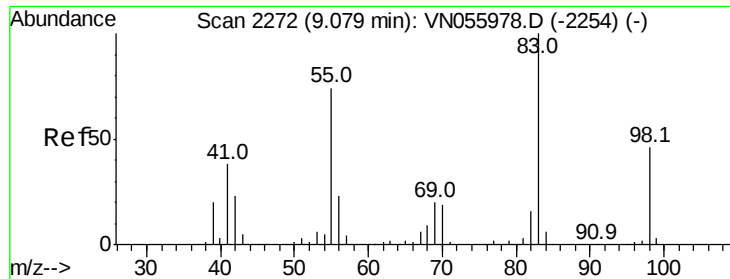
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#38
Carbon Tetrachloride
Concen: 48.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.6
121	31.2	24.7	37.1





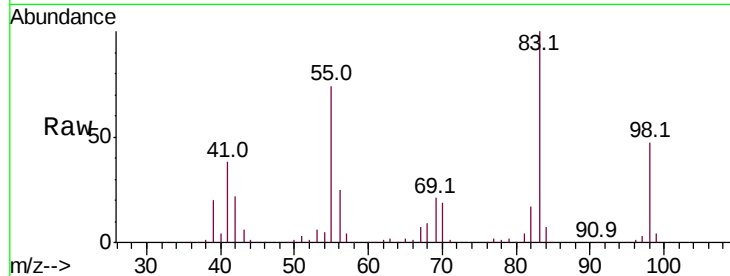
#39
Methvlcvclohexane
Concen: 48.465 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

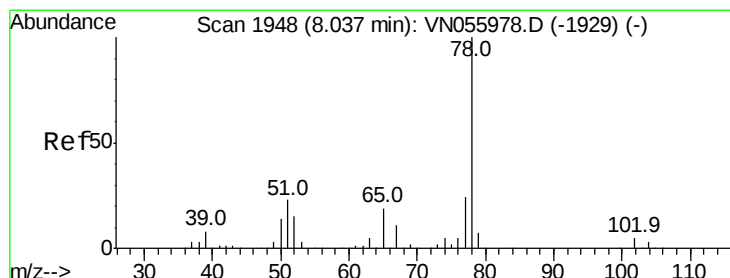
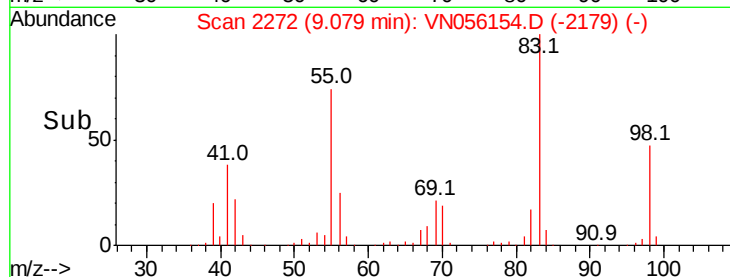
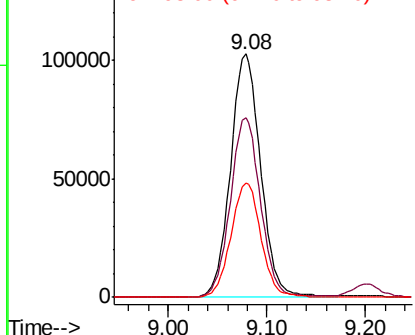
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.3	88.9
98	46.9	36.6	54.8

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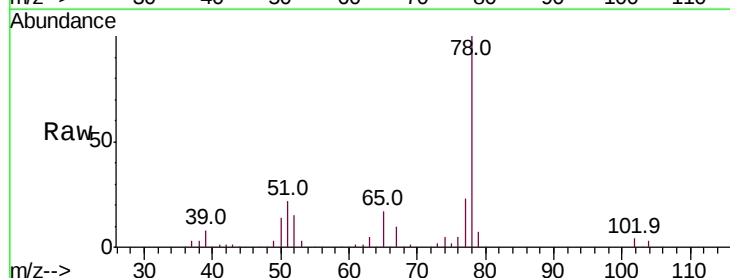


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

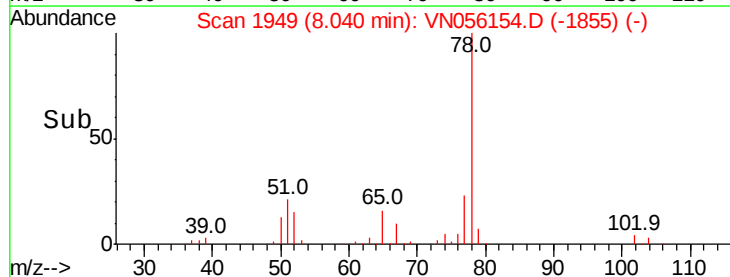
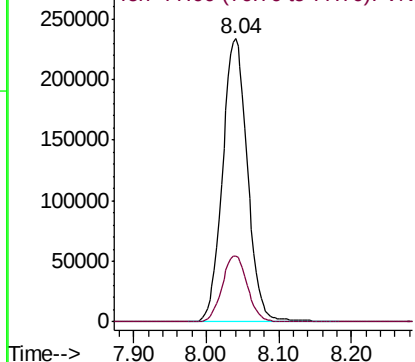


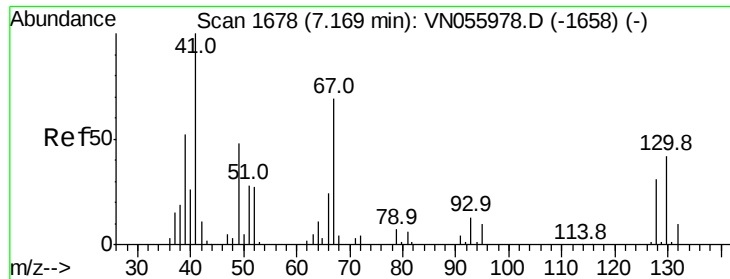
#40
Benzene
Concen: 50.612 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





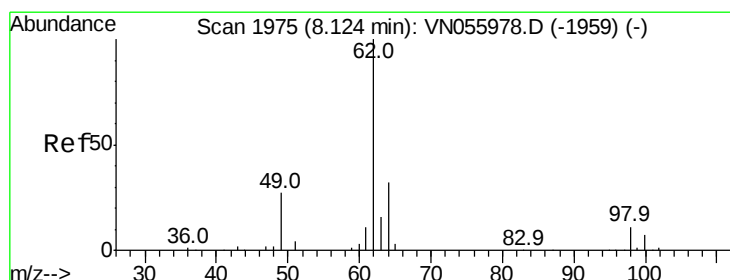
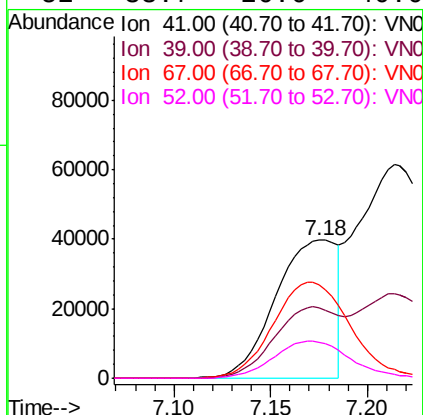
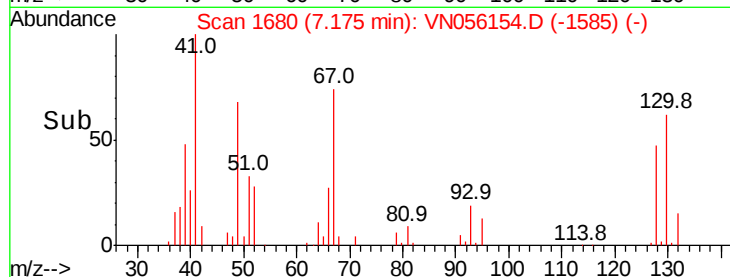
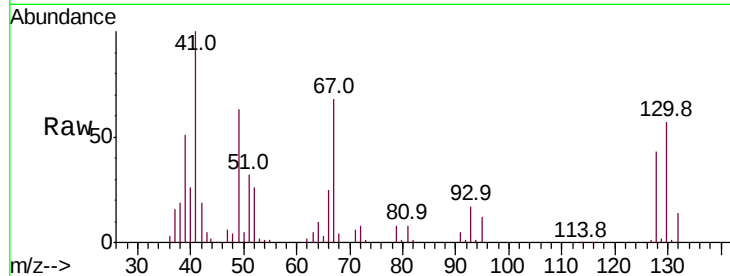
#41
Methacrylonitrile
Concen: 59.264 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	45.6	68.4
67	87.3	67.7	101.5
52	33.7	26.6	40.0

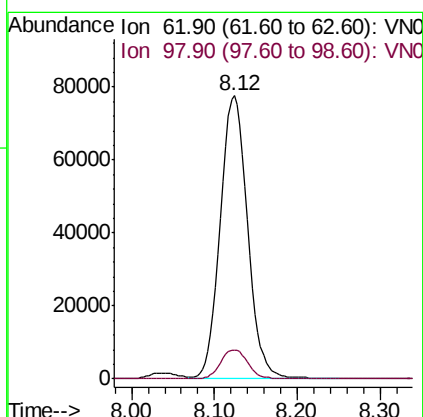
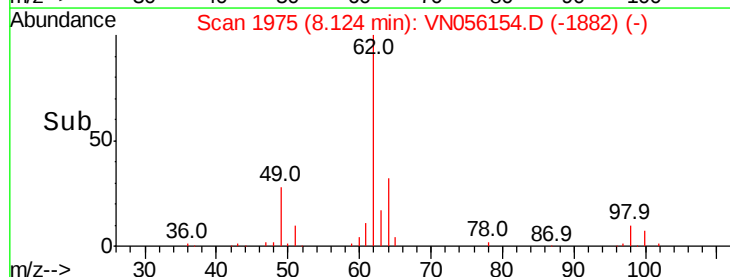
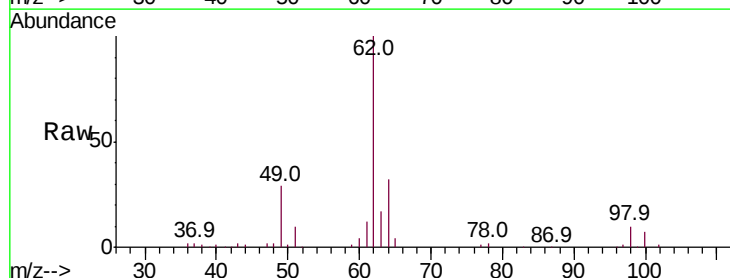
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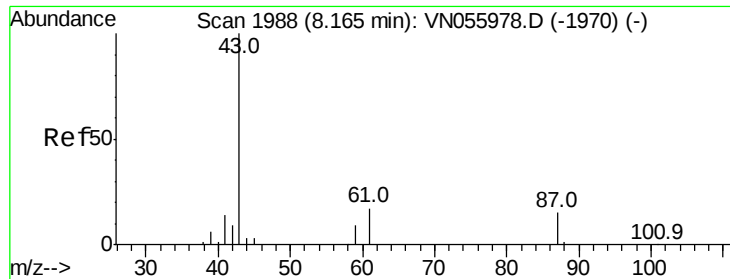
MMDadoda
6/10/2019 11:25:52 AM



#42
1,2-Dichloroethane
Concen: 50.026 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 53.736 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 281178

Ion Ratio Lower Upper

43 100

61 22.0 22.2 33.4#

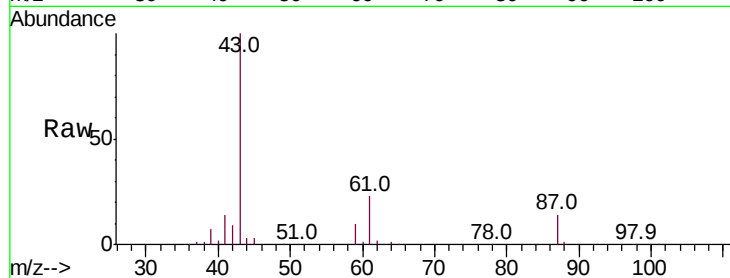
87 14.3 11.4 17.2

Manual Integrations

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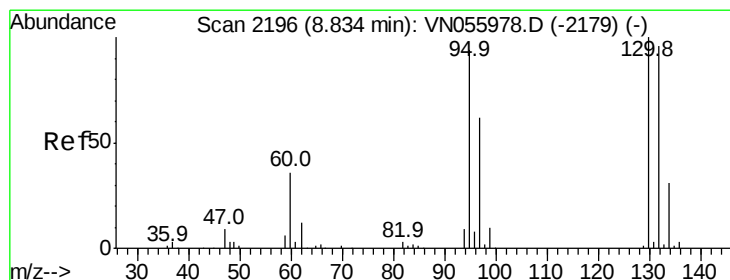
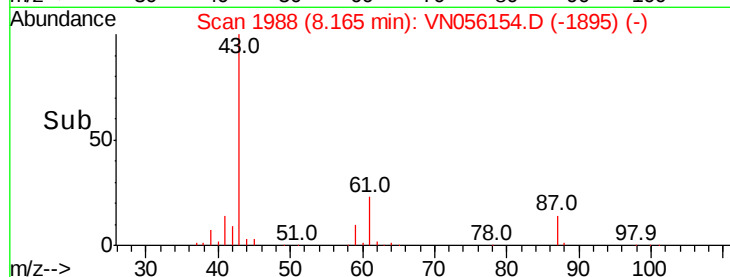
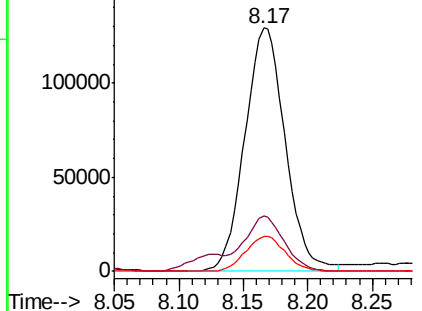
6/10/2019 11:25:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 49.267 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056154.D

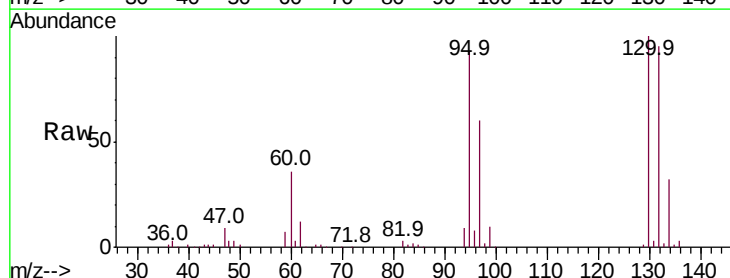
Acq: 8 Jun 2019 15:23

Tgt Ion:130 Resp: 156045

Ion Ratio Lower Upper

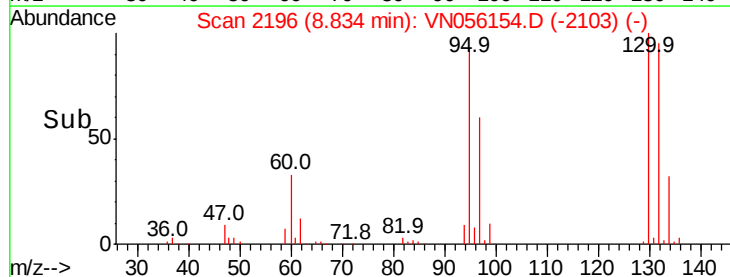
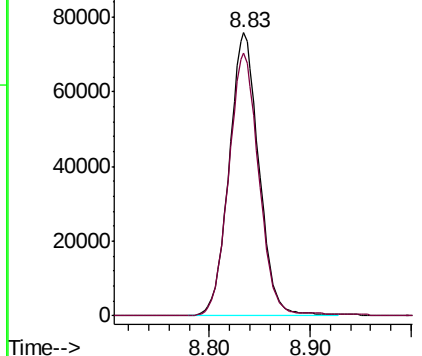
130 100

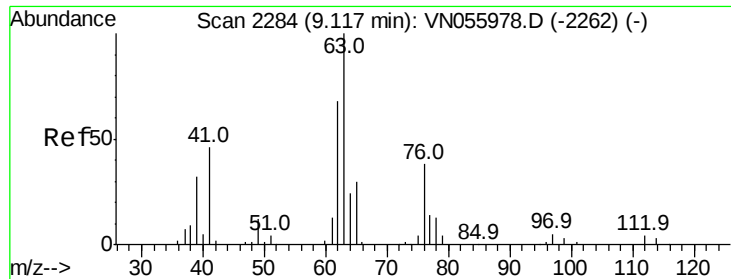
95 92.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





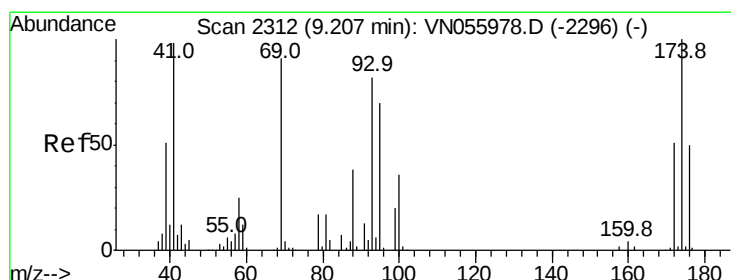
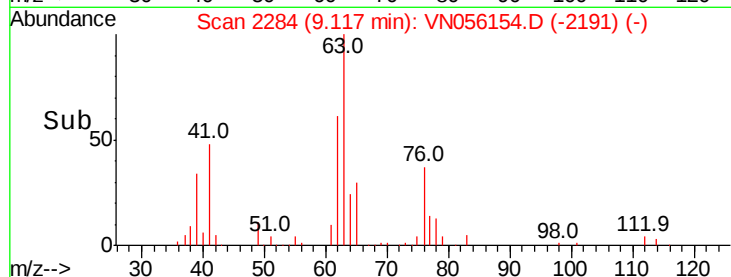
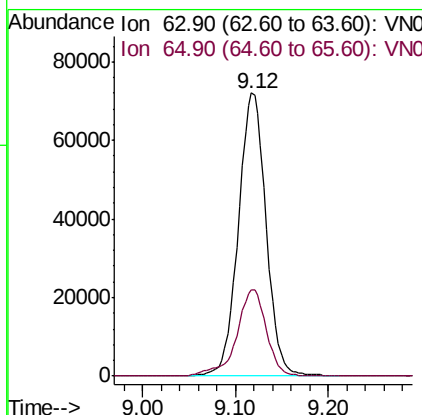
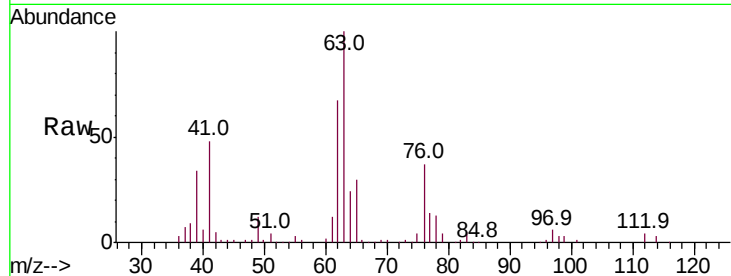
#45
 1,2-Dichloropropane
 Concen: 52.847 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 149204
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8

