

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057553.D
 Acq On : 29 Aug 2019 16:39
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:42 AM

Quant Time: Aug 29 17:42:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	476353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	736678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	721844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	364790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	375212	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	7.58	113	321981	60.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.66%	
50) Toluene-d8	10.08	98	1278429	63.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.32%	
62) 4-Bromofluorobenzene	12.40	95	433521	63.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	260110	46.772	ug/l	94
3) Chloromethane	2.06	50	248727	32.632	ug/l	99
4) Vinyl Chloride	2.18	62	379037	39.970	ug/l	98
5) Bromomethane	2.55	94	329072	52.781	ug/l	99
6) Chloroethane	2.69	64	249388	40.515	ug/l	99
7) Trichlorofluoromethane	3.01	101	786626	50.860	ug/l	98
8) Diethyl Ether	3.40	74	247696	43.456	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.74	101	461284	53.093	ug/l #	84
10) Methyl Iodide	3.93	142	785792	96.823	ug/l	93
11) Tert butyl alcohol	4.80	59	178535	180.046	ug/l	98
12) 1,1-Dichloroethene	3.72	96	444508	53.210	ug/l #	74
13) Acrolein	3.59	56	153693	178.618	ug/l	98
14) Allyl chloride	4.30	41	323970	29.301	ug/l #	85
15) Acrylonitrile	4.98	53	474650	177.496	ug/l	99
16) Acetone	3.81	43	787484	198.620	ug/l	93
17) Carbon Disulfide	4.02	76	584811	38.750	ug/l	100
18) Methyl Acetate	4.31	43	225470	24.055	ug/l #	86
19) Methyl tert-butyl Ether	5.03	73	843733	43.465	ug/l #	88
20) Methylene Chloride	4.53	84	261978	41.984	ug/l #	81
21) trans-1,2-Dichloroethene	5.02	96	270050	46.823	ug/l #	82
22) Diisopropyl ether	5.94	45	726529	33.307	ug/l #	90
23) Vinyl Acetate	5.88	43	2973378	173.627	ug/l #	88
24) 1,1-Dichloroethane	5.83	63	471083	39.607	ug/l	97
25) 2-Butanone	6.83	43	619721	157.099	ug/l #	78
26) 2,2-Dichloropropane	6.81	77	490099	46.226	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	334081	48.652	ug/l	81
28) Bromochloromethane	7.18	49	204122	33.259	ug/l #	50
29) Tetrahydrofuran	7.20	42	377489	146.557	ug/l #	68
30) Chloroform	7.36	83	575208	45.119	ug/l	100
31) Cyclohexane	7.64	56	417302	37.122	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	542194	50.832	ug/l #	93
36) 1,1-Dichloropropene	7.78	75	403528	52.266	ug/l	94
37) Ethyl Acetate	6.92	43	260201	36.470	ug/l #	91
38) Carbon Tetrachloride	7.76	117	476888	60.288	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	519204	56.066	ug/l #	84
40) Benzene	8.03	78	1230555	52.988	ug/l	99
41) Methacrylonitrile	7.16	41	108926	32.275	ug/l #	79
42) 1,2-Dichloroethane	8.11	62	433003	49.089	ug/l	97
43) Isopropyl Acetate	8.16	43	493933	37.534	ug/l #	90
44) Trichloroethene	8.83	130	340676	63.290	ug/l	85
45) 1,2-Dichloropropane	9.11	63	286255	45.038	ug/l	98
46) Dibromomethane	9.20	93	224618	53.463	ug/l #	87
47) Bromodichloromethane	9.40	83	470763	54.165	ug/l	100
48) Methyl methacrylate	9.19	41	227689	36.604	ug/l #	79
49) 1,4-Dioxane	9.20	88	83231	977.271	ug/l #	77
51) 4-Methyl-2-Pentanone	9.98	43	1368460	187.227	ug/l #	87
52) Toluene	10.15	92	835975	60.818	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	478230	52.954	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	511650	51.106	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	320844	57.994	ug/l	93
56) Ethyl methacrylate	10.43	69	429746	51.282	ug/l #	78
57) 1,3-Dichloropropane	10.70	76	500936	53.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	555450	280.335	ug/l #	82
59) 2-Hexanone	10.75	43	959325	190.989	ug/l	86
60) Dibromochloromethane	10.90	129	383946	64.235	ug/l	100
61) 1,2-Dibromoethane	11.00	107	342921	62.568	ug/l	97
64) Tetrachloroethene	10.63	164	343542	63.292	ug/l	95
65) Chlorobenzene	11.43	112	913000	59.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	361638	60.936	ug/l	98
67) Ethyl Benzene	11.51	91	1650134	56.426	ug/l	95
68) m/p-Xylenes	11.62	106	1284282	126.379	ug/l	89
69) o-Xylene	11.95	106	621135	61.966	ug/l	93
70) Styrene	11.96	104	1019084	64.120	ug/l	94
71) Bromoform	12.13	173	257030	63.756	ug/l #	100
73) Isopropylbenzene	12.25	105	1678675	41.153	ug/l	98
74) N-amyl acetate	12.07	43	404465	23.167	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.50	83	399614	34.157	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	340149m	37.605	ug/l	
77) Bromobenzene	12.53	156	400081	48.289	ug/l	71
78) n-propylbenzene	12.59	91	1793023	41.747	ug/l	94
79) 2-Chlorotoluene	12.67	91	1064758	41.602	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	1453798	44.997	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	117973	34.312	ug/l	87
82) 4-Chlorotoluene	12.77	91	1056332	43.180	ug/l	91
83) tert-Butylbenzene	12.99	119	1250355	43.315	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	1418304	49.482	ug/l	98
85) sec-Butylbenzene	13.17	105	1624429	46.170	ug/l	97
86) p-Isopropyltoluene	13.29	119	1463618	50.404	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	667638	54.832	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	634867	53.486	ug/l	95
89) n-Butylbenzene	13.62	91	1124094	46.735	ug/l	97
90) Hexachloroethane	13.88	117	266127	40.461	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	643438	55.408	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65431	34.746	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223890	52.711	ug/l	98
94) Hexachlorobutadiene	15.01	225	183262	50.610	ug/l	98
95) Naphthalene	15.13	128	653794	47.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	217187	49.352	ug/l	98

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

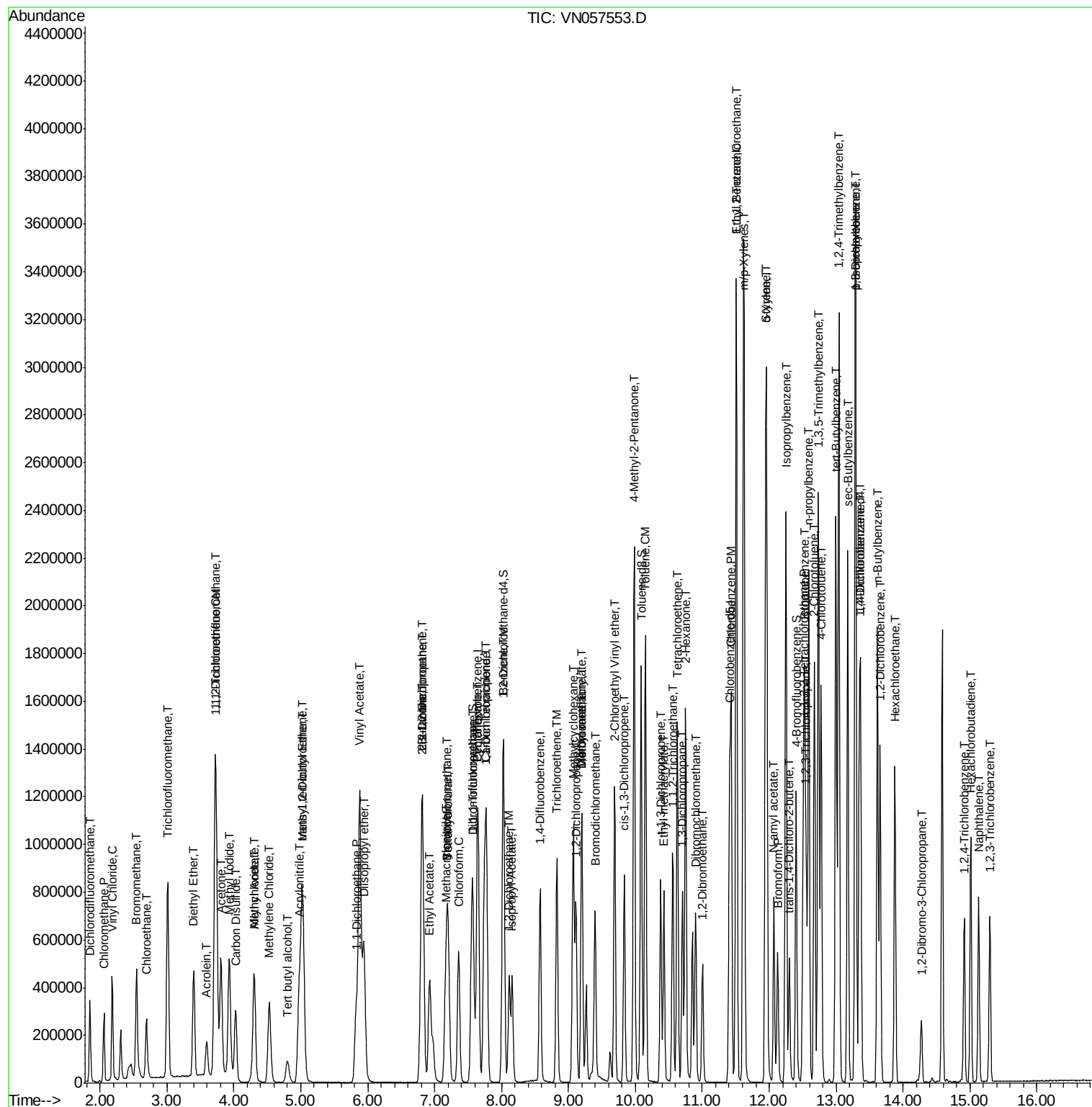
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Data File : VN057553.D
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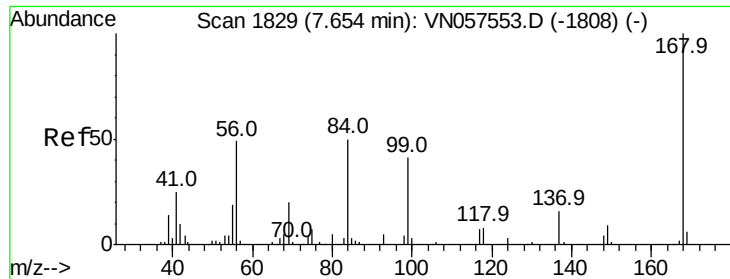
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 476353