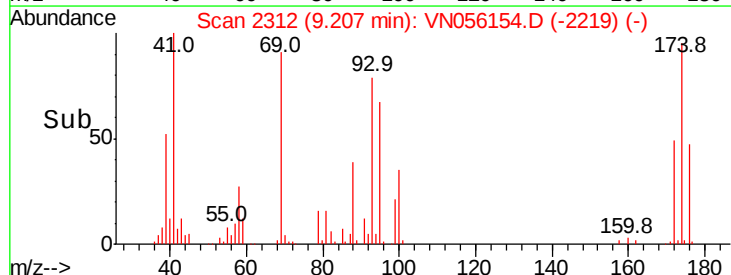
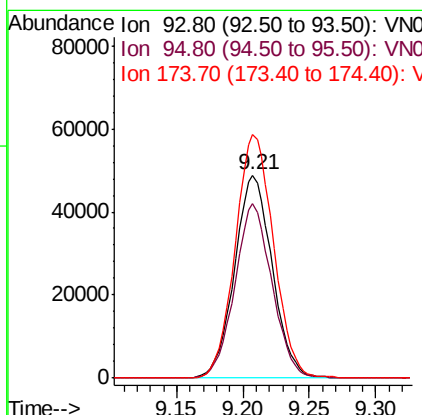
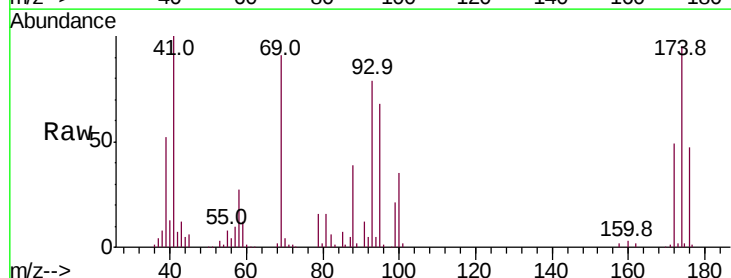
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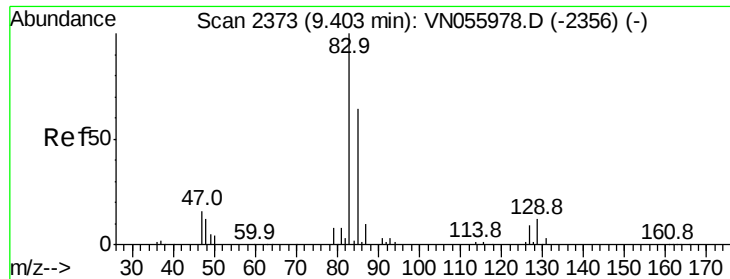
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 6/10/2019 11:25:52 AM



#46
 Dibromomethane
 Concen: 52.222 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 93 Resp: 96416
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.7 100.1
 174 122.2 96.4 144.6





#47

Bromodichloromethane

Concen: 51.629 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

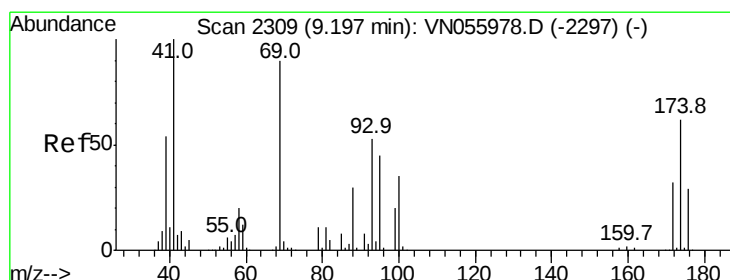
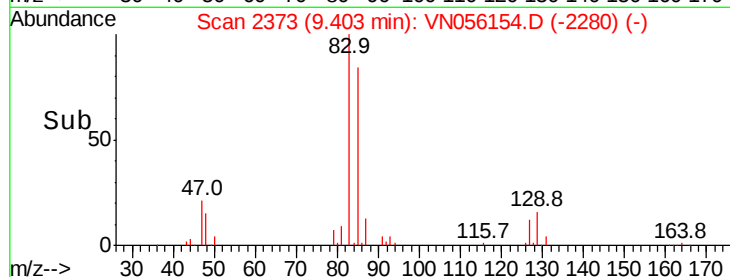
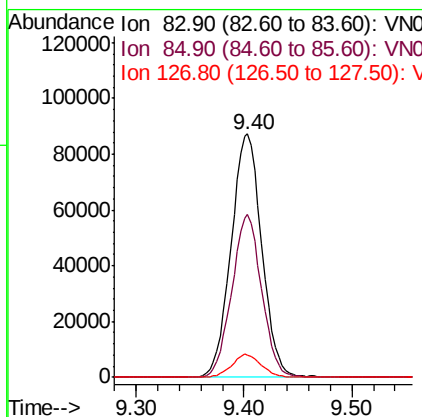
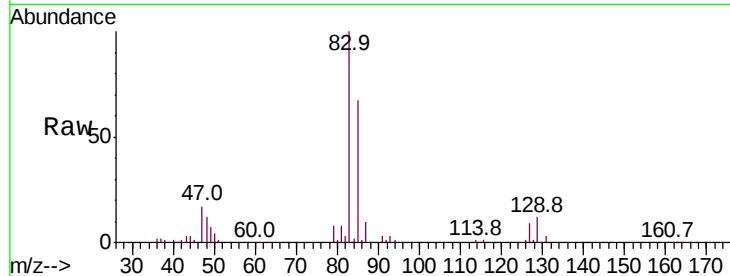
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172760
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.2	78.2
127	9.3	7.4	11.0

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MMDadoda
6/10/2019 11:25:52 AM



#48

Methyl methacrylate

Concen: 54.971 ug/l

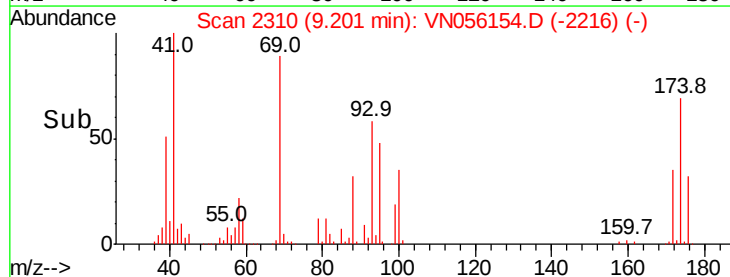
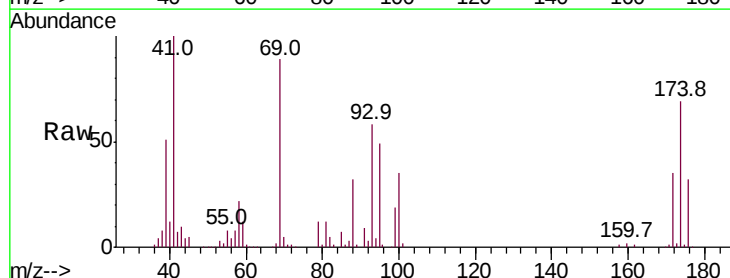
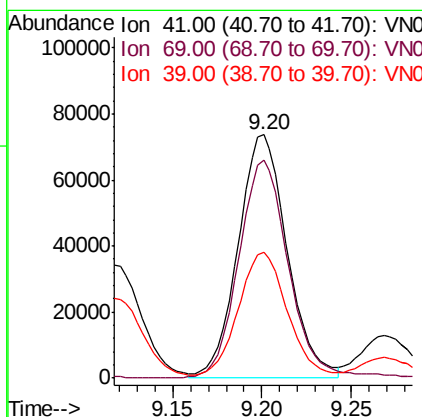
RT: 9.20 min Scan# 2310

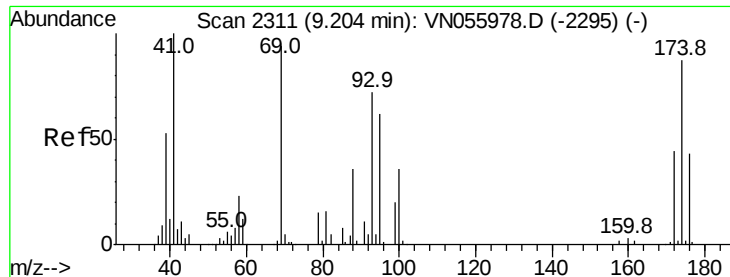
Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion:	41	Resp:	140721
Ion	Ratio	Lower	Upper
41	100		
69	91.0	71.0	106.6
39	52.0	44.2	66.2





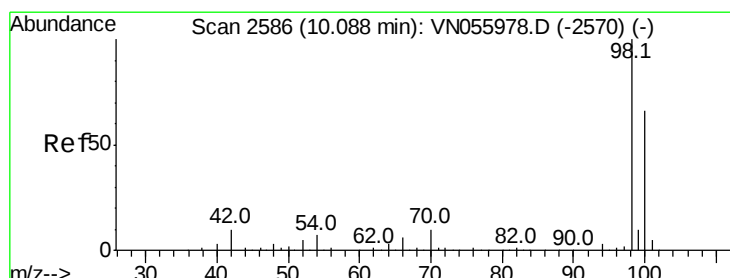
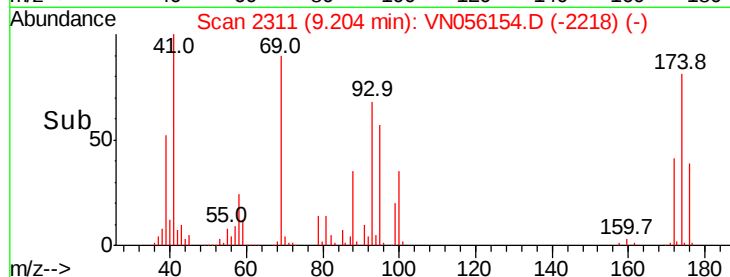
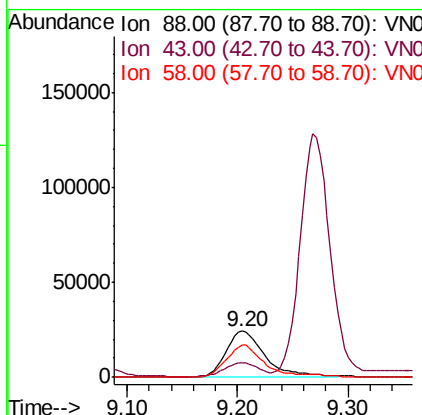
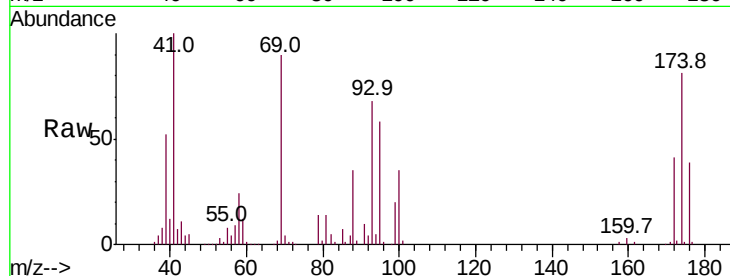
#49
1,4-Dioxane
Concen: 1099.736 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 60778
Ion Ratio Lower Upper
88 100
43 25.7 20.5 30.7
58 70.0 55.8 83.6

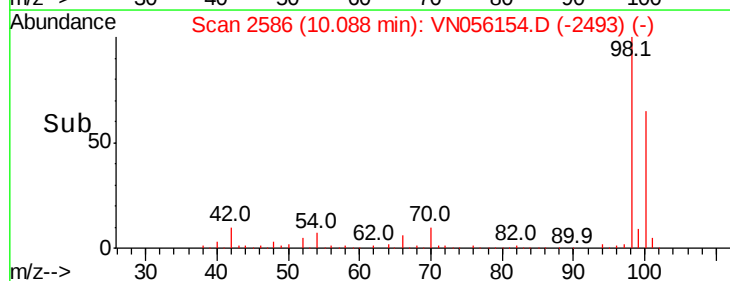
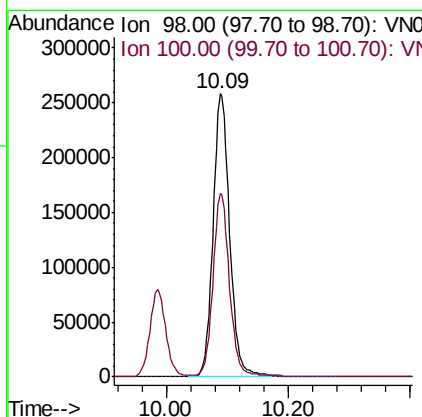
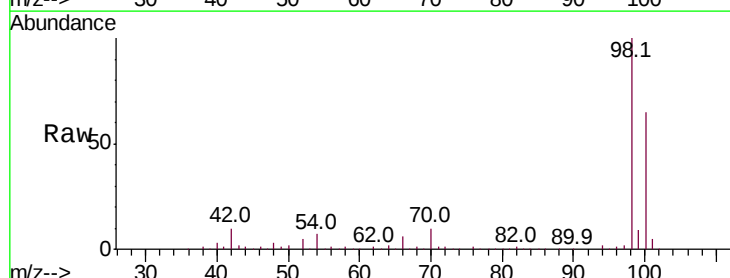
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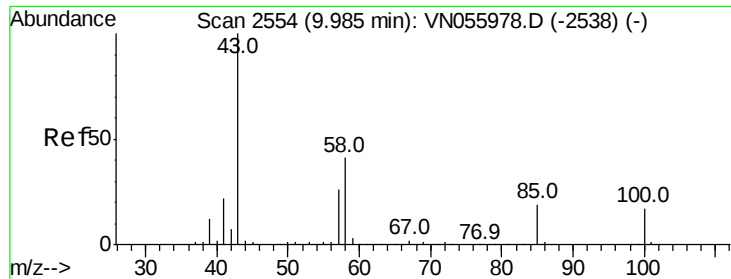
MMDadoda
6/10/2019 11:25:52 AM



#50
Toluene-d8
Concen: 49.414 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 98 Resp: 492384
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 279.038 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tot Ion: 43 Resp: 913070

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

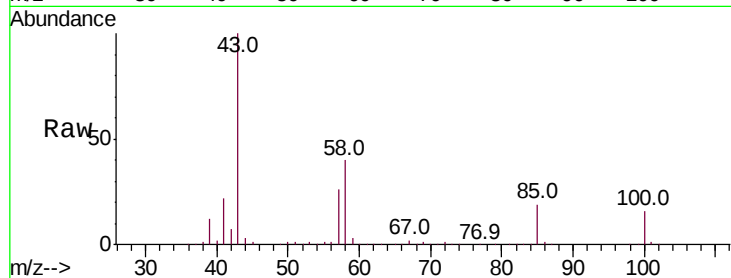
VSTDCCC050EC

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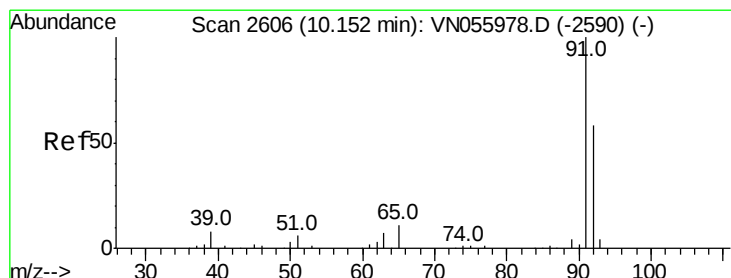
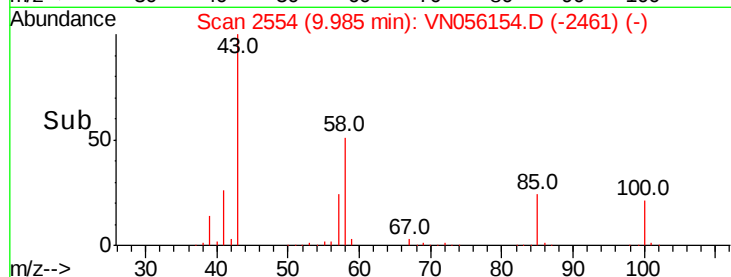
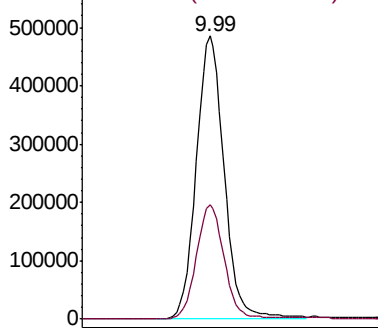
MMDadoda

6/10/2019 11:25:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.332 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056154.D

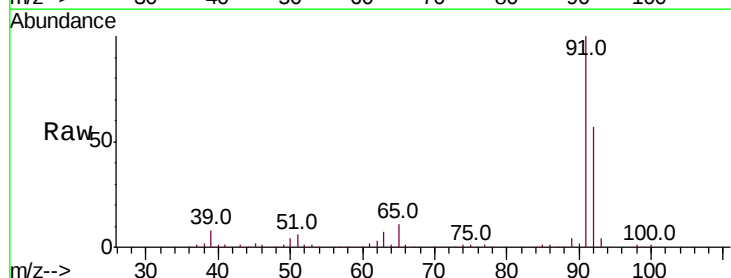
Acq: 8 Jun 2019 15:23

Tgt Ion: 92 Resp: 352083

Ion Ratio Lower Upper

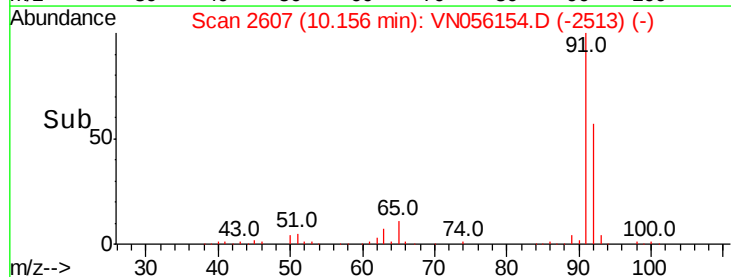
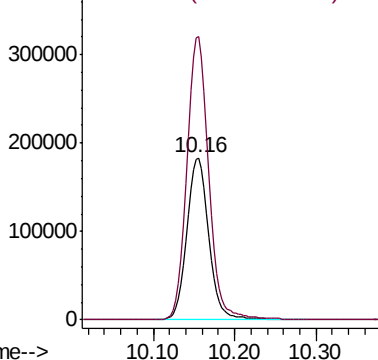
92 100

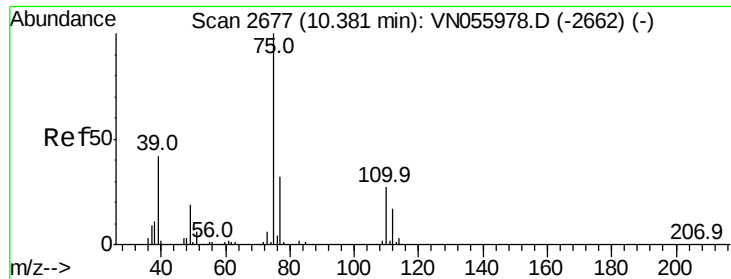
91 174.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





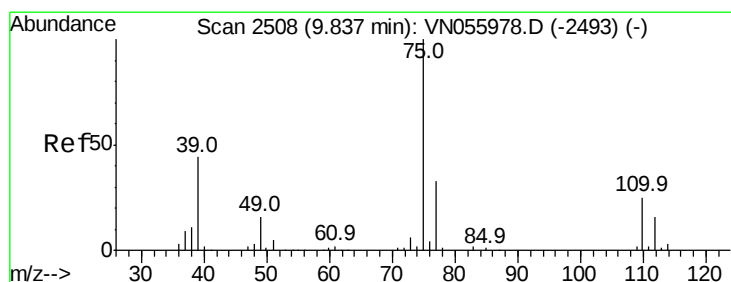
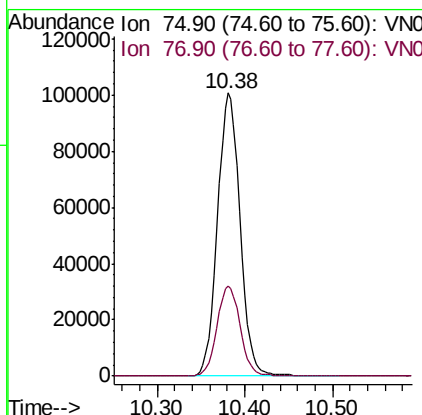
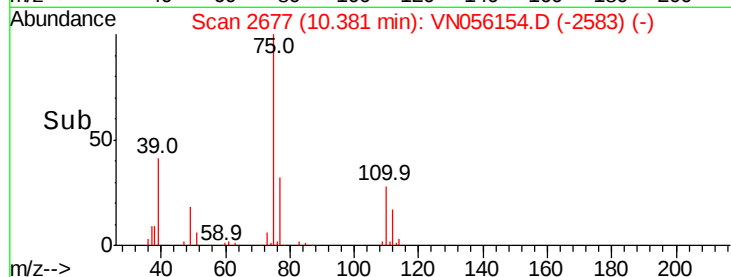
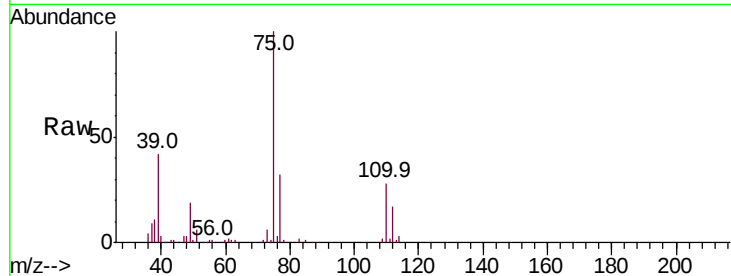
#53
 t-1,3-Dichloropropene
 Concen: 46.215 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	77	Ratio	Lower	Upper	Resp
180562	100	31.9		25.8	38.6	

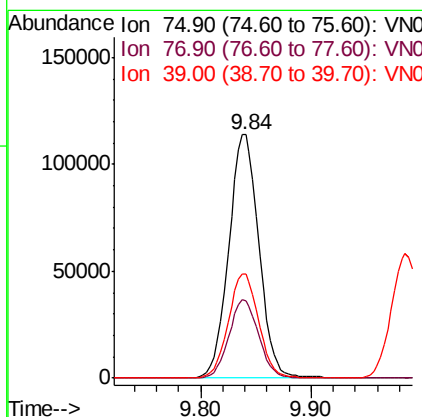
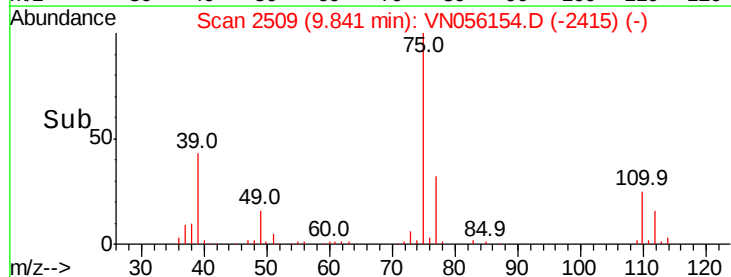
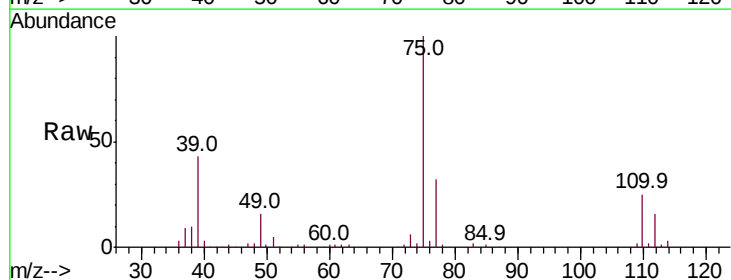
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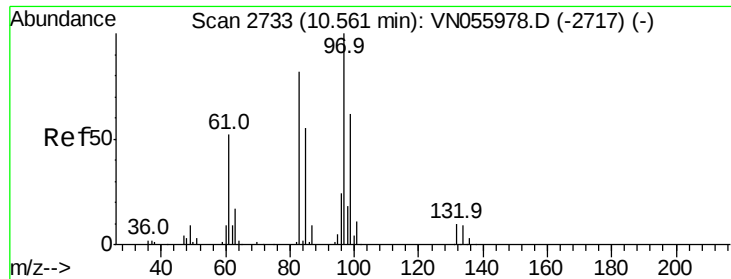
MMDadoda
 6/10/2019 11:25:52 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.511 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion	75	77	39	Ratio	Lower	Upper	Resp
215229	100	31.7	42.7		25.4	38.0	
					36.3	54.5	





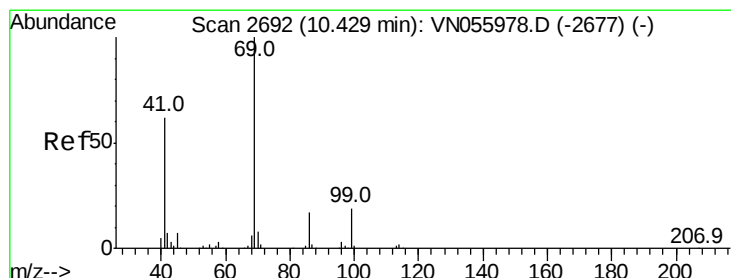
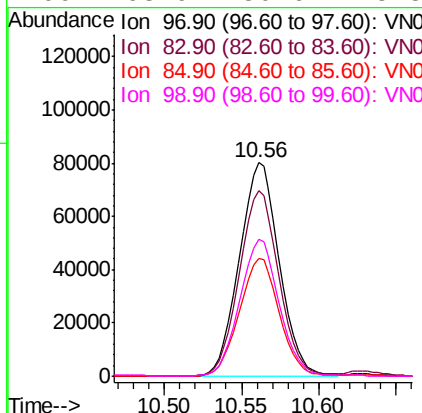
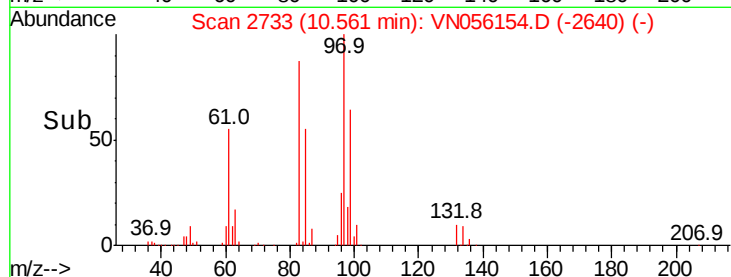
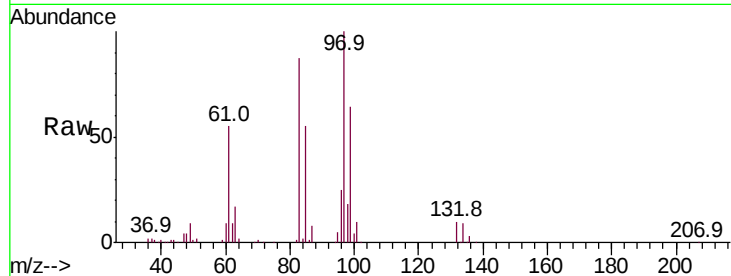
#55
 1,1,2-Trichloroethane
 Concen: 52.986 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	143959
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.0	100.6
85	55.4	44.0	66.0
99	63.9	50.6	75.8

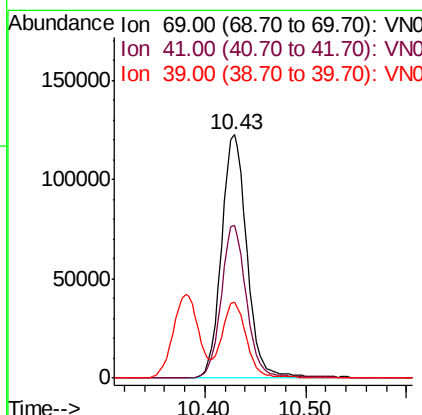
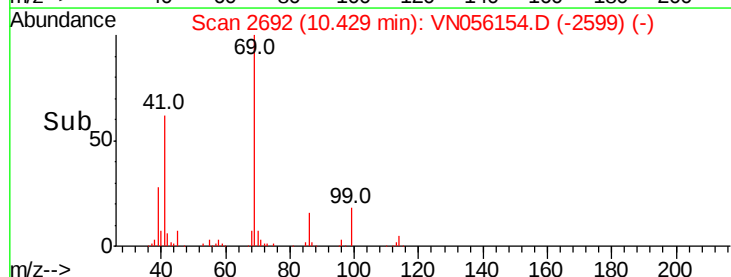
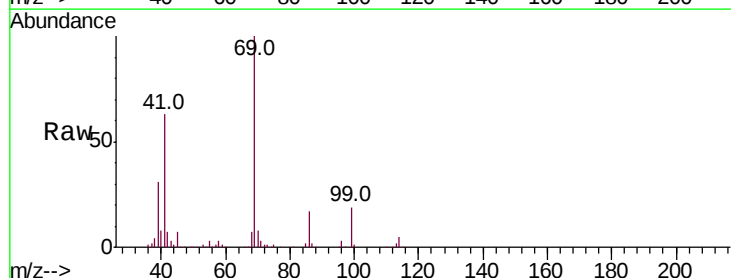
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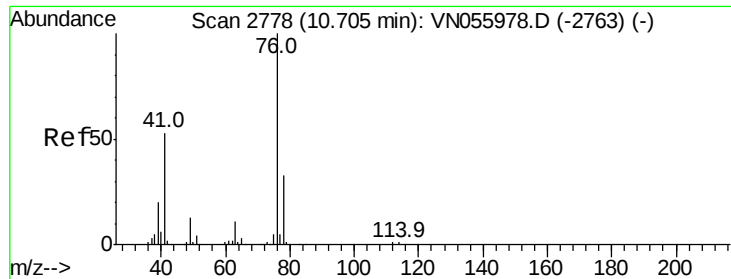
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 6/10/2019 11:25:52 AM



#56
 Ethyl methacrylate
 Concen: 54.596 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion	69	Resp	216401
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.7	74.5
39	29.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.131 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 234666

Ion Ratio Lower Upper

76 100

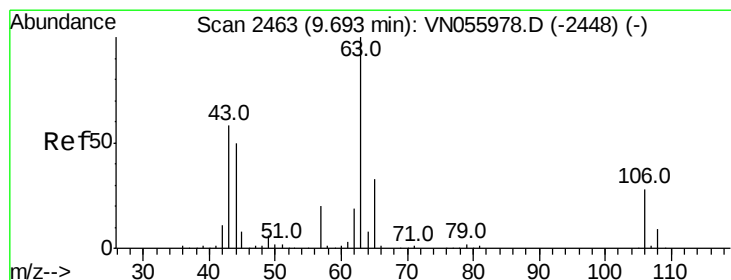
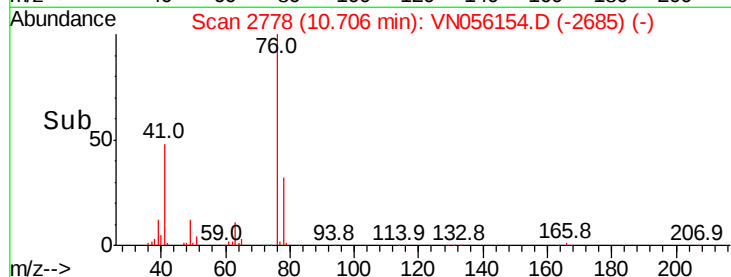
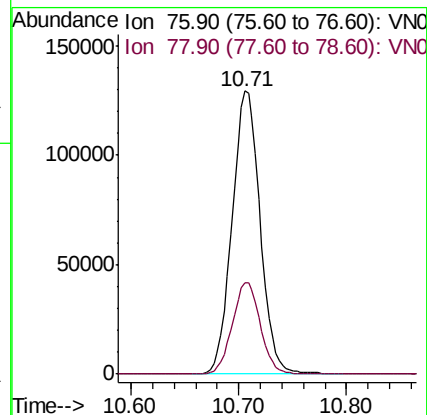
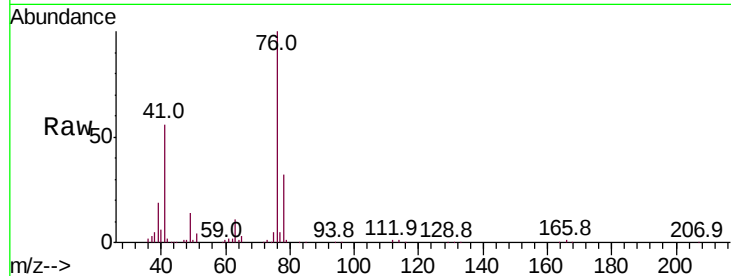
78 32.3 25.8 38.6

Manual Integrations

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6/10/2019 11:25:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 240.181 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056154.D

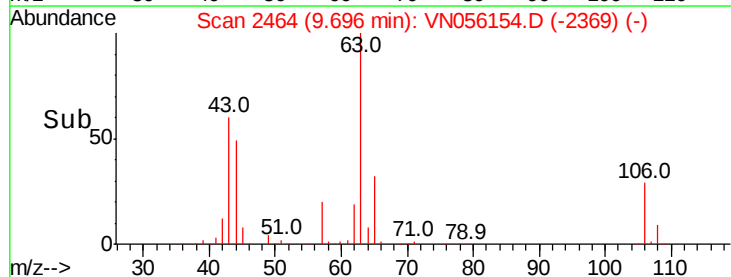
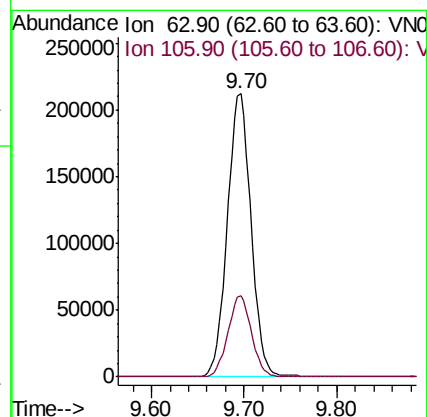
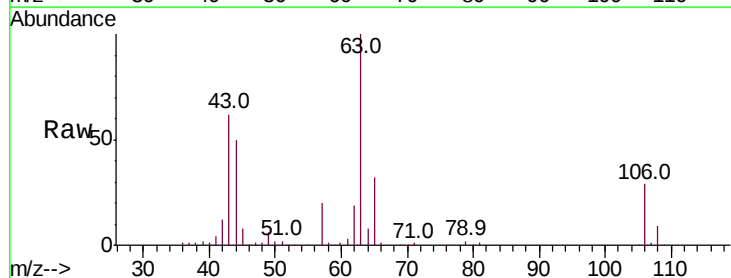
Acq: 8 Jun 2019 15:23

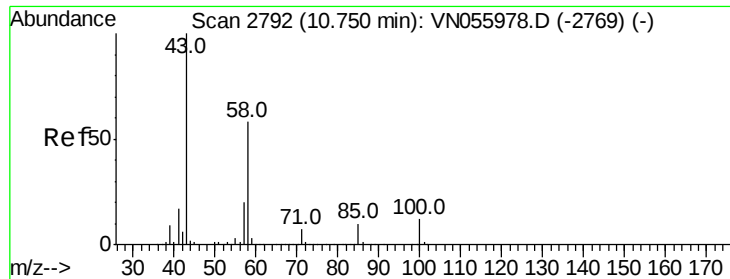
Tgt Ion: 63 Resp: 376478

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1





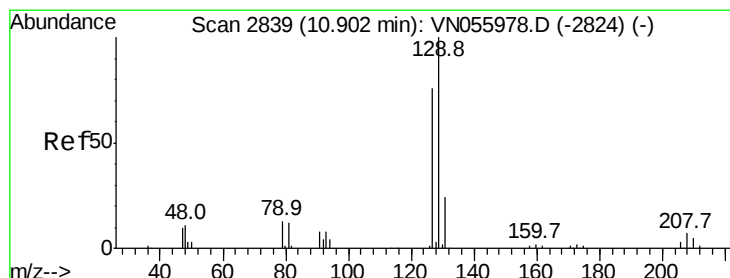
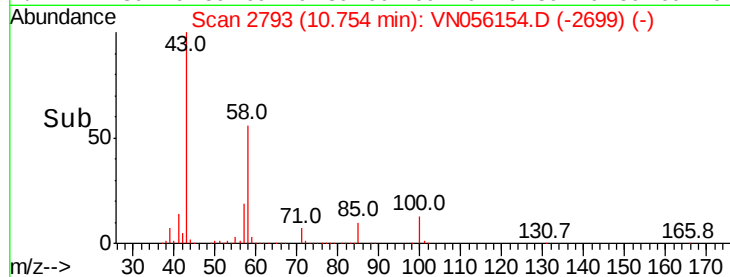
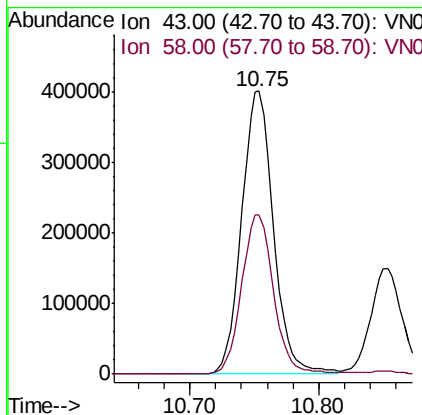
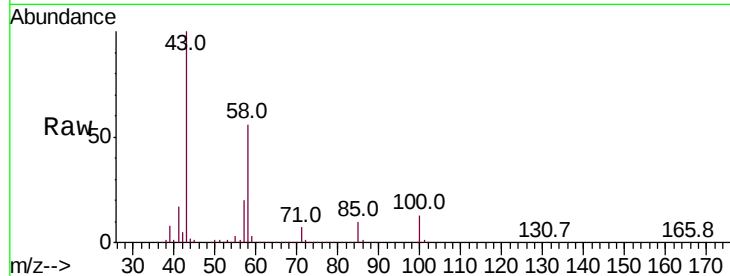
#59
2-Hexanone
Concen: 289.923 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 687587
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7