Ion Ratio Lower Upper

168 100

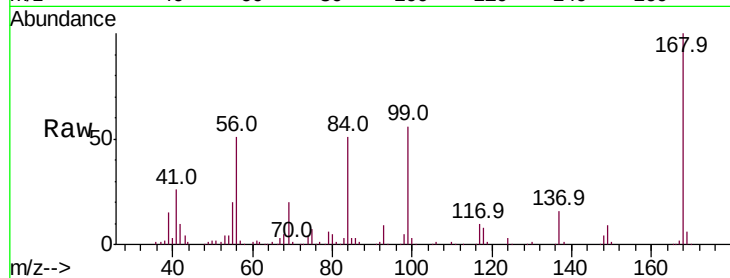
99 55.8 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

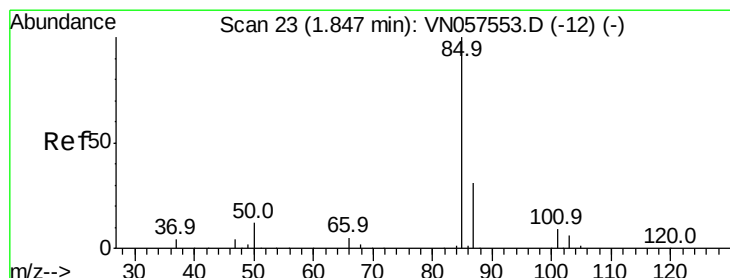
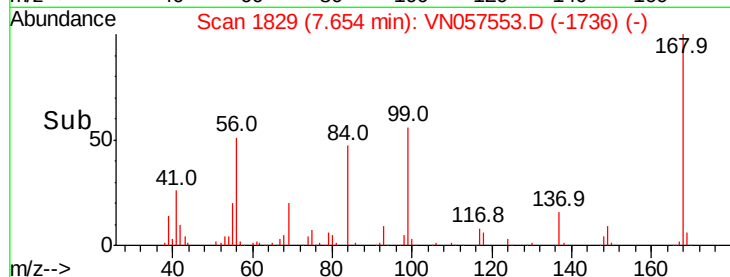
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.772 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057553.D

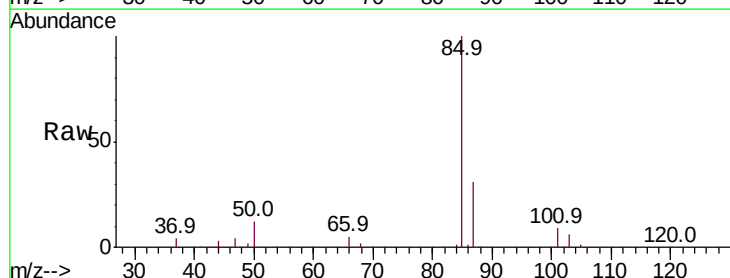
Acq: 29 Aug 2019 16:39

Tgt Ion: 85 Resp: 260110

Ion Ratio Lower Upper

85 100

87 30.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

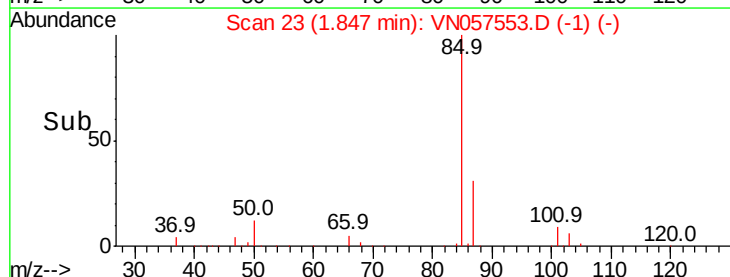
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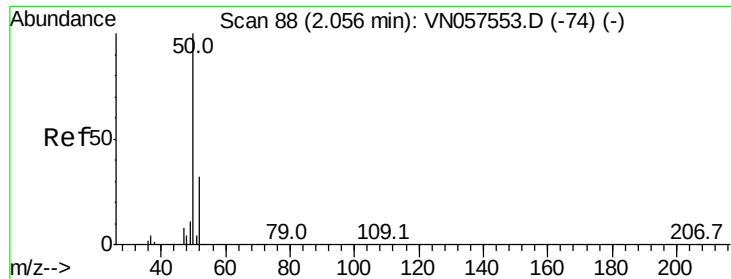
100000

50000

0

Time-->





#3

Chloromethane

Concen: 32.632 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 248727

Ion Ratio Lower Upper

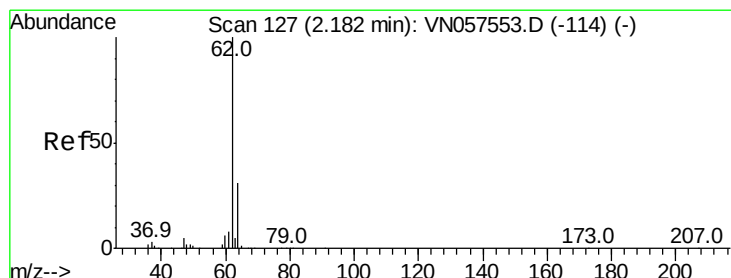
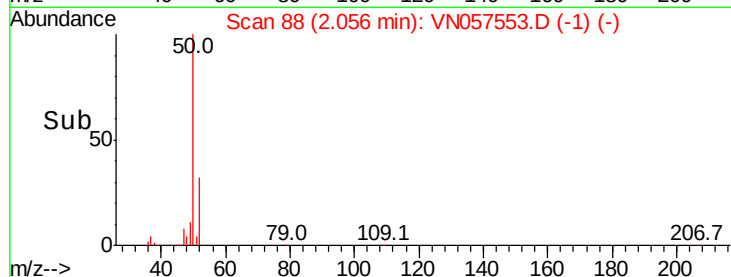
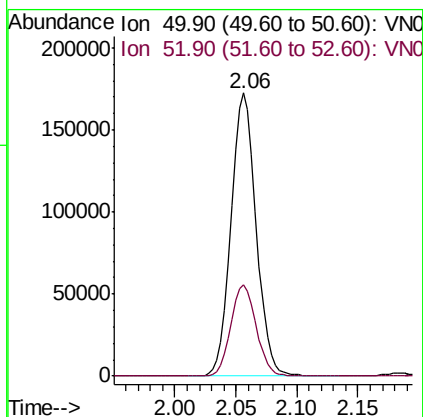
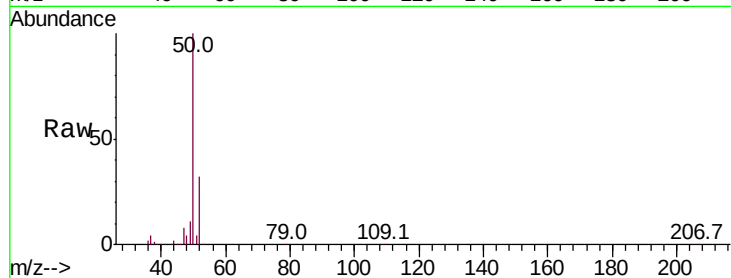
50 100

52 32.1 25.1 37.7

Manual Integrations
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9/3/2019 2:38:42 AM