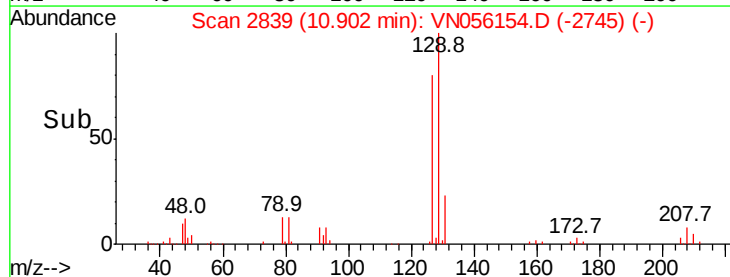
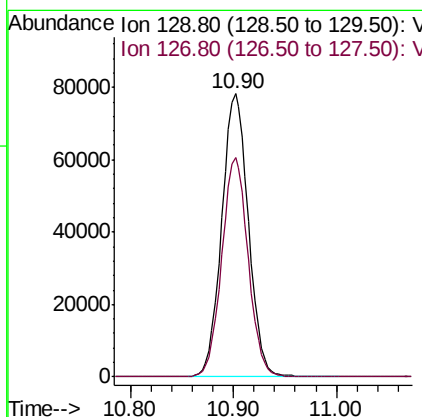
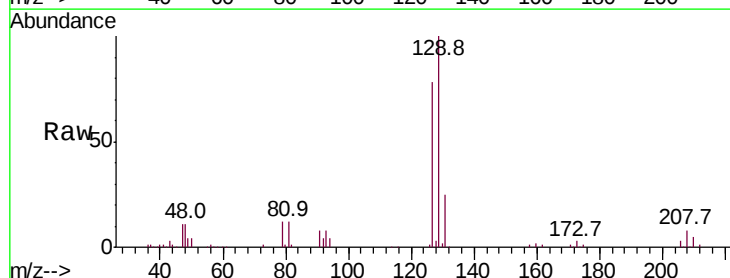
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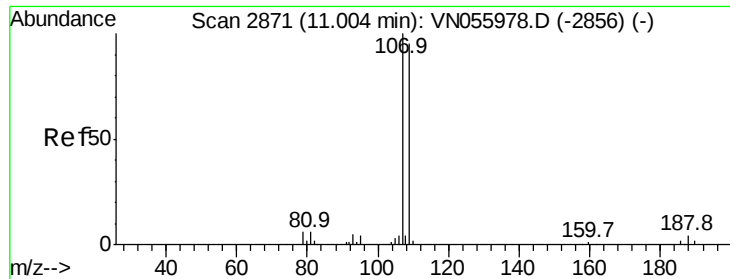
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#60
Dibromochloromethane
Concen: 47.133 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 129 Resp: 140790
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 53.342 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 148158

Ion Ratio Lower Upper

107 100

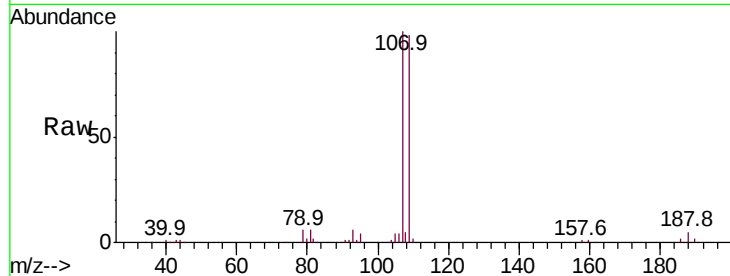
109 95.7 74.8 112.2

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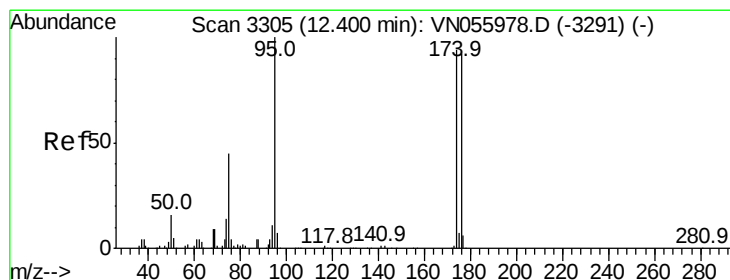
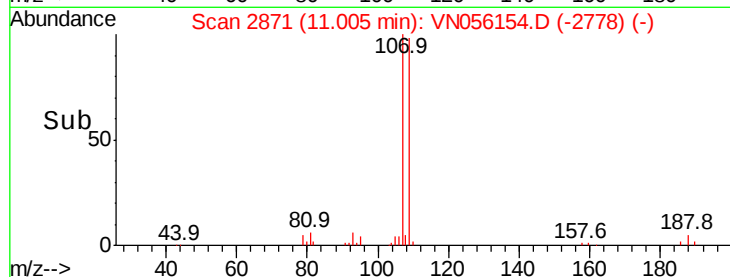
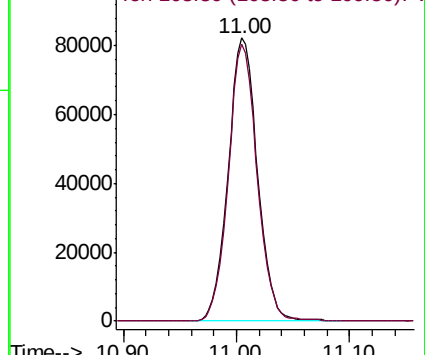
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.179 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

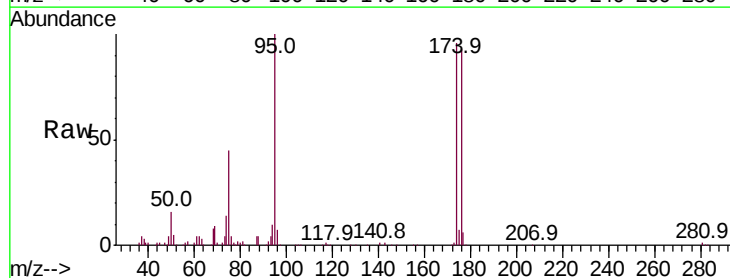
Tgt Ion: 95 Resp: 170039

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

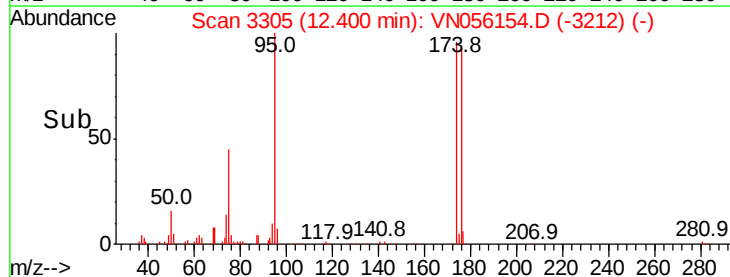
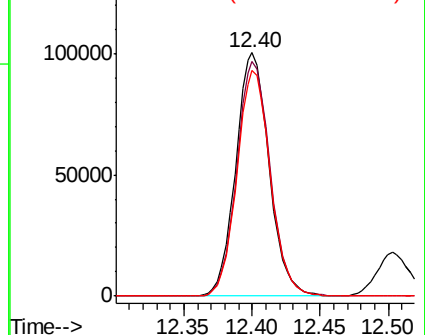
176 93.0 0.0 185.2

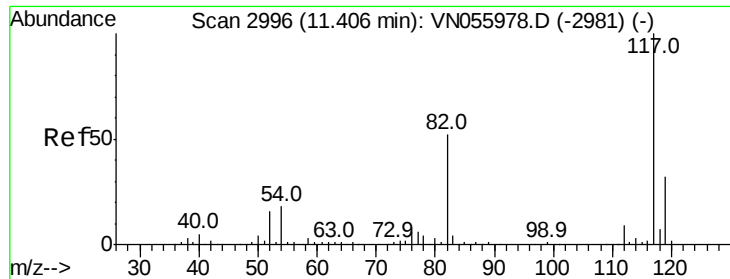


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





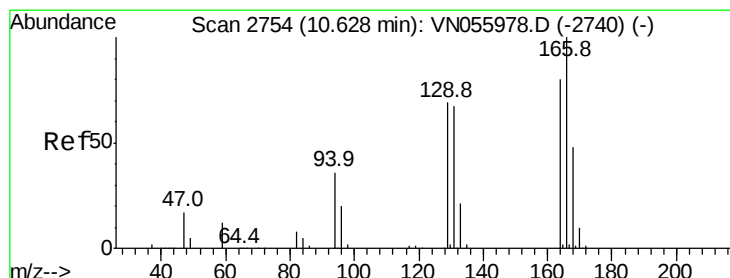
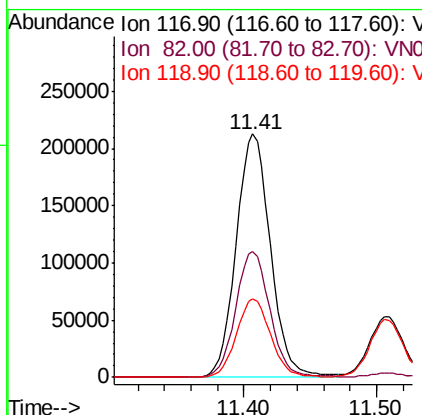
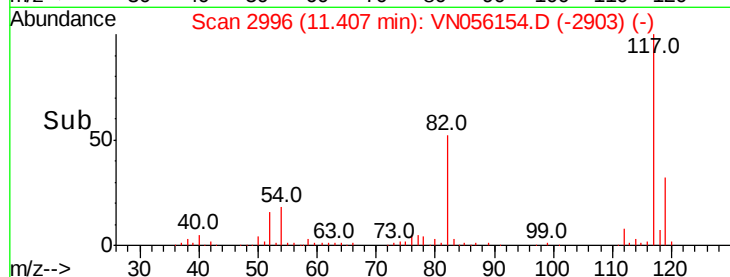
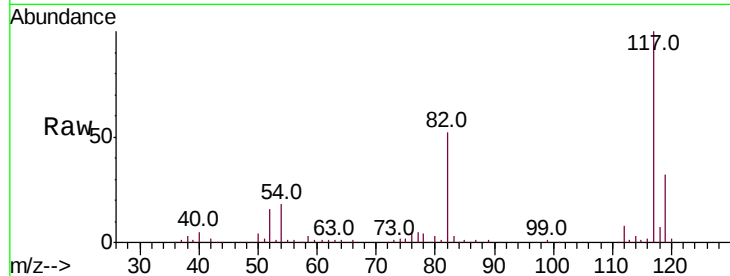
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	32.3	25.4	38.0

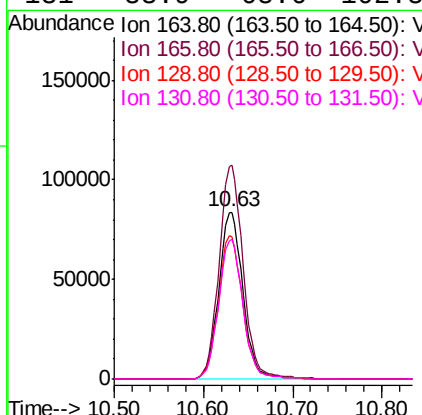
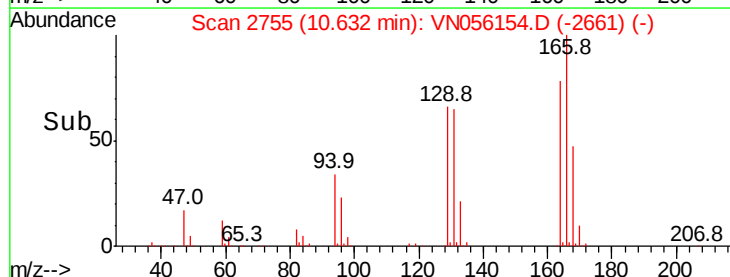
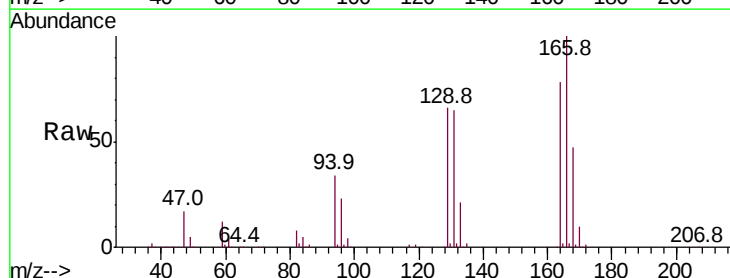
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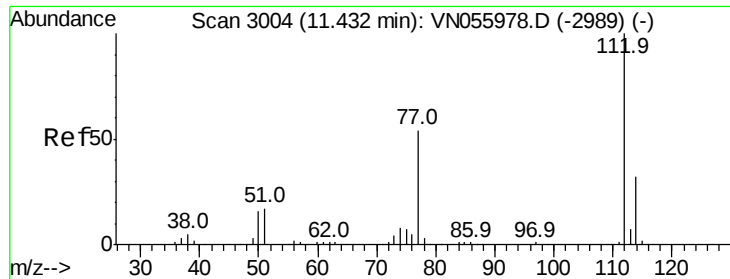
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#64
Tetrachloroethene
Concen: 47.576 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.0	154.6
129	84.9	70.6	105.8
131	83.9	68.6	102.8





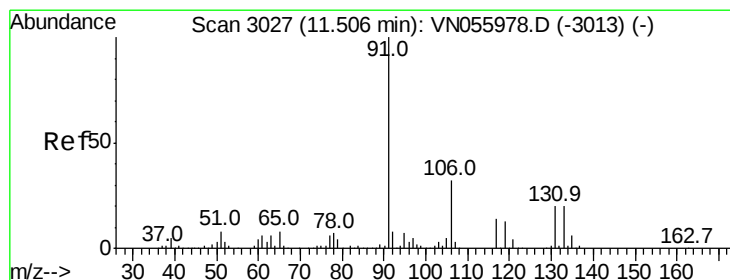
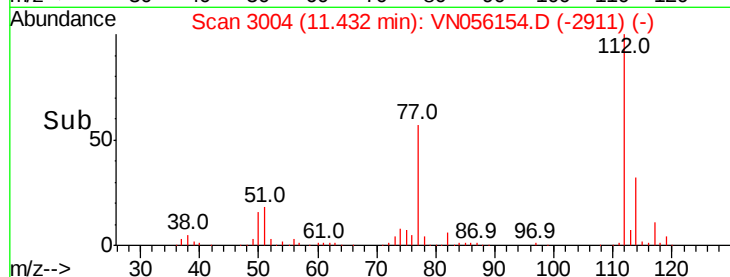
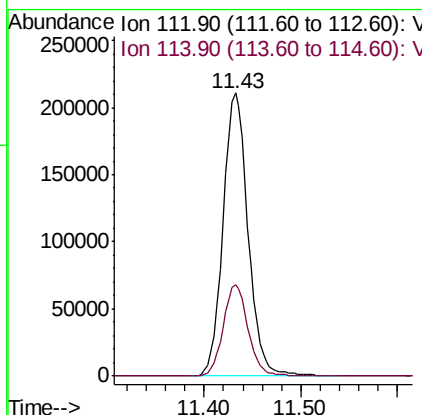
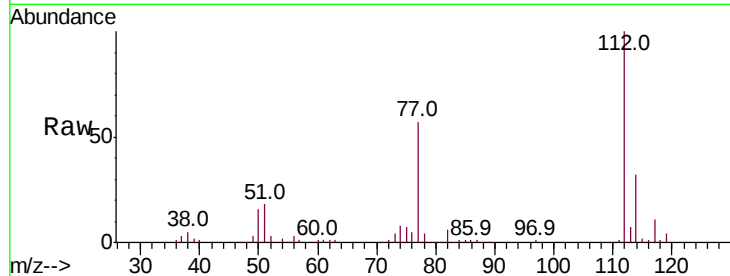
#65
Chlorobenzene
Concen: 49.702 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 377691
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

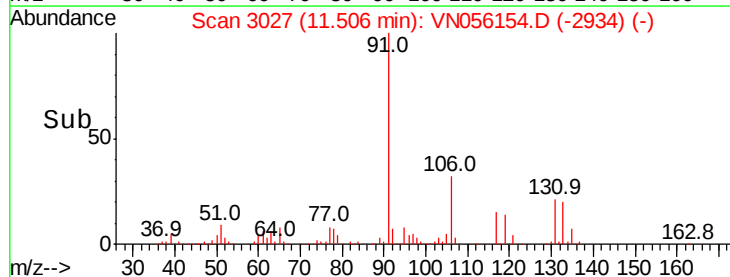
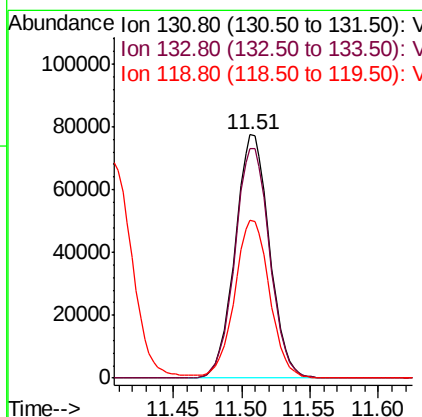
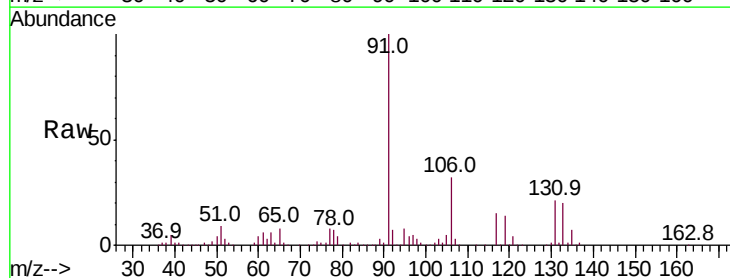
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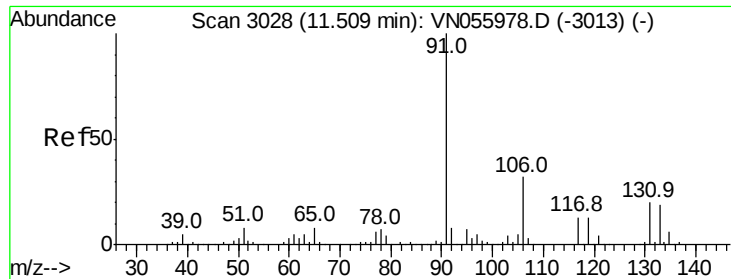
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.668 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion:131 Resp: 135571
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 66.1 33.1 99.5