#4

Vinyl Chloride

Concen: 39.970 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057553.D

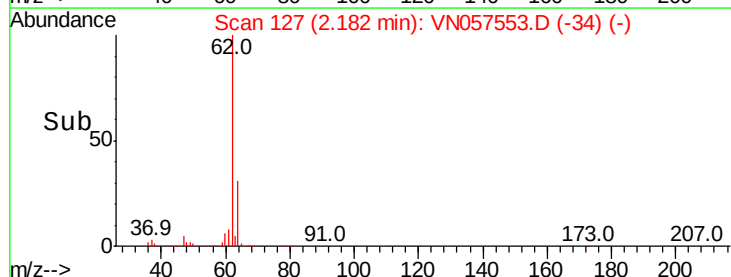
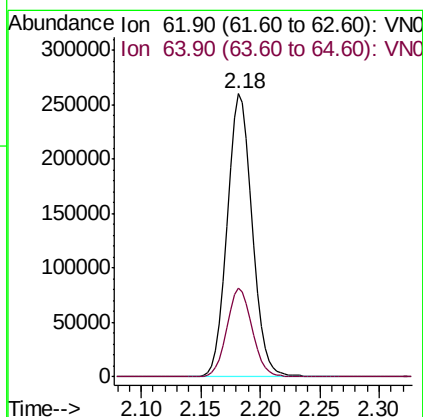
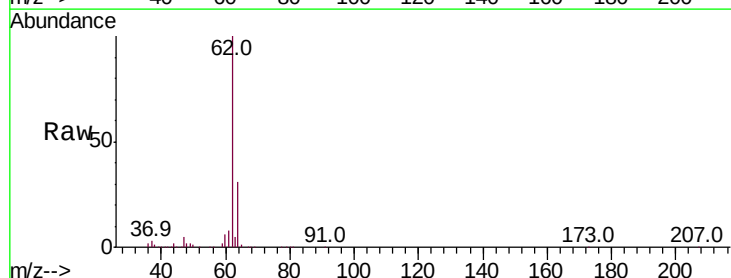
Acq: 29 Aug 2019 16:39

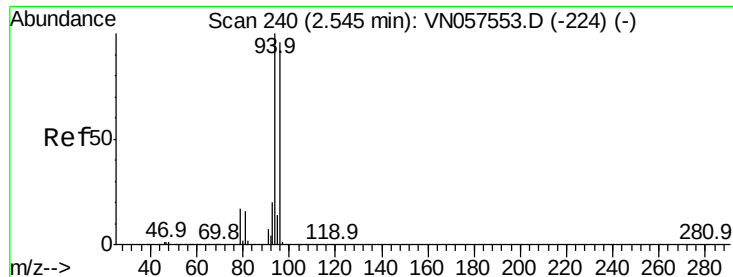
Tgt Ion: 62 Resp: 379037

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 52.781 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 329072

Ion Ratio Lower Upper

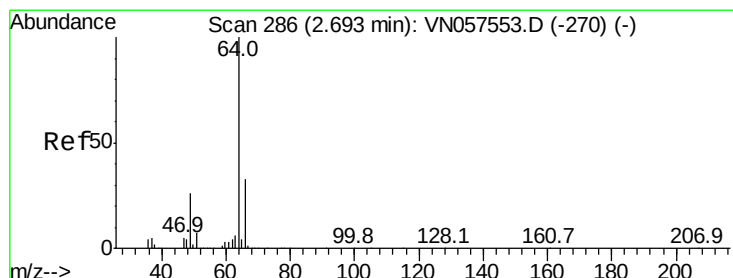
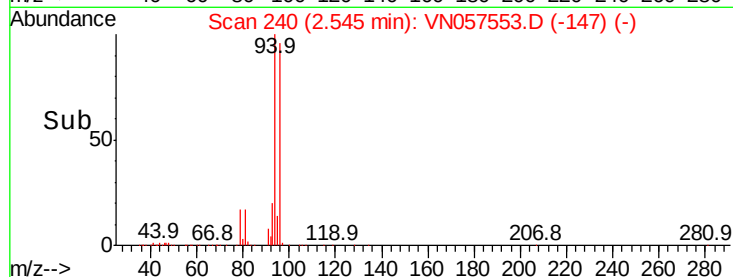
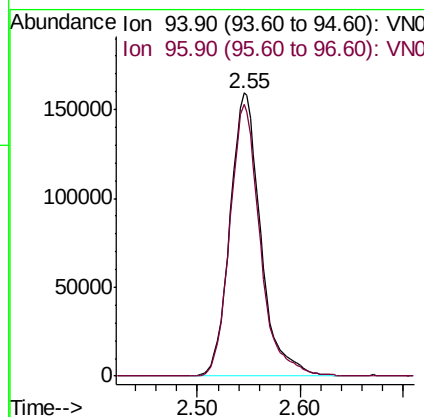
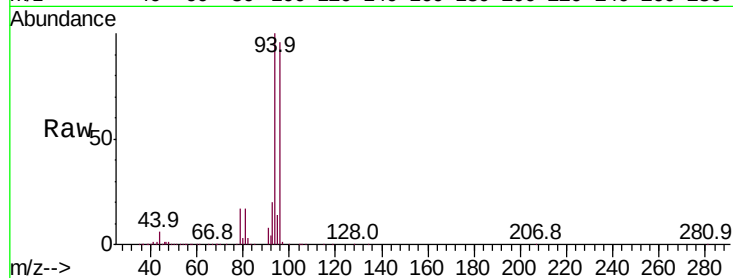
94 100

96 96.1 76.2 114.4

Manual Integrations
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9/3/2019 2:38:42 AM



#6

Chloroethane

Concen: 40.515 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057553.D

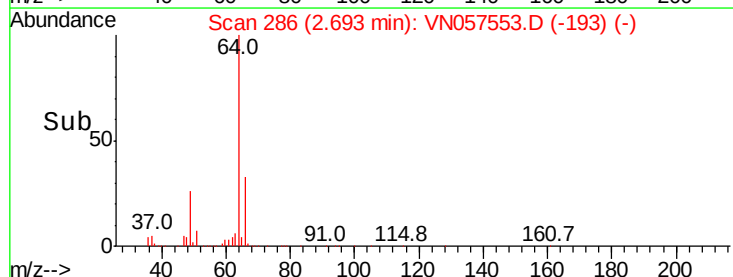
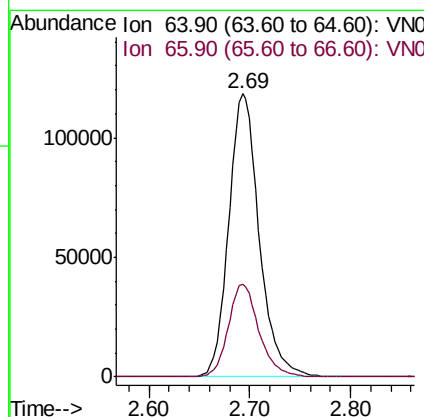
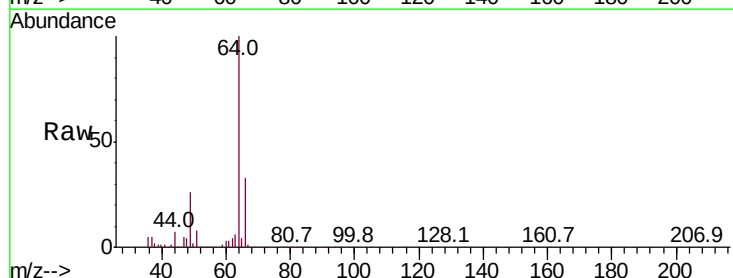
Acq: 29 Aug 2019 16:39