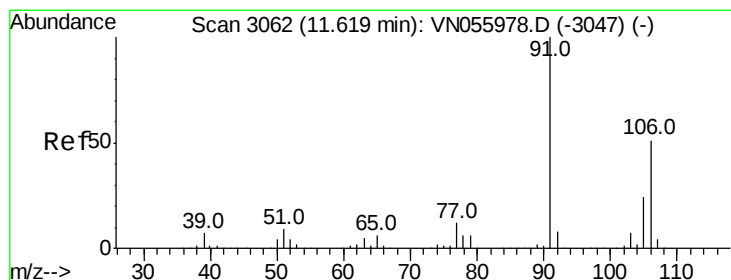
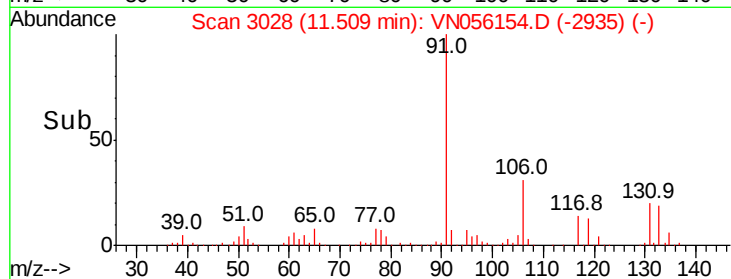
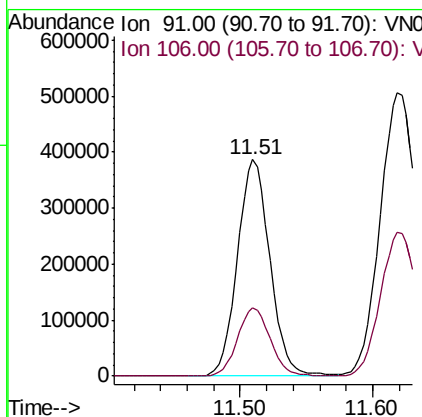
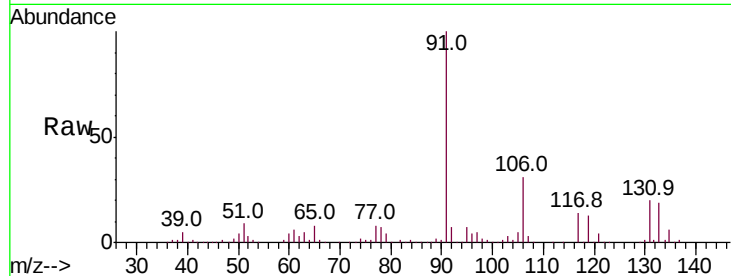
#67
Ethyl Benzene
Concen: 49.841 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 658589
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

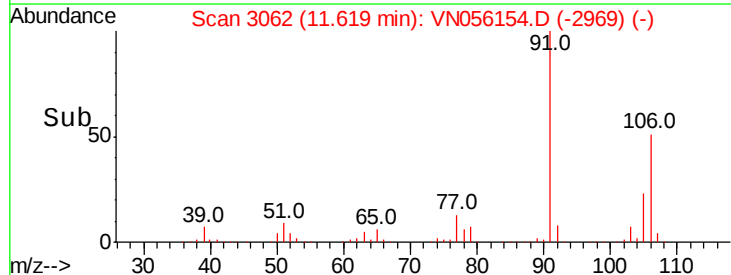
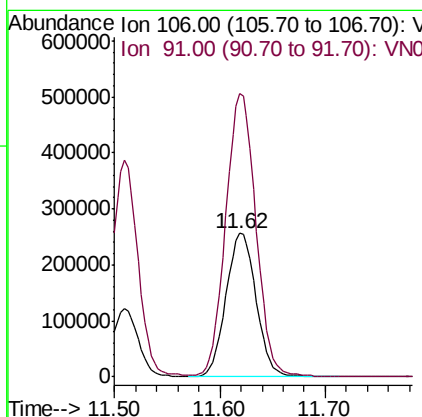
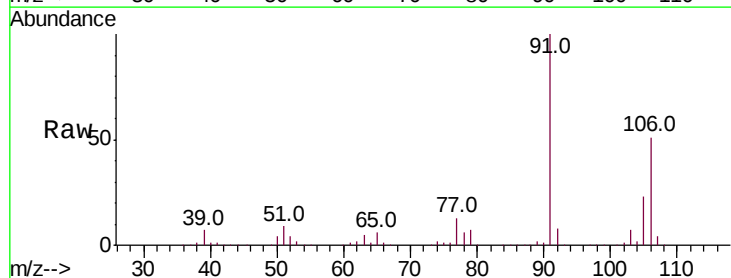
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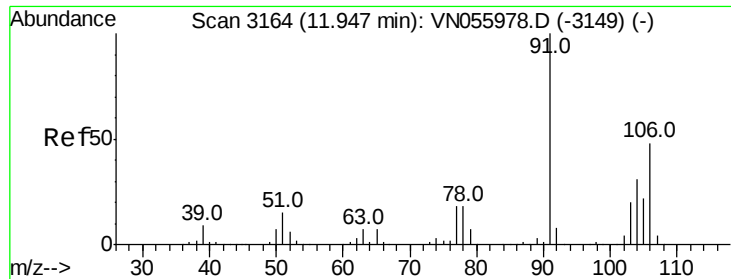
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#68
m/p-Xylenes
Concen: 100.621 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 106 Resp: 507912
Ion Ratio Lower Upper
106 100
91 197.2 159.3 238.9





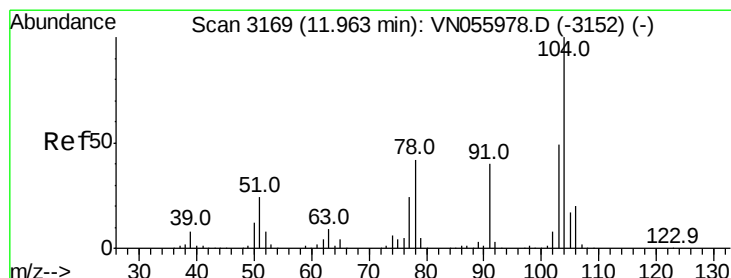
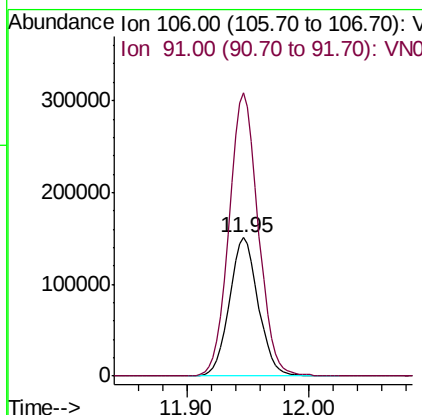
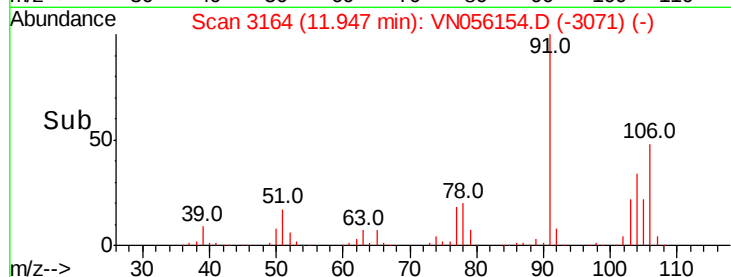
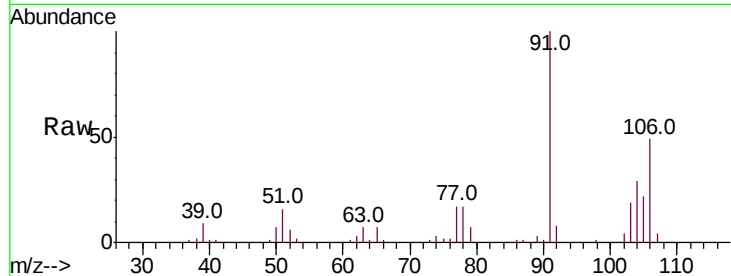
#69
o-Xylene
Concen: 50.144 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 248981
Ion Ratio Lower Upper
106 100
91 207.0 104.7 314.1

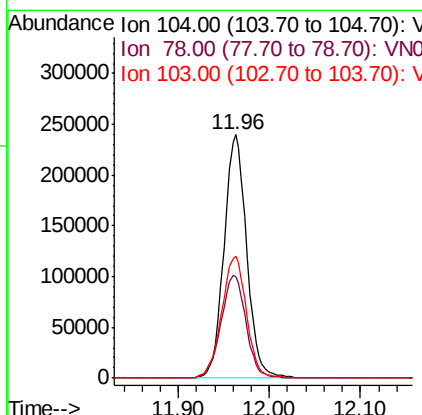
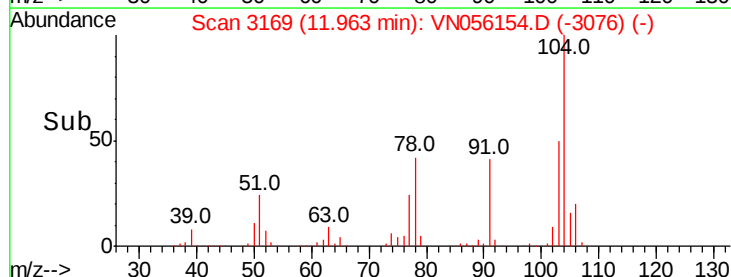
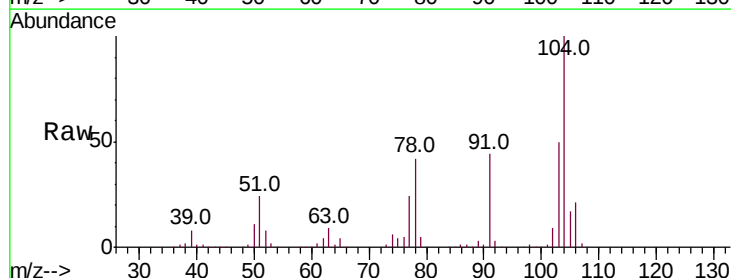
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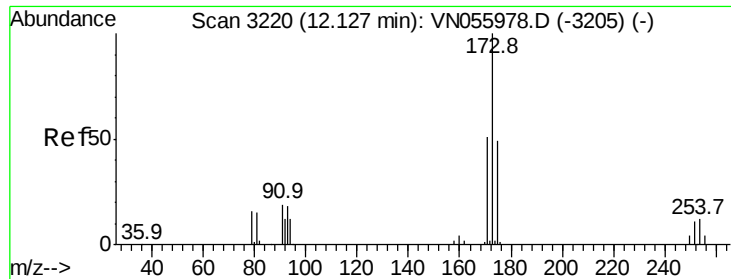
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#70
Styrene
Concen: 52.515 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion:104 Resp: 414299
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 54.9 44.2 66.2





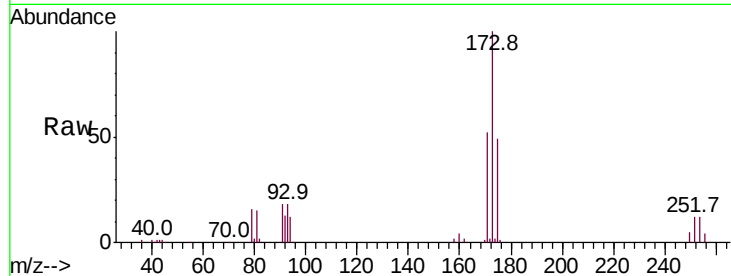
#71
Bromoform
Concen: 46.094 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

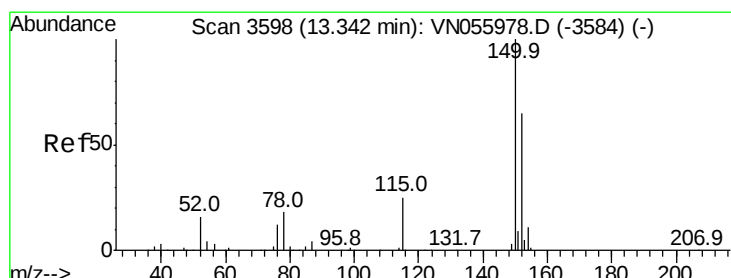
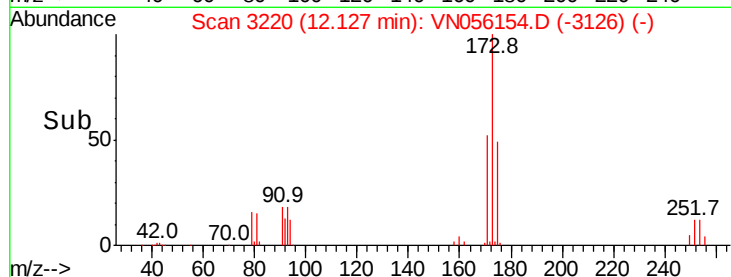
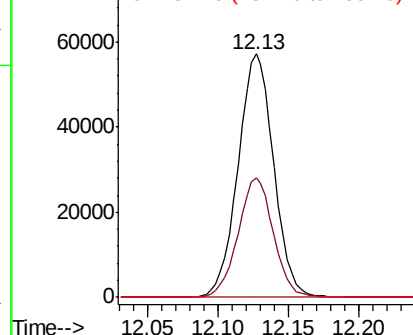
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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6/10/2019 11:25:52 AM

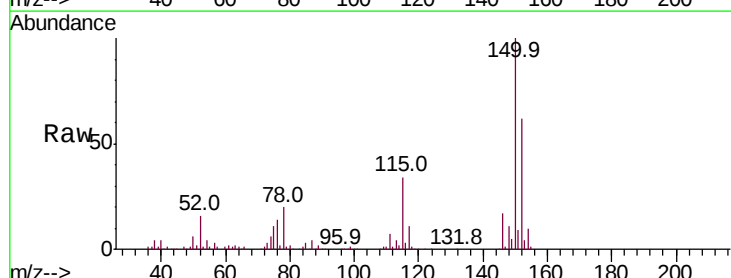


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

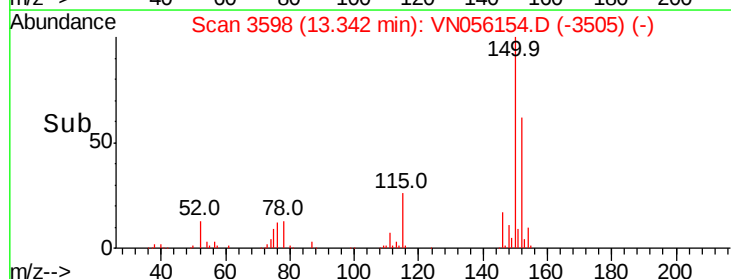
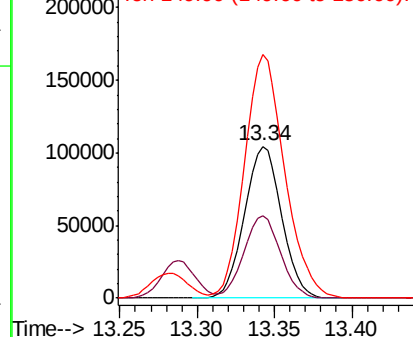


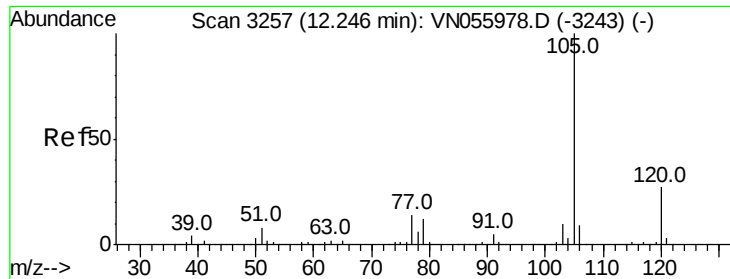
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.0	81.0
150	173.9	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.949 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 656425

Ion Ratio Lower Upper

105 100

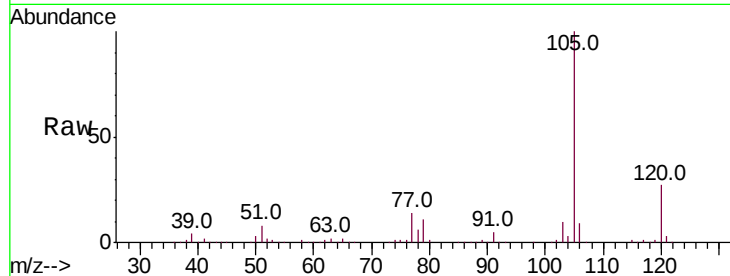
120 27.2 13.6 40.7

Manual Integrations

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6/10/2019 11:25:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

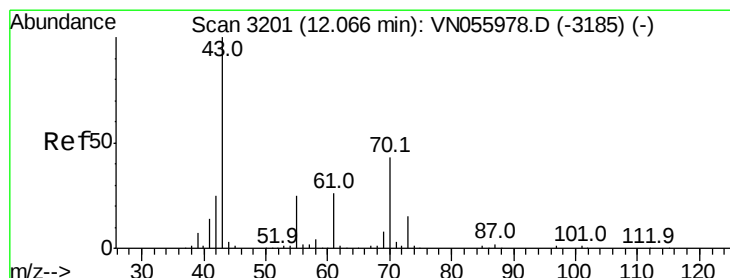
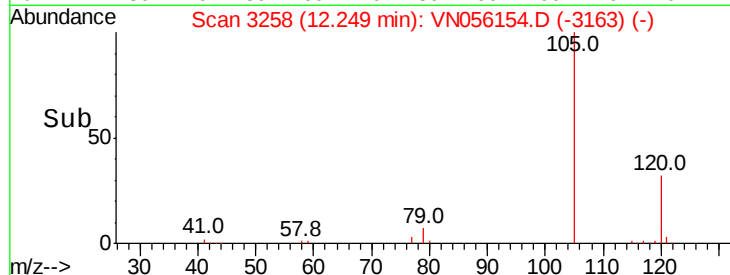
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 50.125 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion: 43 Resp: 233017

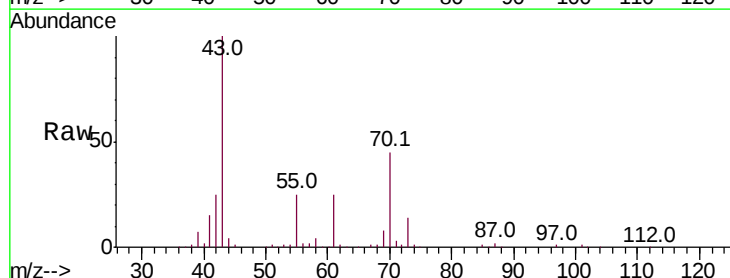
Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 25.7 18.6 28.0

61 25.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

200000

150000

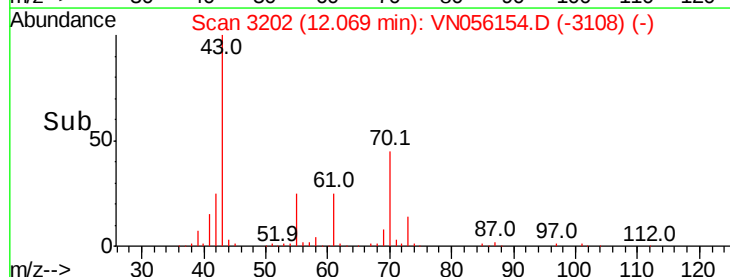
100000

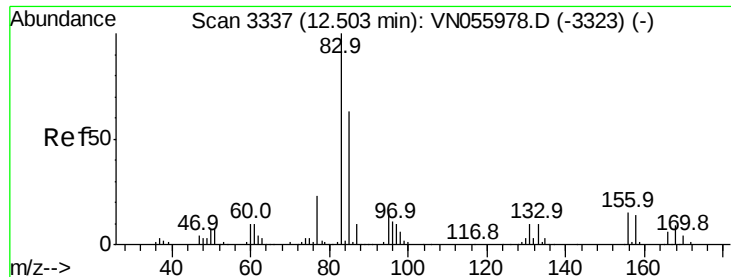
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 50.439 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

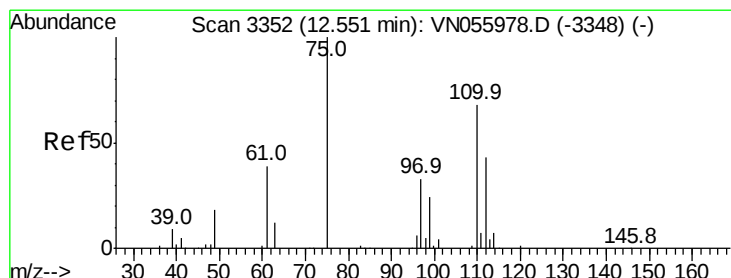
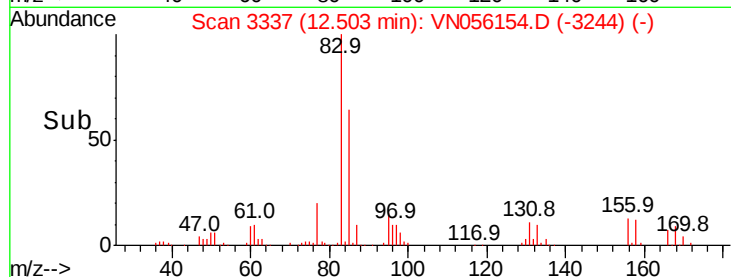
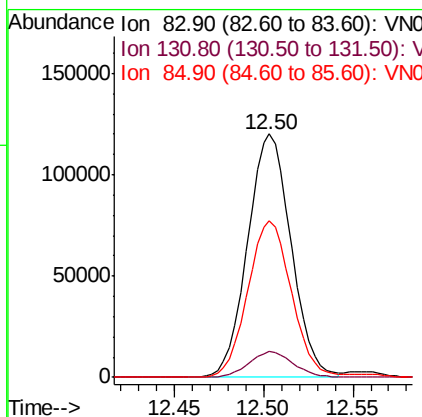
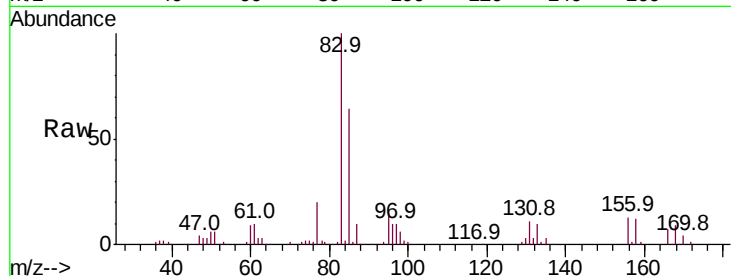
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	204201
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 50.805 ug/l m

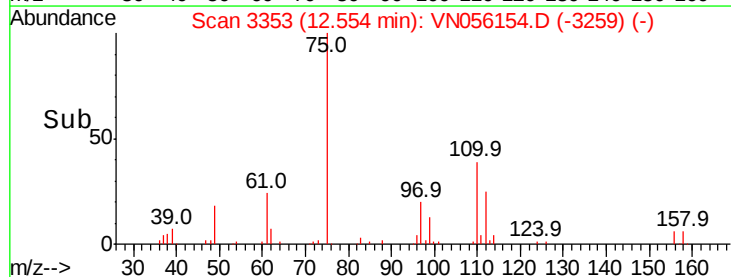
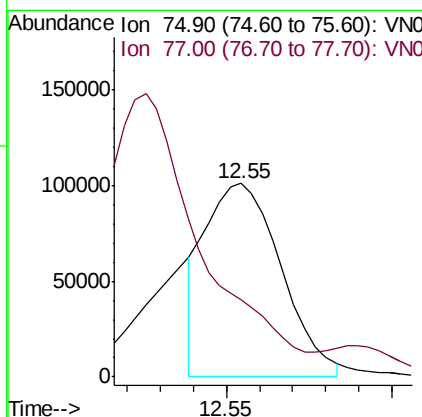
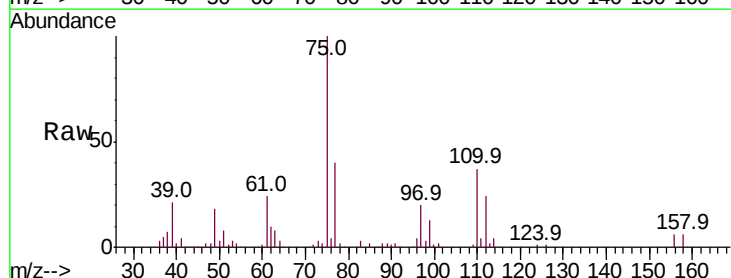
RT: 12.55 min Scan# 3353

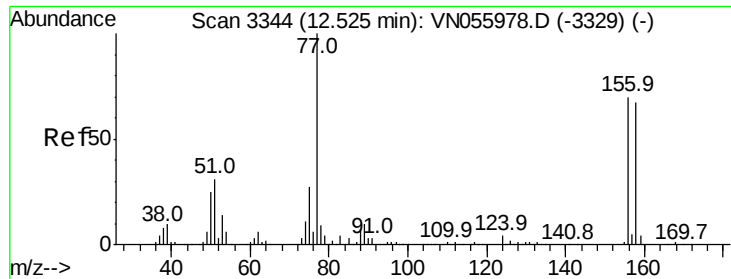
Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion	75	Resp	163031
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.020 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

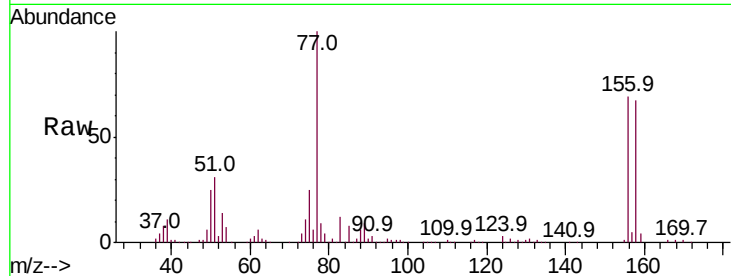
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	179294
Ion Ratio	Lower	Upper	
156	100		
77	174.8	90.8	272.5
158	97.1	49.3	147.8

Manual Integrations
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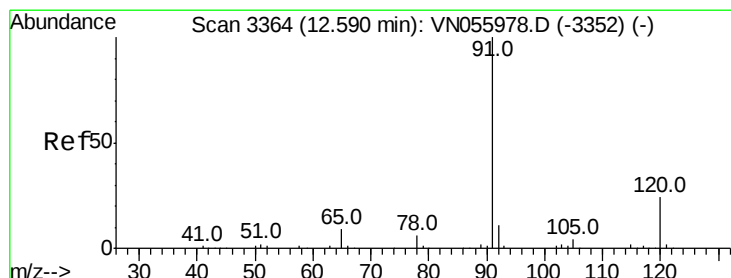
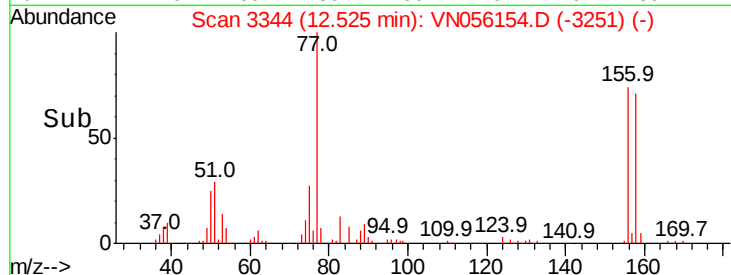
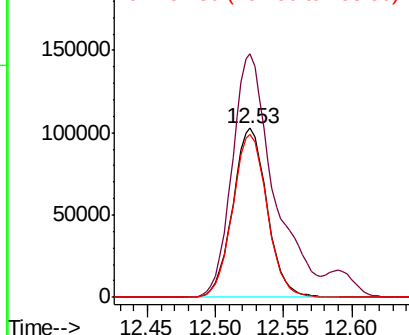
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.721 ug/l

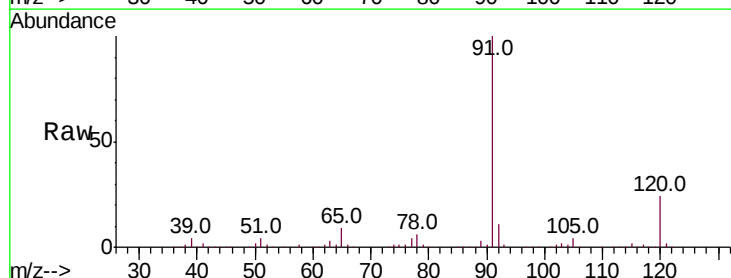
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056154.D

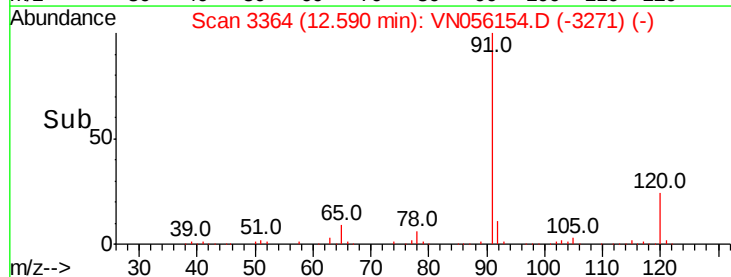
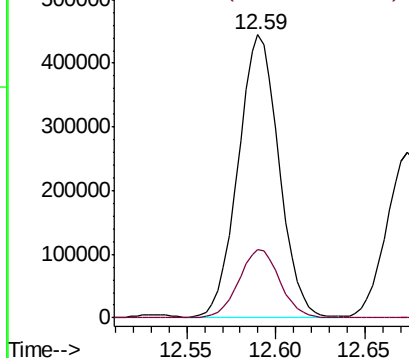
Acq: 8 Jun 2019 15:23

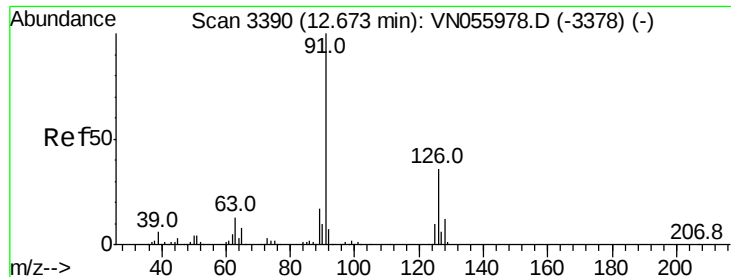
Tgt Ion:	91	Resp:	704057
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.680 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 430078

Ion Ratio Lower Upper

91 100

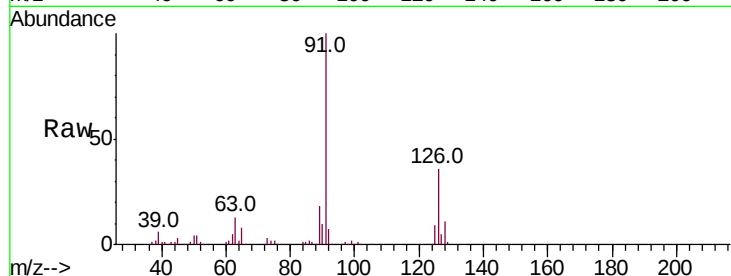
126 36.2 18.1 54.4

Manual Integrations

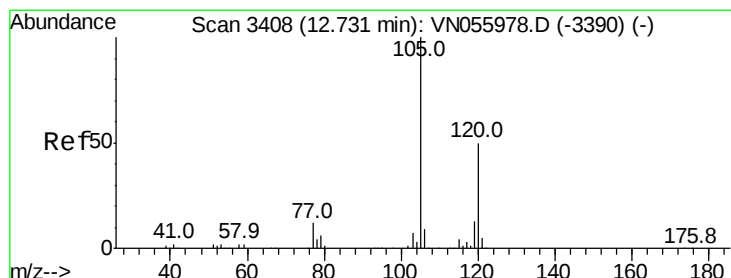
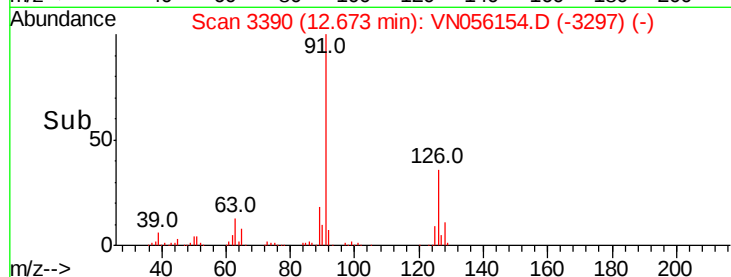
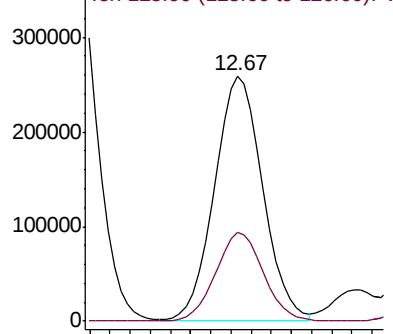
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.099 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056154.D

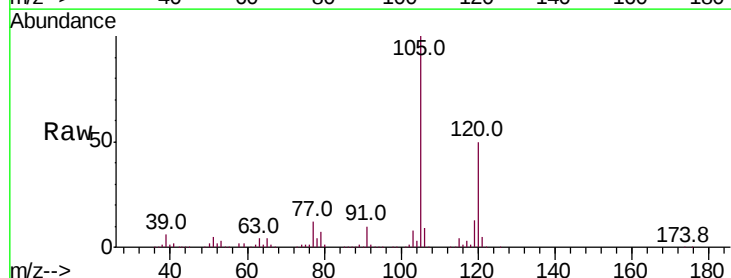
Acq: 8 Jun 2019 15:23

Tgt Ion: 105 Resp: 540534

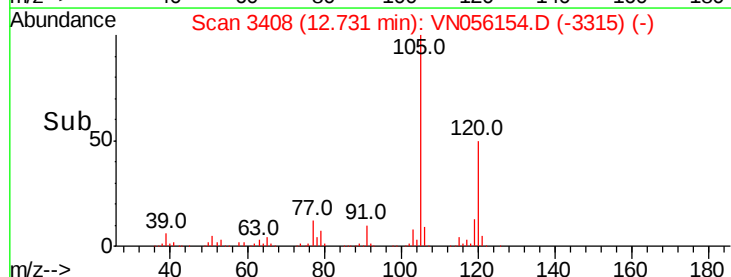
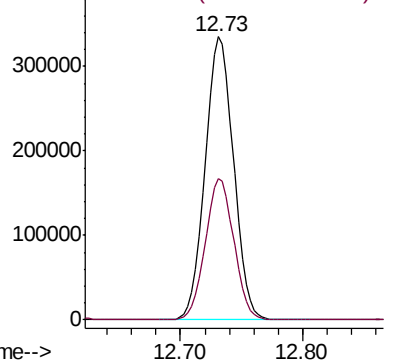
Ion Ratio Lower Upper

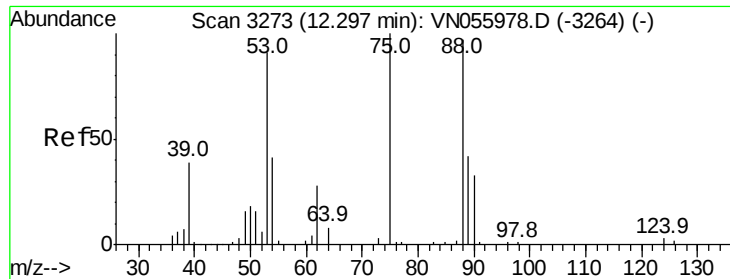
105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





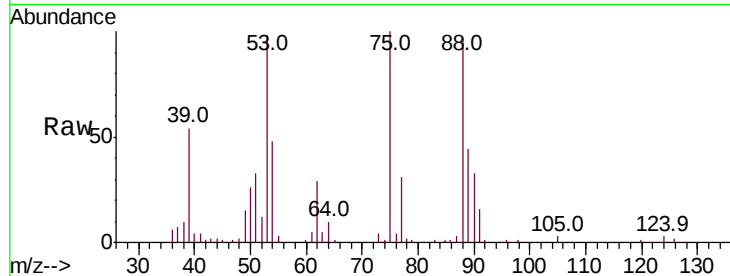
#81
trans-1,4-Dichloro-2-butene
Concen: 50.257 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

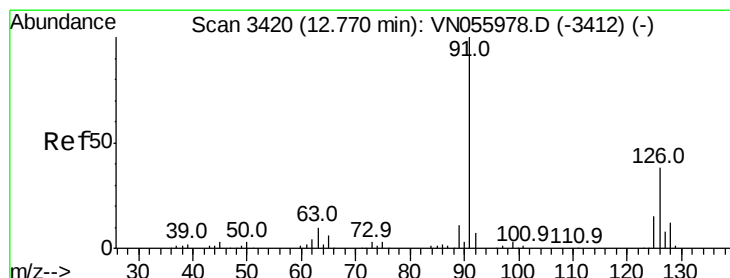
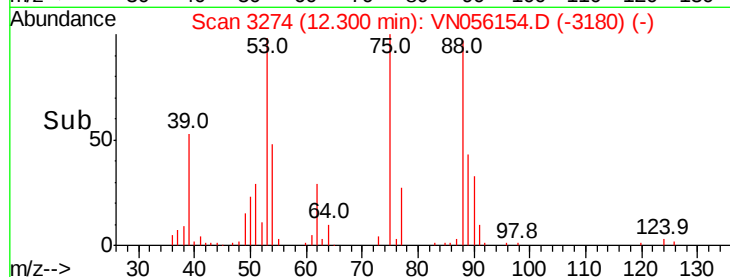
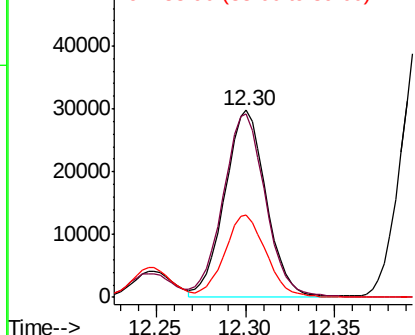
Tot Ion: 75 Resp: 48427
Ion Ratio Lower Upper
75 100
53 100.0 68.1 102.1
89 43.8 36.9 55.3