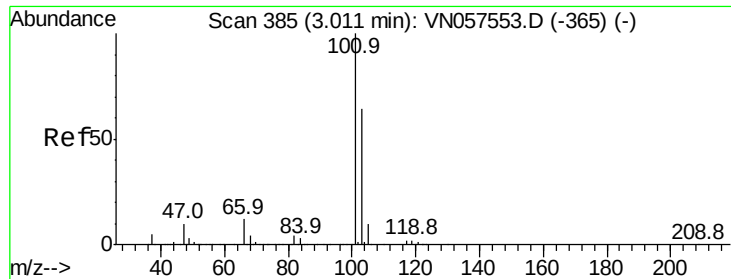
Tgt Ion: 64 Resp: 249388

Ion Ratio Lower Upper

64 100

66 32.8 26.8 40.2





#7

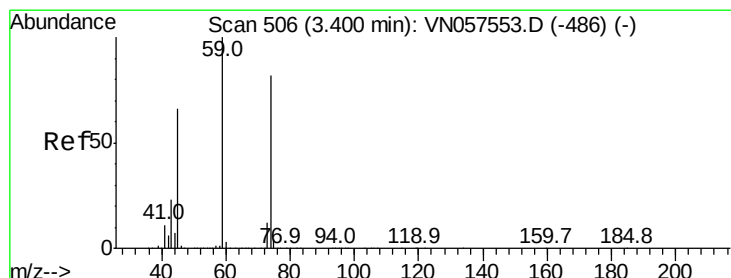
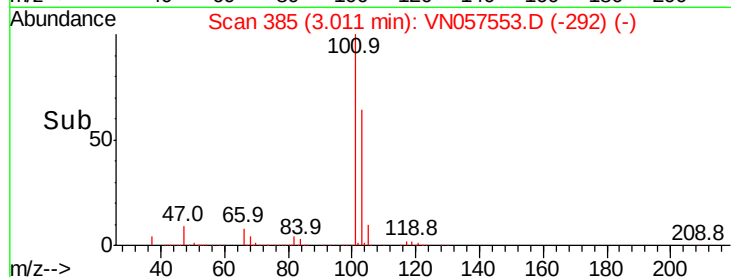
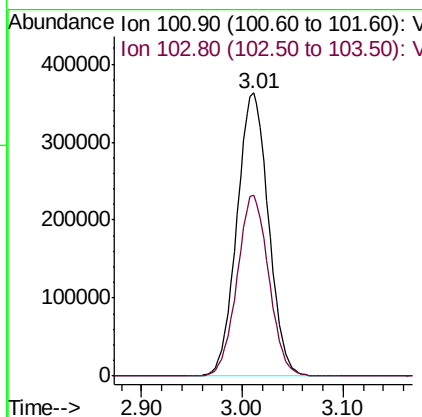
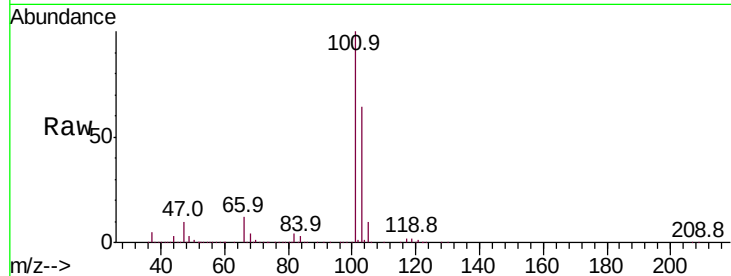
Trichlorofluoromethane
Concen: 50.860 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.6	78.8

Manual Integrations
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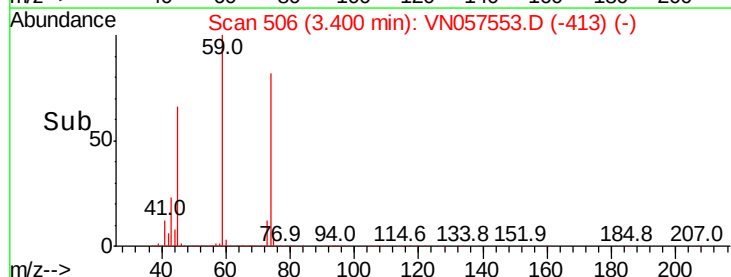
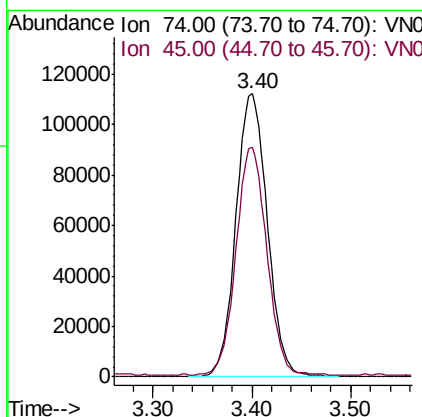
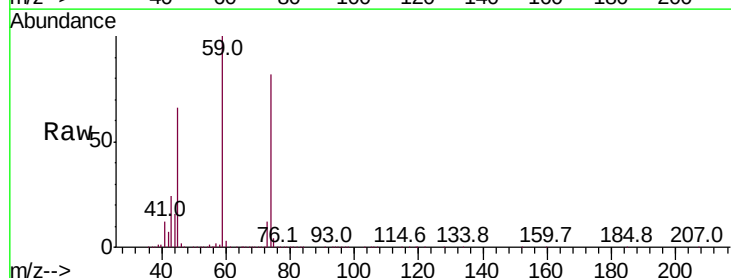
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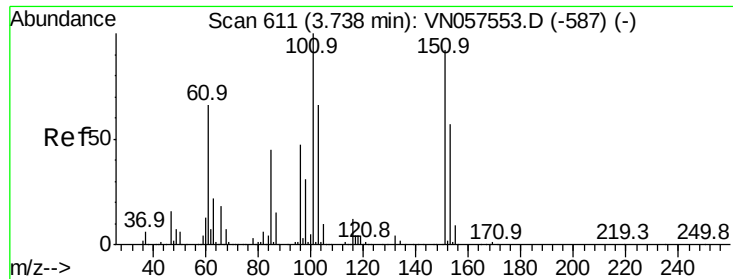


#8

Diethyl Ether
Concen: 43.456 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.1	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.093 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057553.D

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Instrument :

MSVOA_N

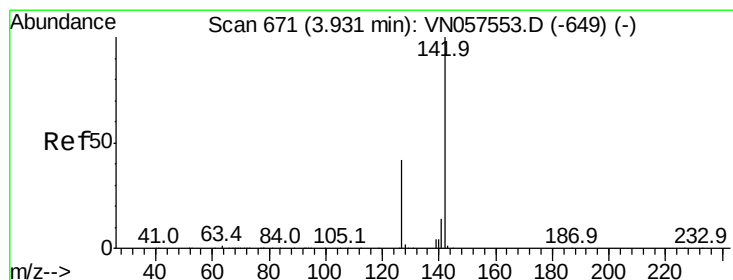
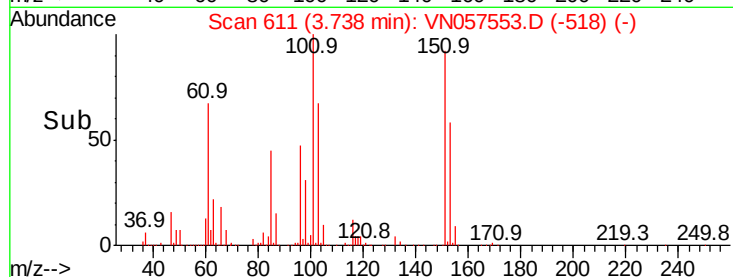
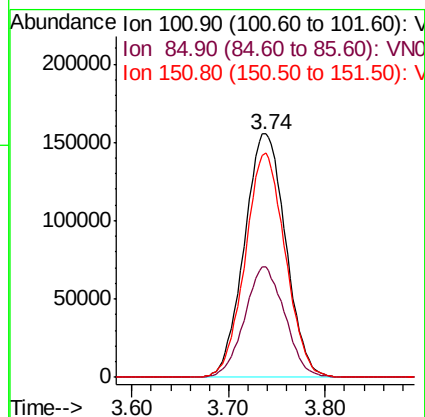
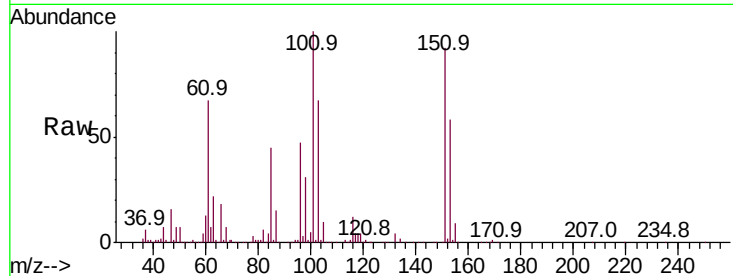
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	461284
Ion Ratio	Lower	Upper	
101	100		
85	44.2	40.0	60.0
151	89.4	57.0	85.6#

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#10

Methyl Iodide

Concen: 96.823 ug/l

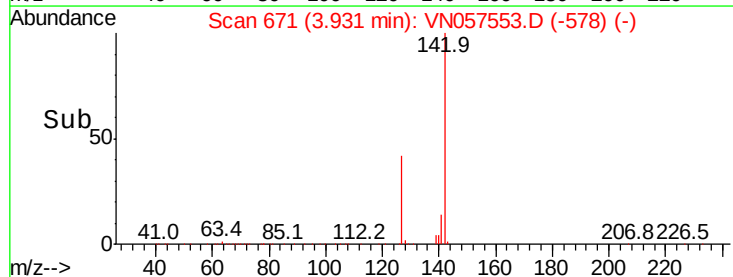
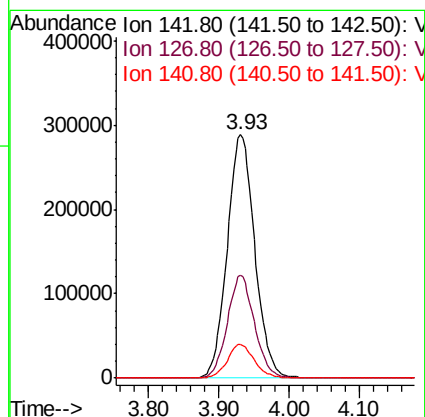
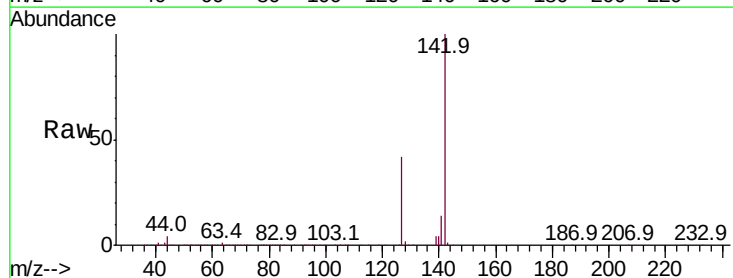
RT: 3.93 min Scan# 671

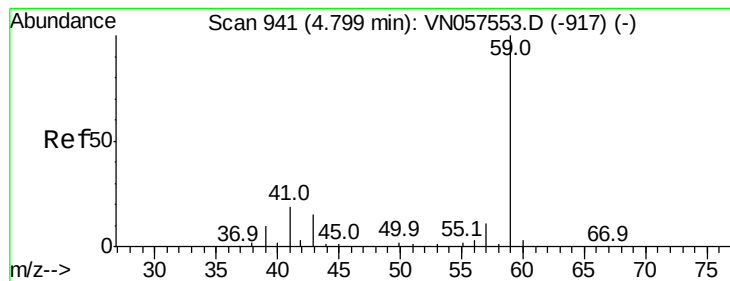
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion:	142	Resp:	785792
Ion Ratio	Lower	Upper	
142	100		
127	41.6	37.8	56.8
141	13.7	11.9	17.9





#11

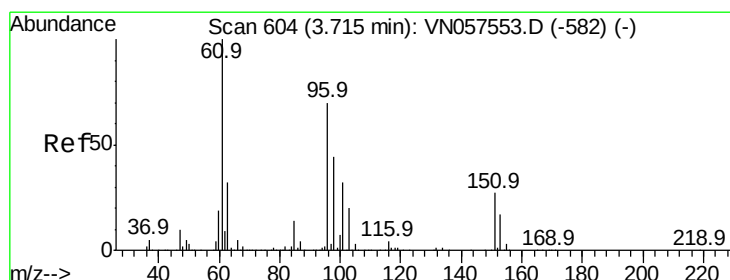
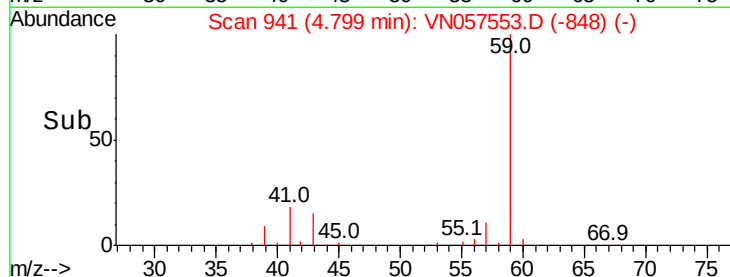
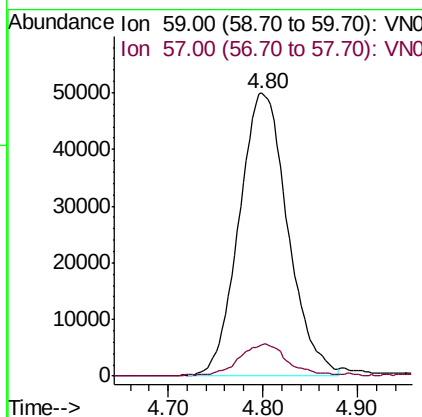
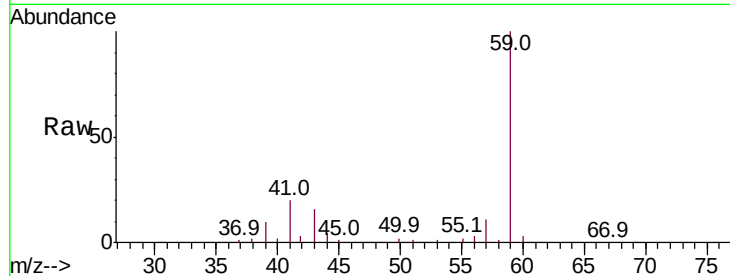
Tert butyl alcohol
 Concen: 180.046 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	178535	Lower	9.1	Upper	13.7
Ion	59	57	Ratio	100	10.5	Resp	178535	Lower	9.1	Upper	13.7

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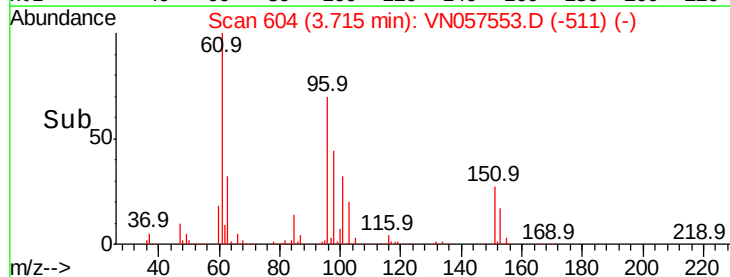
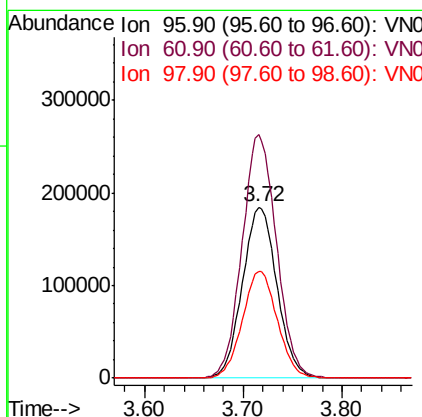
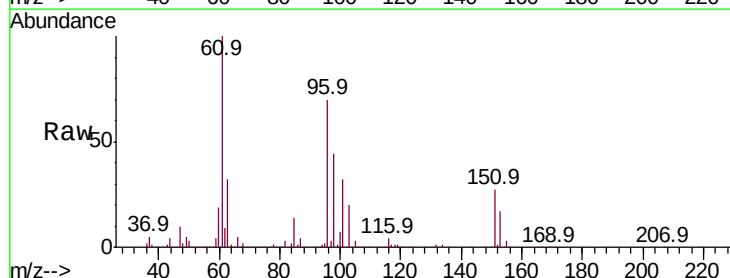
MMDadoda
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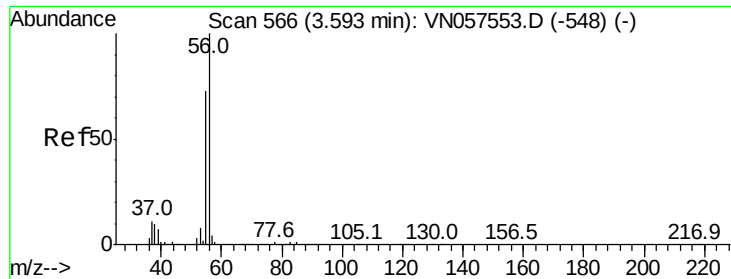


#12

1,1-Dichloroethene
 Concen: 53.210 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	96	61	98	Ratio	100	142.5	62.7	Resp	444508	Lower	155.3	Upper	232.9#	75.2
Ion	96	61	98	Ratio	100	142.5	62.7	Resp	444508	Lower	155.3	Upper	232.9#	75.2





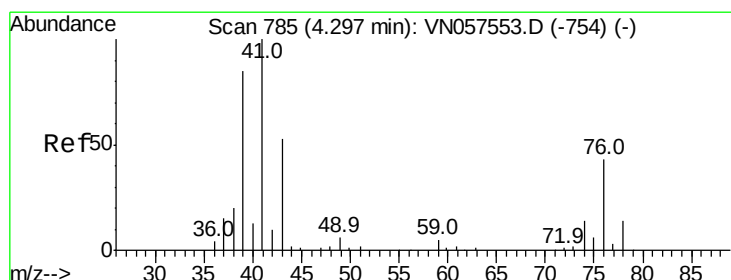
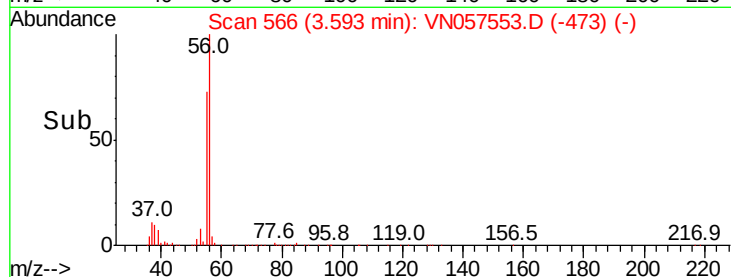
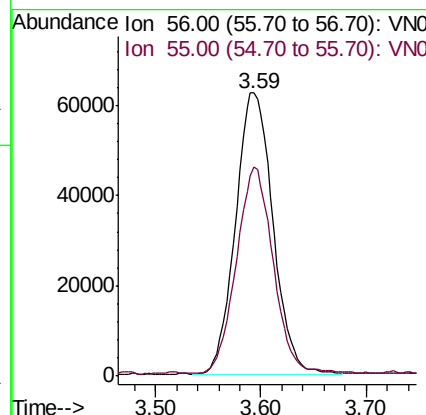
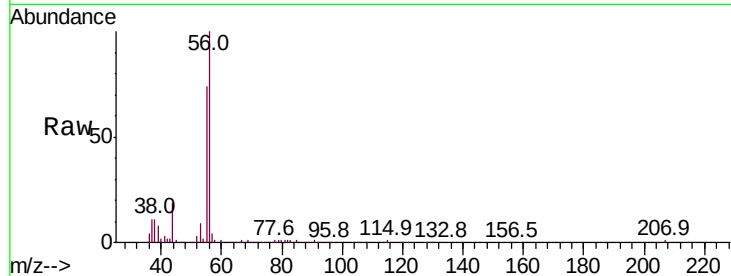
#13
Acrolein
Concen: 178.618 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	59.0	88.4