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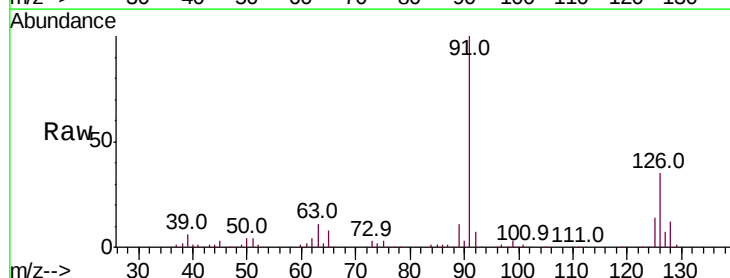


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

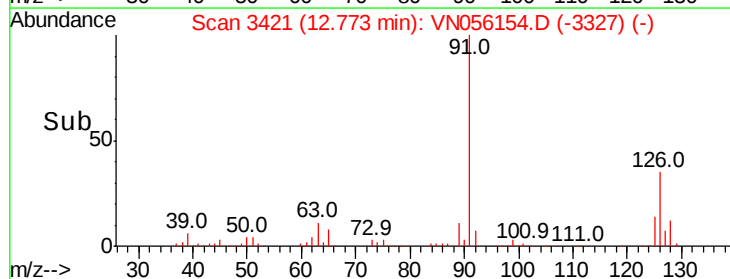
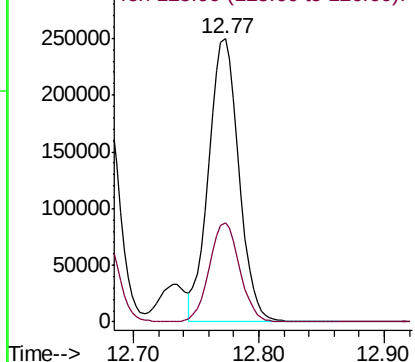


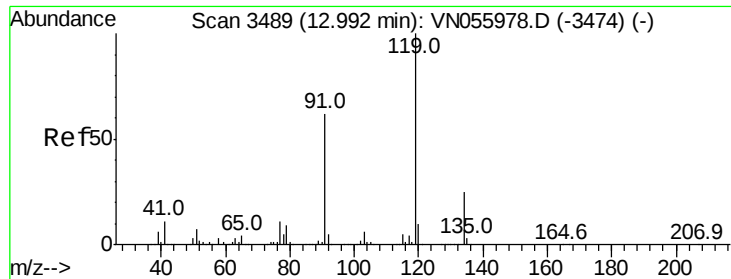
#82
4-Chlorotoluene
Concen: 48.356 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 91 Resp: 417388
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.782 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

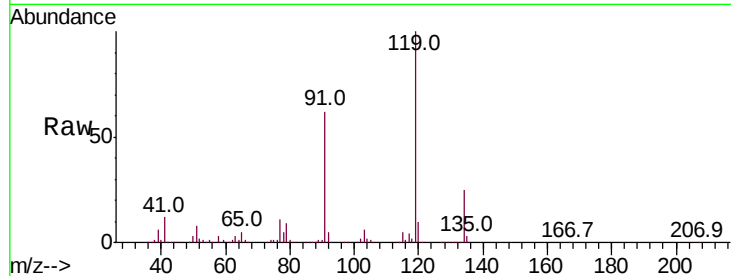
ClientSampleId :

VSTDCCC050EC

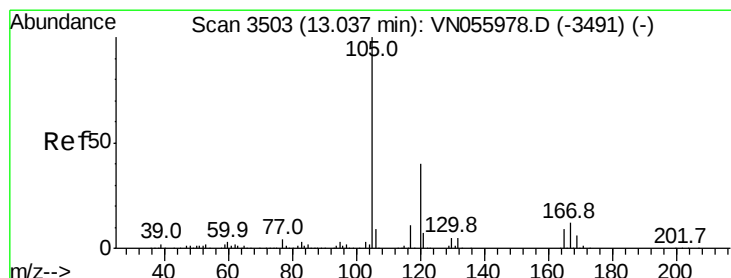
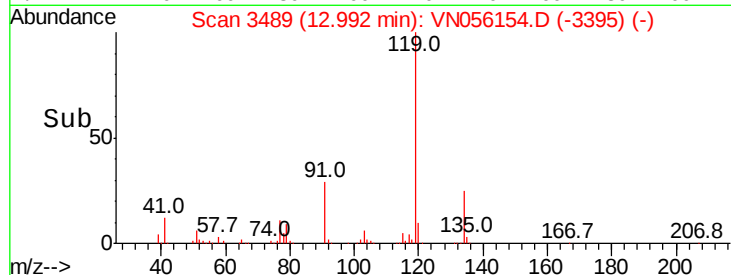
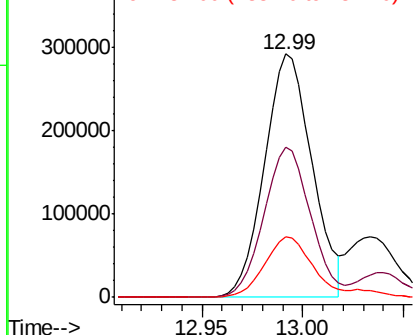
Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		478816		
91	60.8	30.9	92.8		
134	27.0	13.3	39.8		

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.178 ug/l

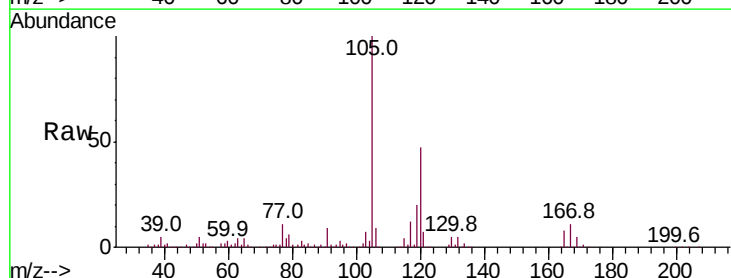
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

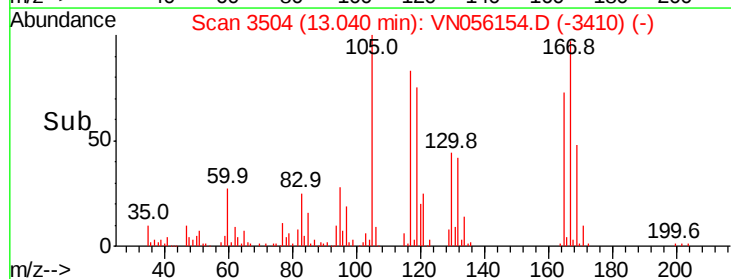
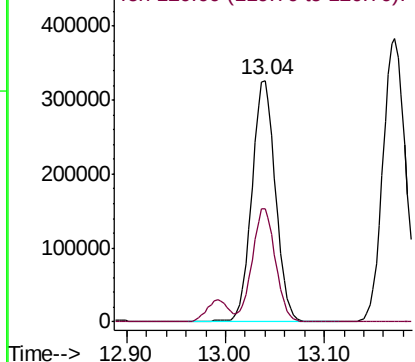
Lab File: VN056154.D

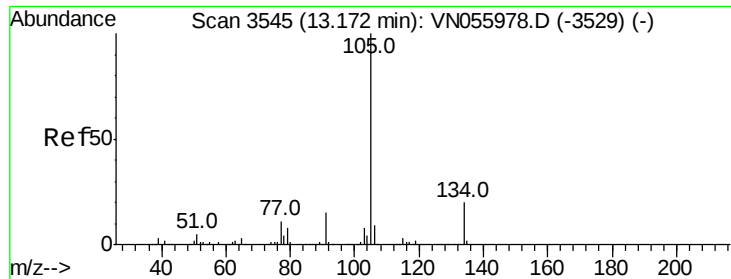
Acq: 8 Jun 2019 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		535705		
120	46.2	23.0	69.0		



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





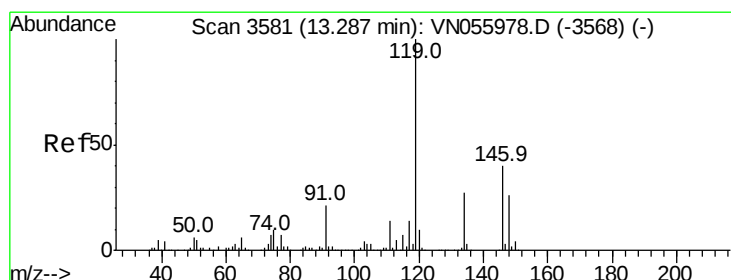
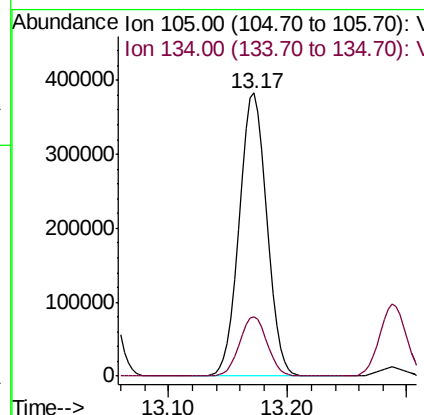
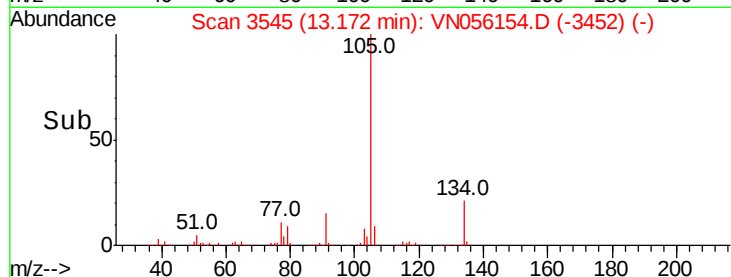
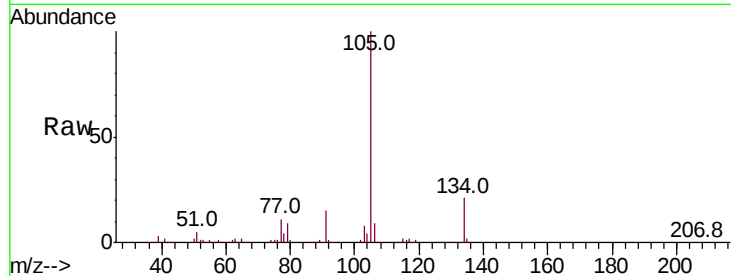
#85
 sec-Butylbenzene
 Concen: 47.073 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.2

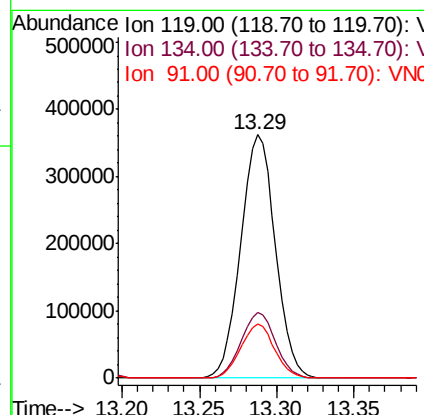
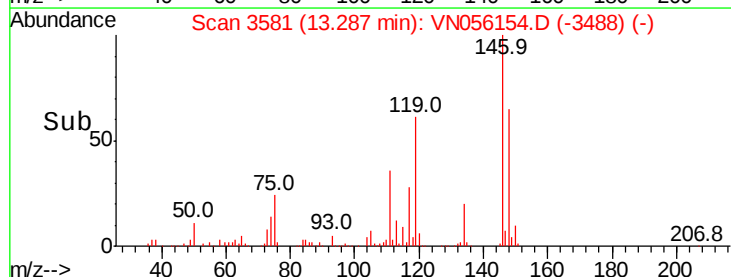
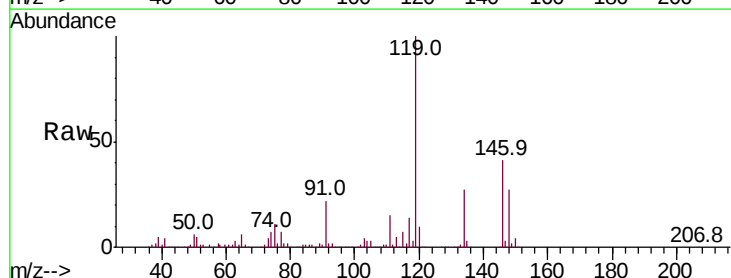
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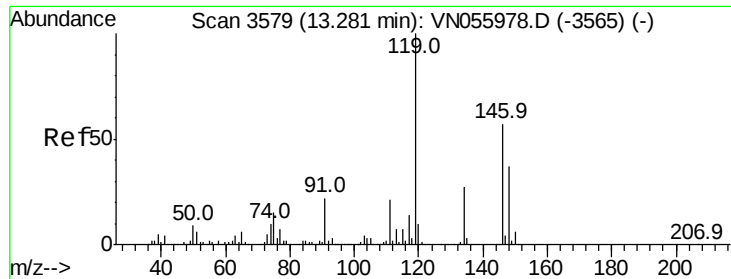
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#86
 p-Isopropyltoluene
 Concen: 47.950 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	21.7	10.9	32.9





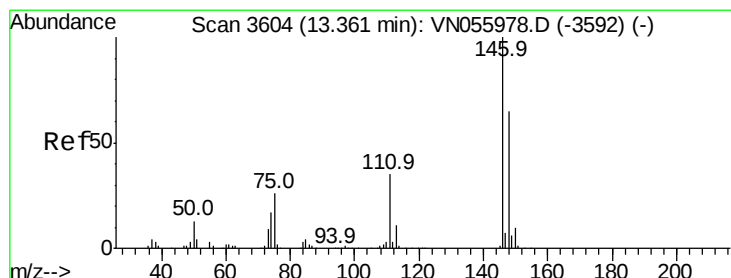
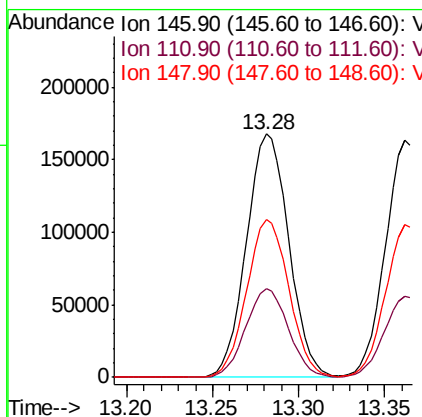
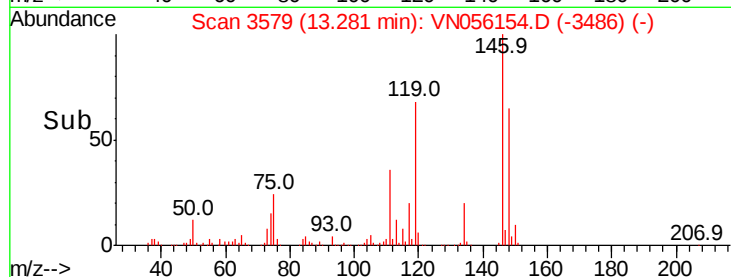
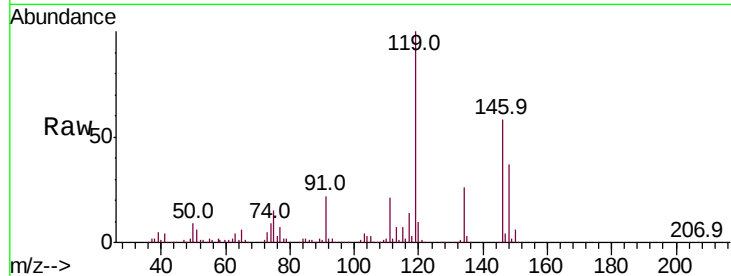
#87
 1,3-Dichlorobenzene
 Concen: 49.605 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.6	32.0	96.2

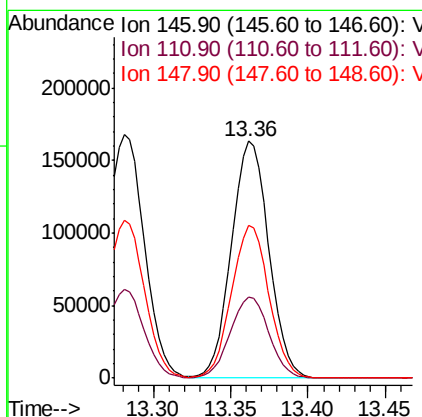
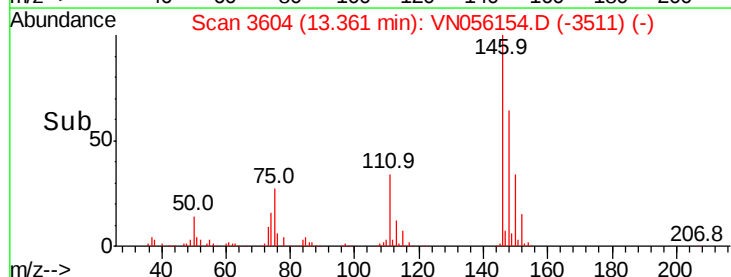
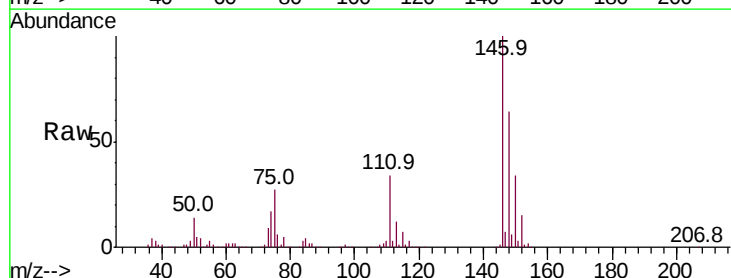
Manual Integrations
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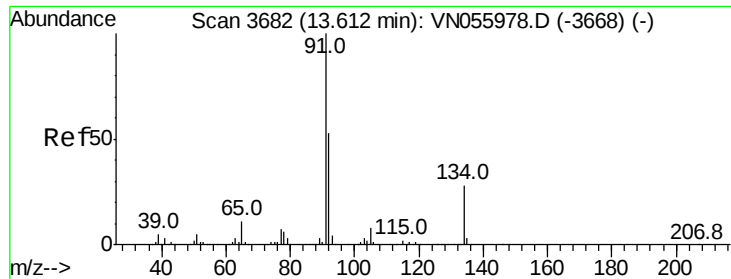
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#88
 1,4-Dichlorobenzene
 Concen: 49.276 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.4
148	64.7	32.1	96.5