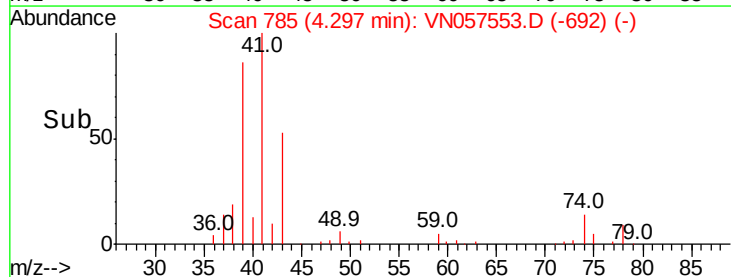
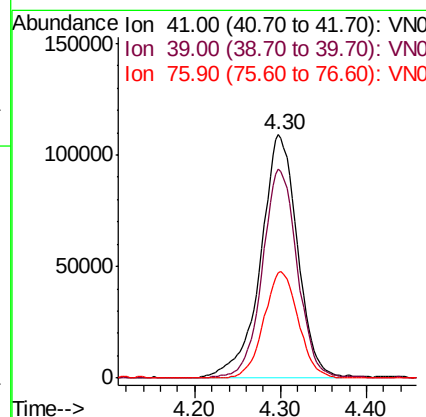
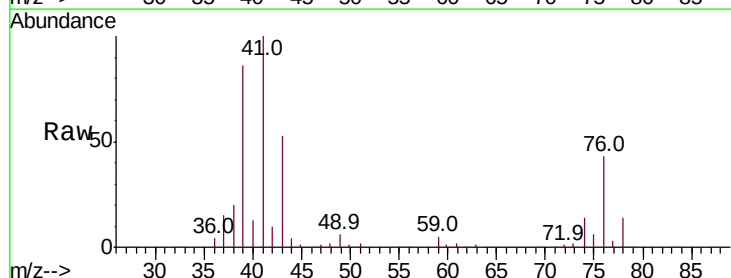
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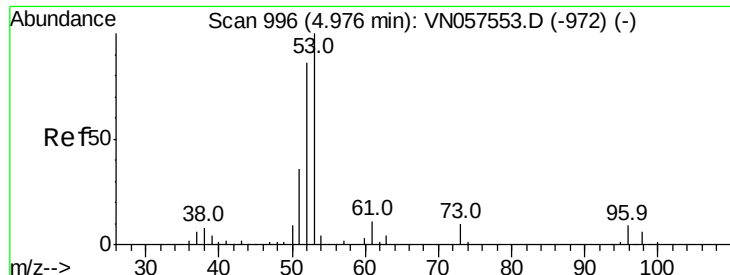
MMDadoda
9/3/2019 2:38:42 AM



#14
Allyl chloride
Concen: 29.301 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.4	57.4	86.2
76	41.1	22.9	34.3#





#15

Acrylonitrile

Concen: 177.496 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

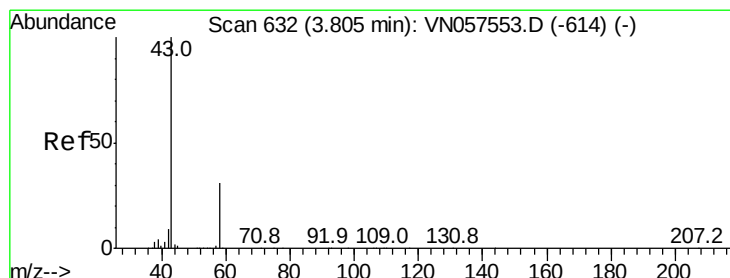
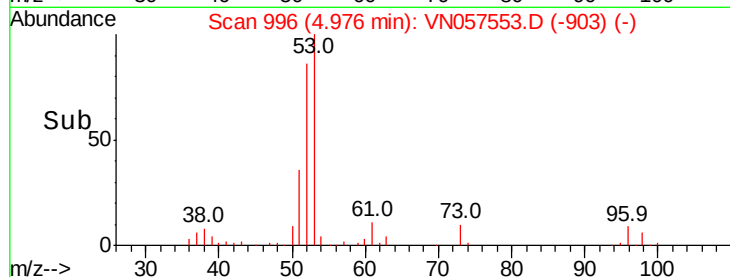
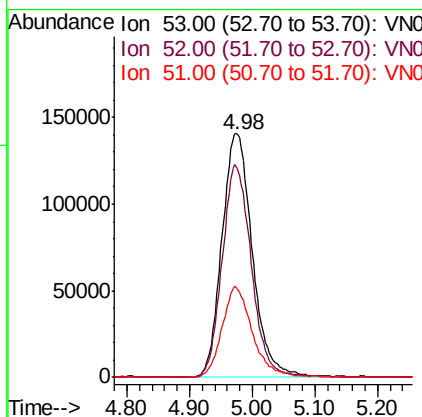
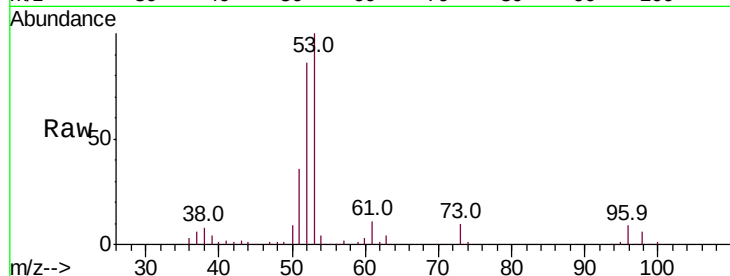
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	474650
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.6
51	36.8	29.9	44.9

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#16

Acetone

Concen: 198.620 ug/l

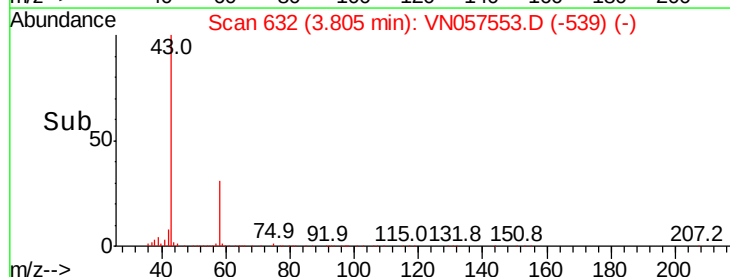
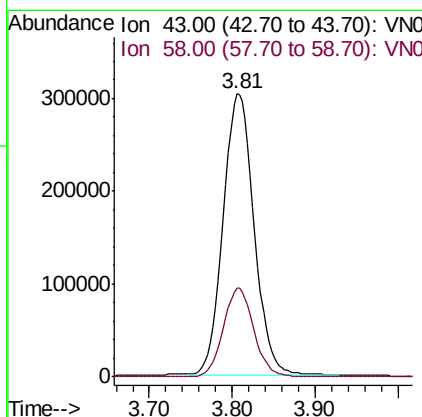
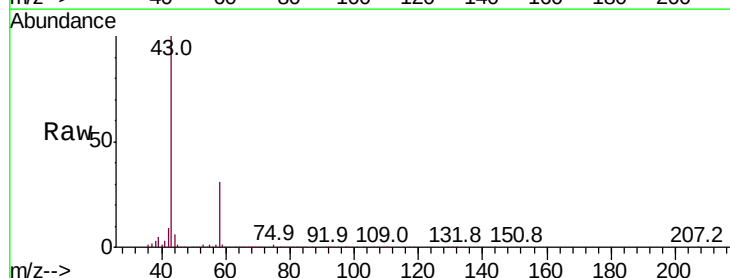
RT: 3.81 min Scan# 632

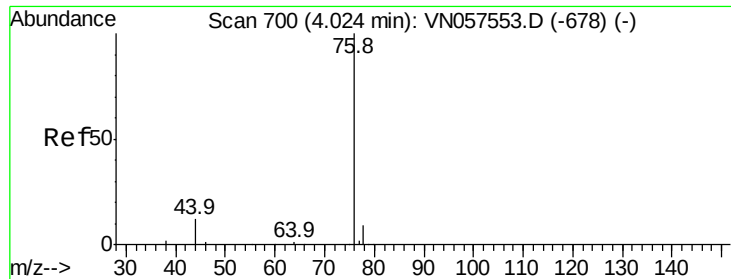
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion:	43	Resp:	787484
Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.1	33.1





#17

Carbon Disulfide

Concen: 38.750 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 584811

Ion Ratio Lower Upper

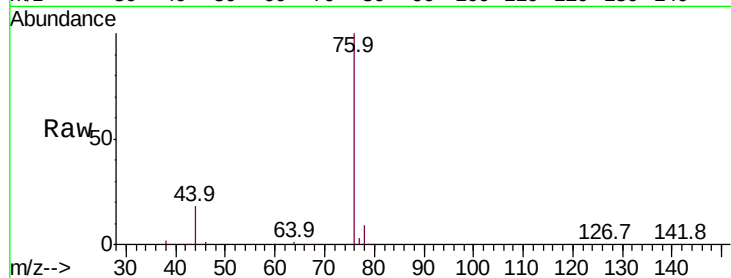
76 100

78 9.0 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

250000

200000

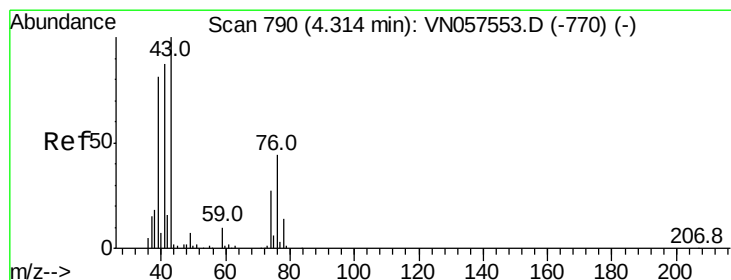
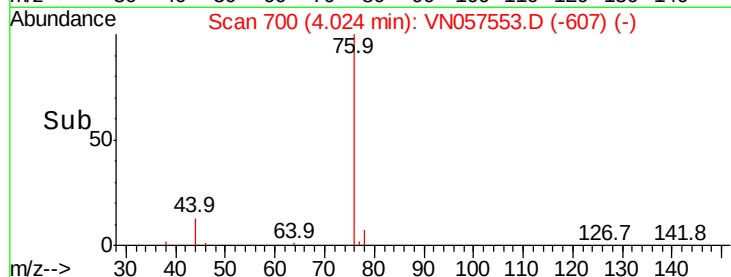
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.055 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057553.D

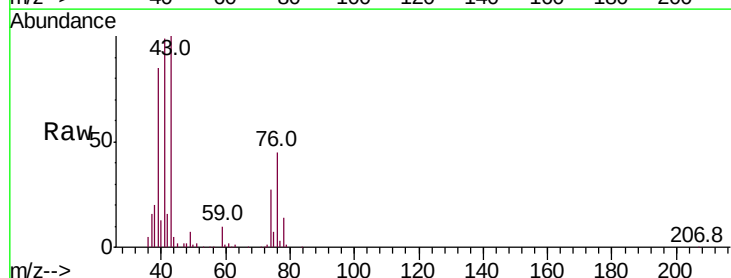
Acq: 29 Aug 2019 16:39

Tgt Ion: 43 Resp: 225470

Ion Ratio Lower Upper

43 100

74 26.4 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

80000

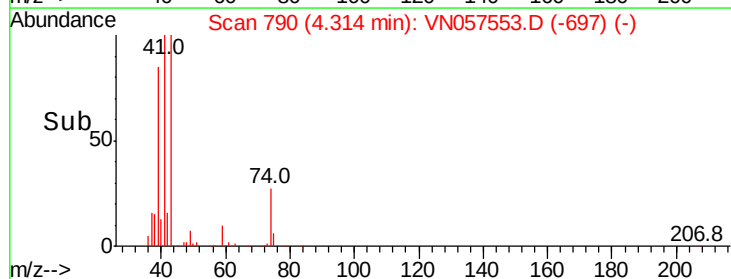
60000

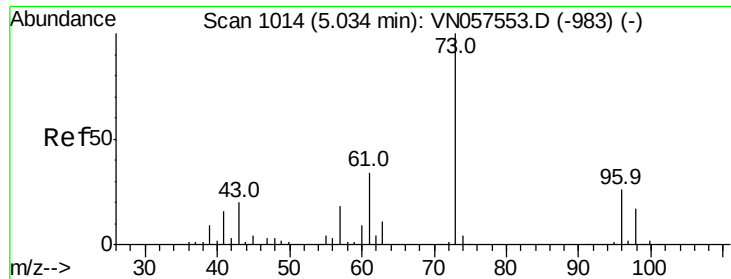
40000

20000

0

Time-->





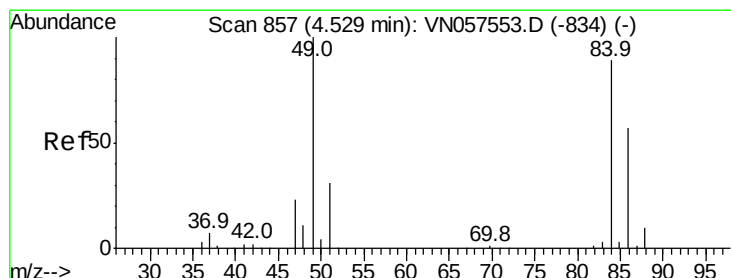
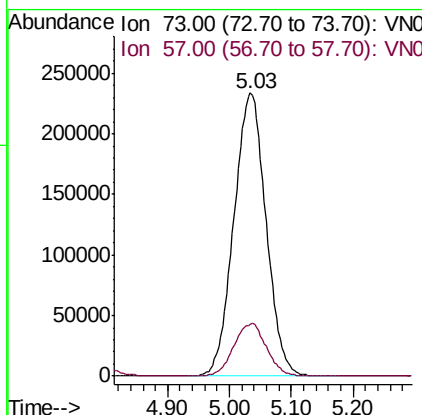
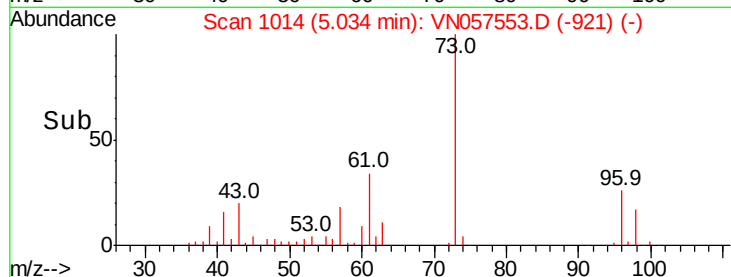
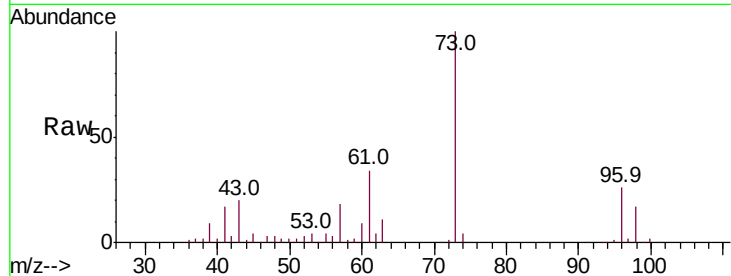
#19
Methyl tert-butyl Ether
Concen: 43.465 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 843733
Ion Ratio Lower Upper
73 100
57 18.2 19.1 28.7#

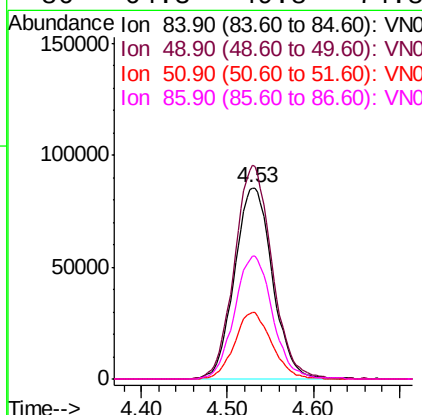
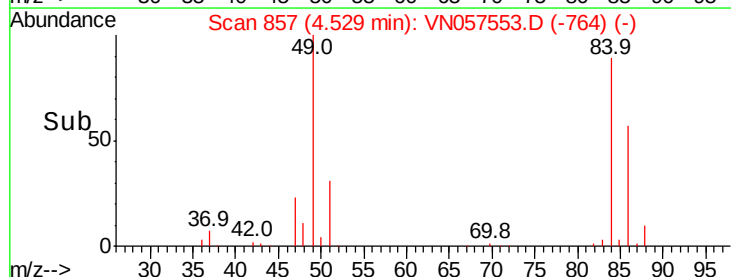
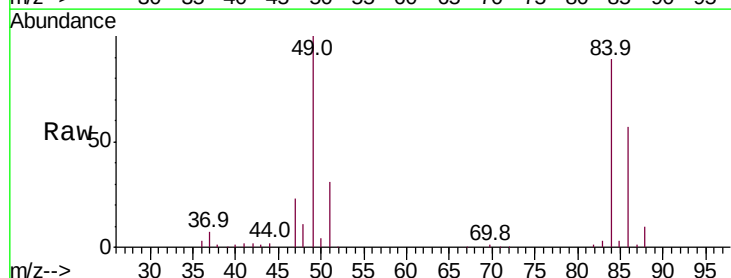
Manual Integrations
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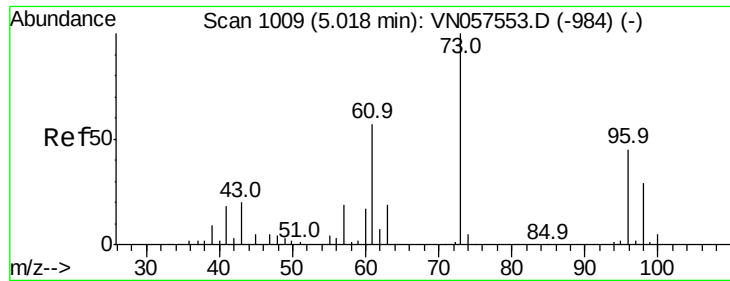
MMDadoda
9/3/2019 2:38:42 AM