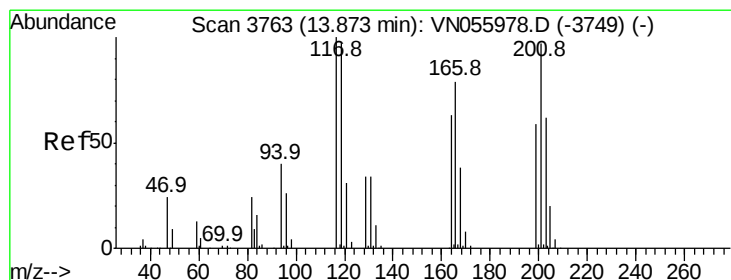
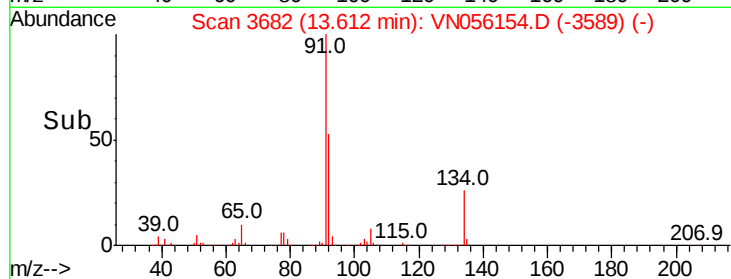
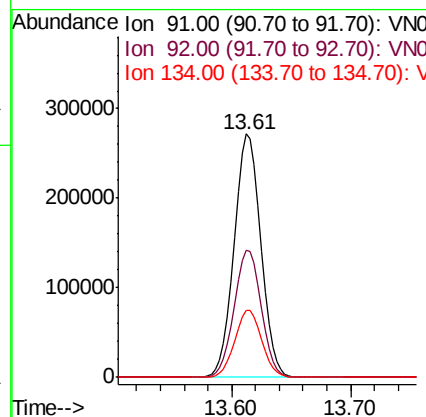
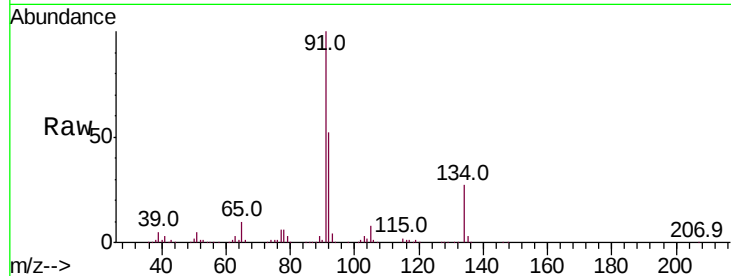
#89
n-Butylbenzene
Concen: 48.872 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	27.8	13.9	41.7

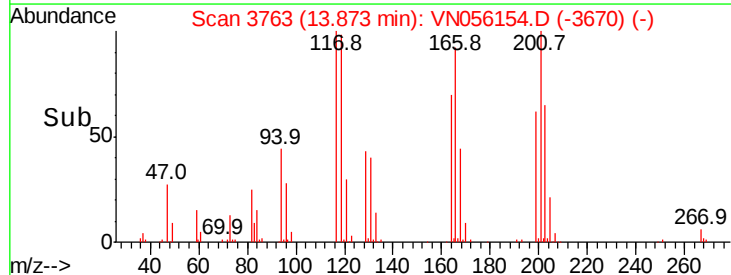
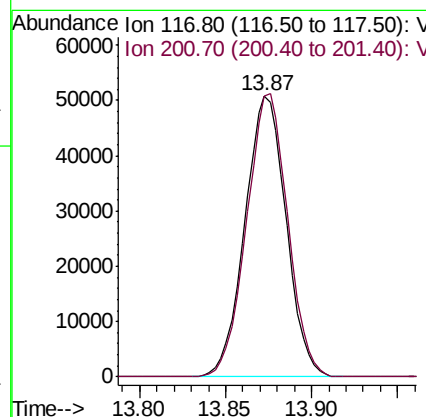
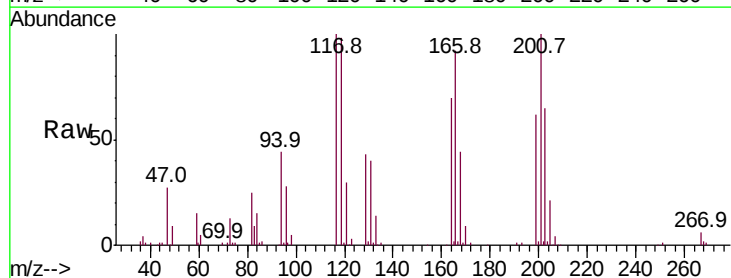
Manual Integrations
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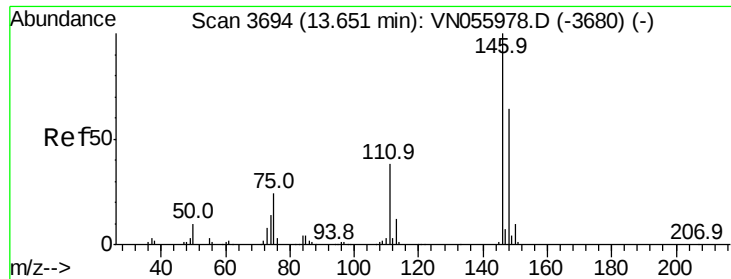
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#90
Hexachloroethane
Concen: 47.910 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.7	50.0	150.0





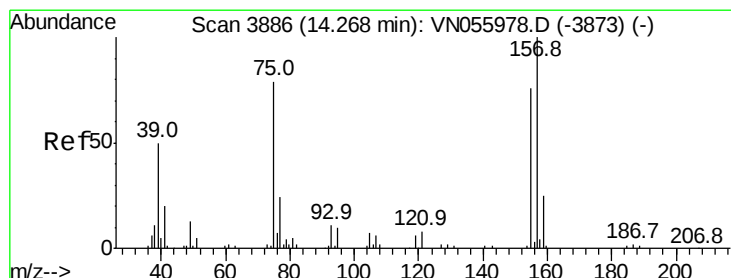
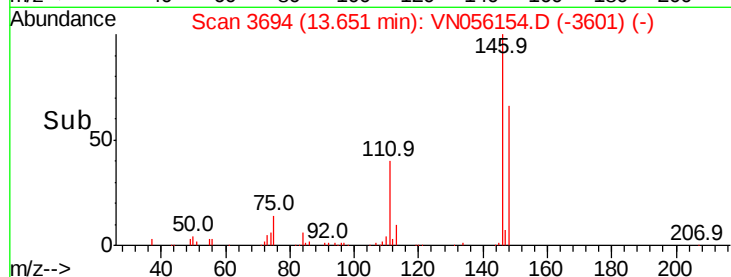
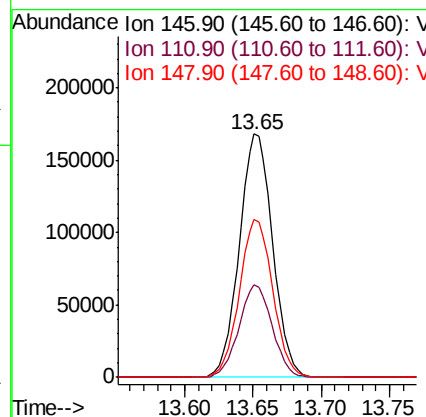
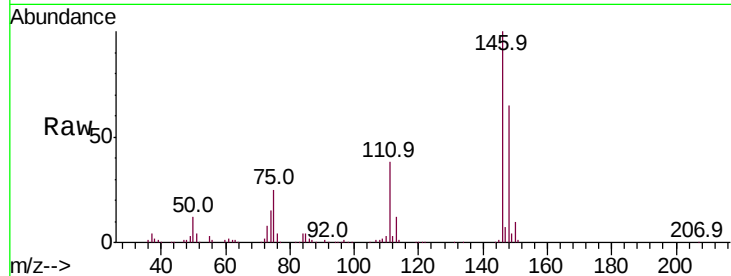
#91
 1,2-Dichlorobenzene
 Concen: 48.700 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	65.0	31.9	95.9

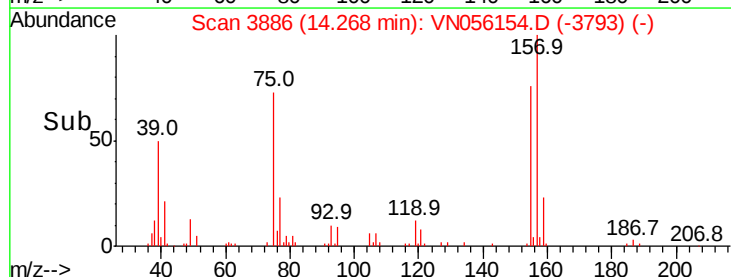
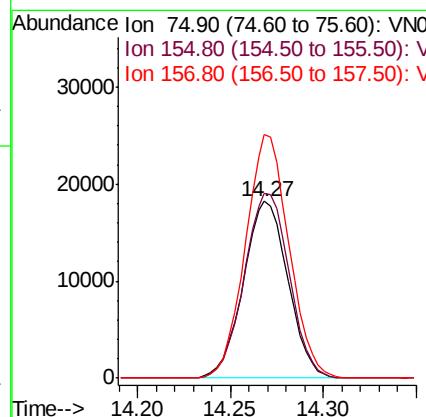
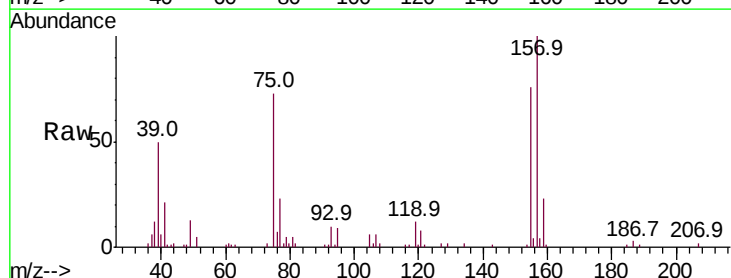
Manual Integrations
 APPROVED

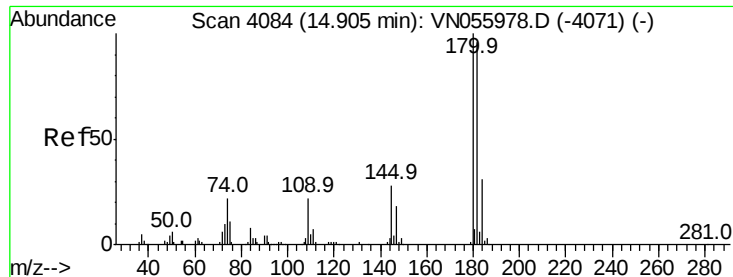
MMDadoda
 6/10/2019 11:25:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.429 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	50.0	150.1
157	134.5	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 43.533 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

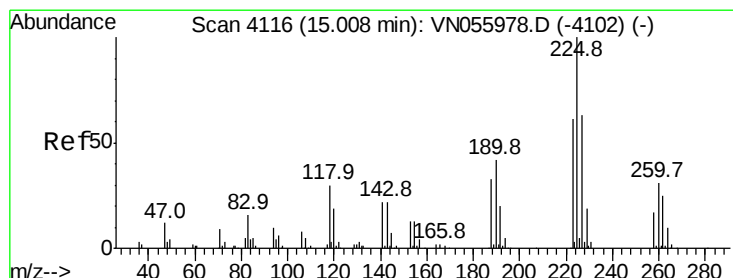
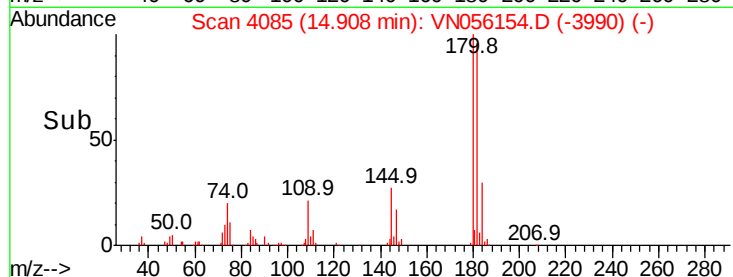
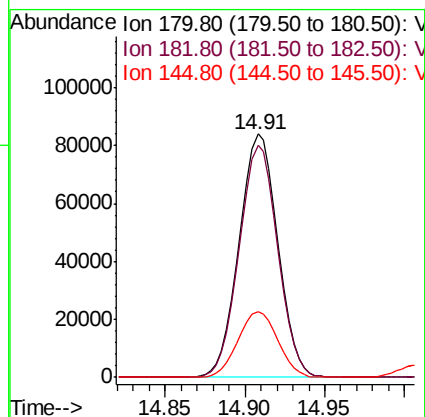
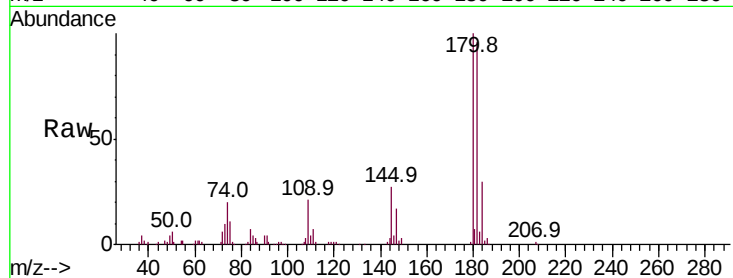
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	138020
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.3	144.9
145	27.8	14.0	41.9

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#94

Hexachlorobutadiene

Concen: 53.534 ug/l

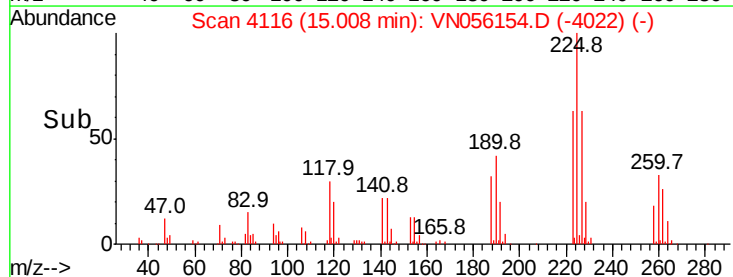
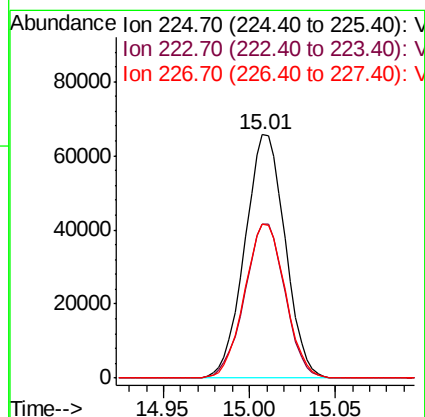
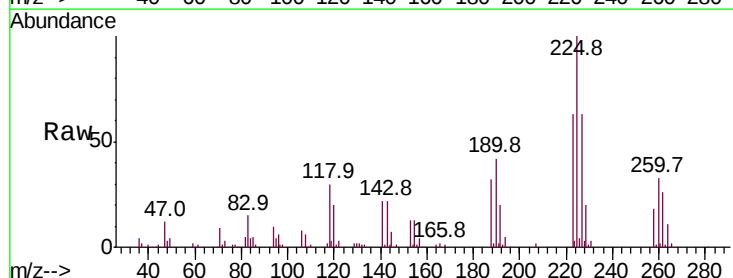
RT: 15.01 min Scan# 4116

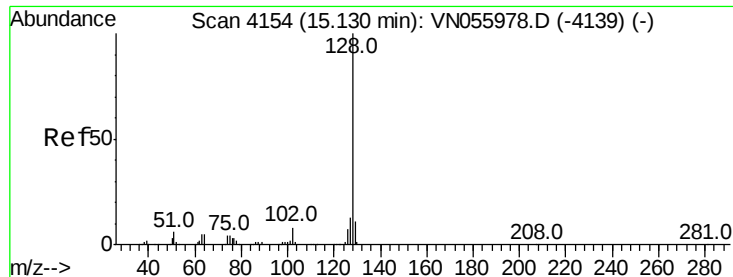
Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion:	225	Resp:	106828
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.7
227	63.6	31.6	94.7





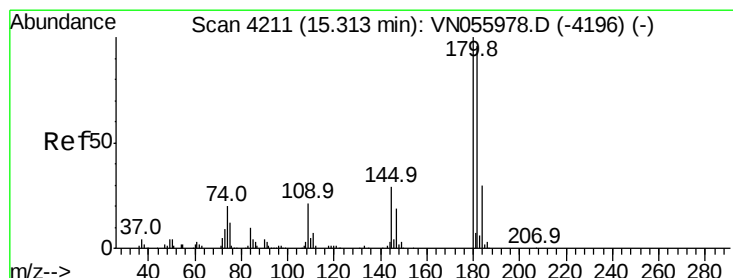
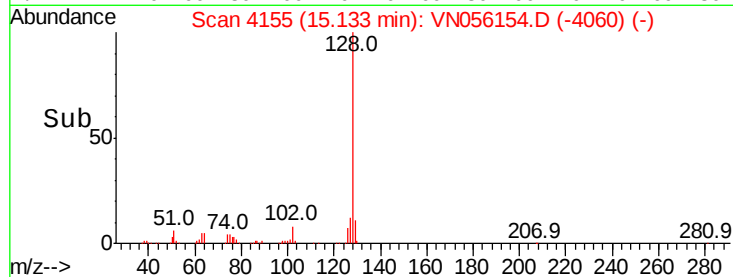
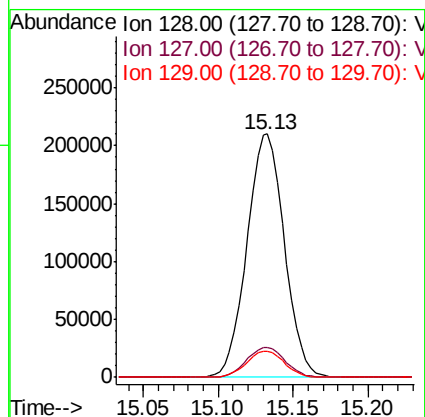
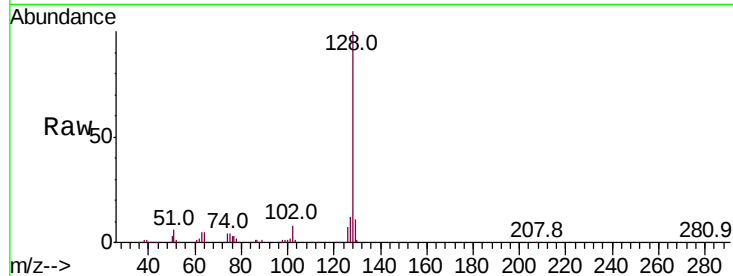
#95
Naphthalene
Concen: 44.265 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.396 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.8	14.9	44.7