#20
Methylene Chloride
Concen: 41.984 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 84 Resp: 261978
Ion Ratio Lower Upper
84 100
49 111.7 117.0 175.4#
51 34.8 35.5 53.3#
86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.823 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 270050

Ion Ratio Lower Upper

96 100

61 127.9 127.9 191.9#

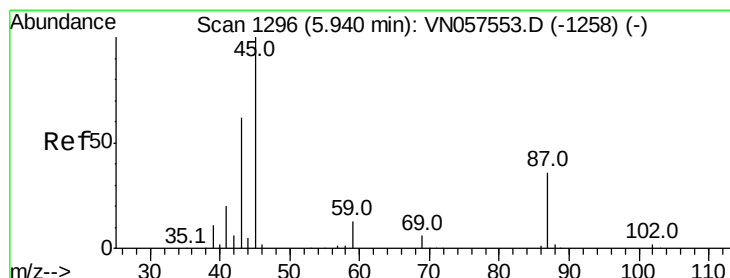
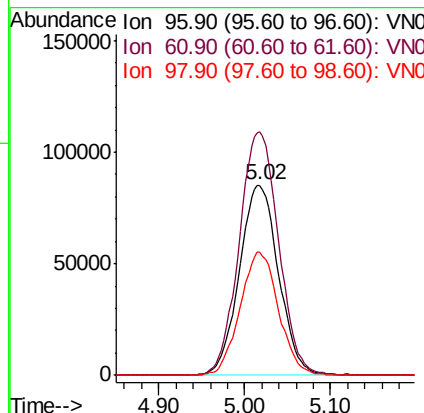
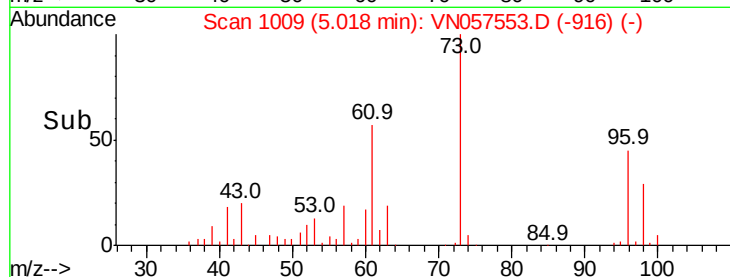
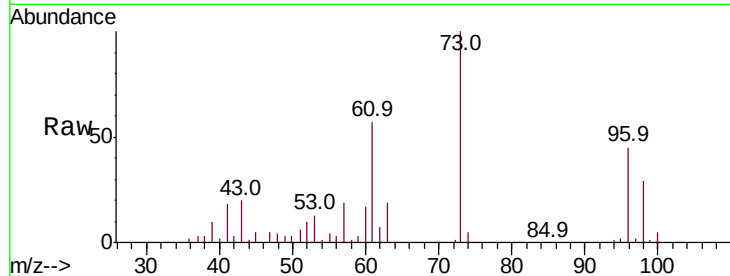
98 64.7 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 33.307 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion: 45 Resp: 726529

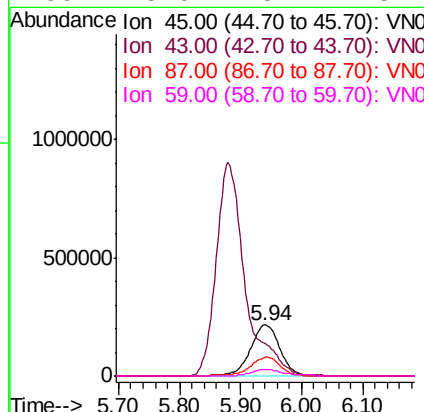
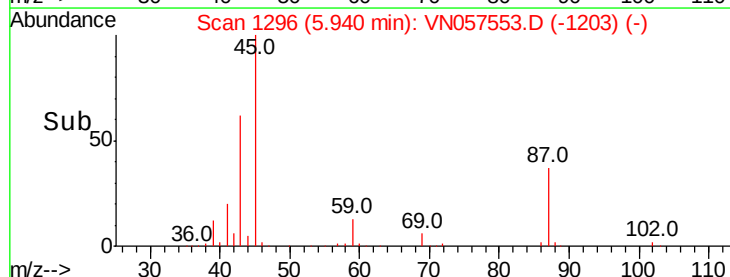
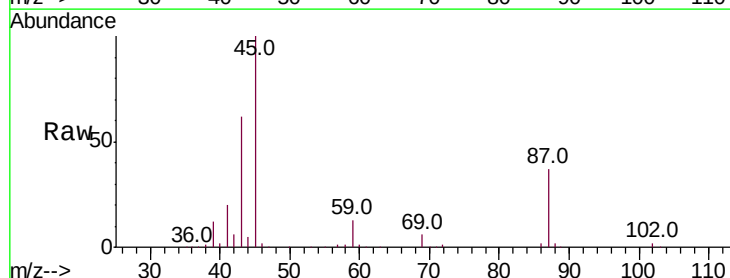
Ion Ratio Lower Upper

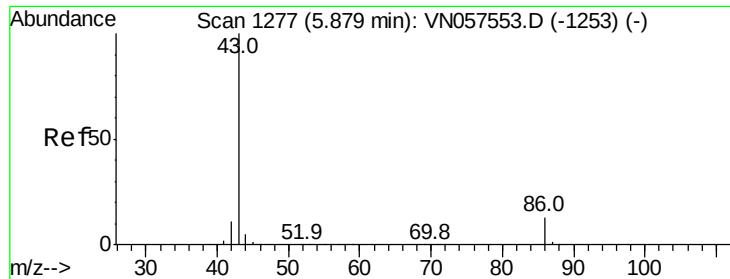
45 100

43 61.7 46.9 70.3

87 36.9 19.3 28.9#

59 13.0 8.7 13.1





#23

Vinyl Acetate

Concen: 173.627 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2973378

Ion Ratio Lower Upper

43 100

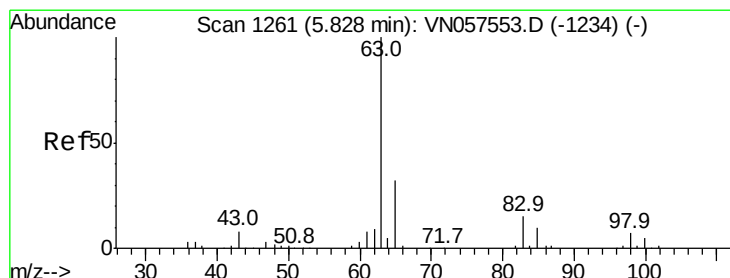
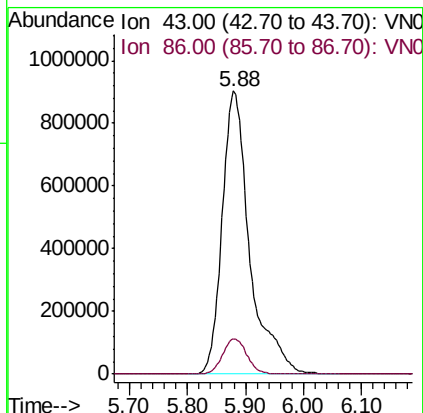
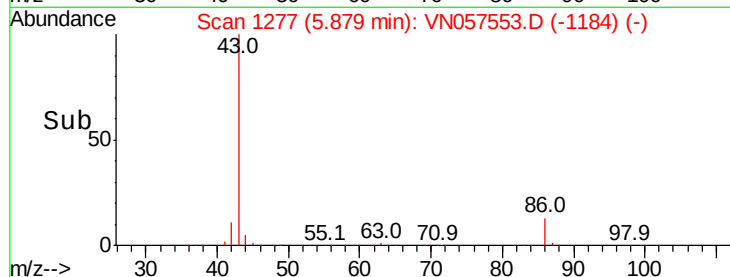
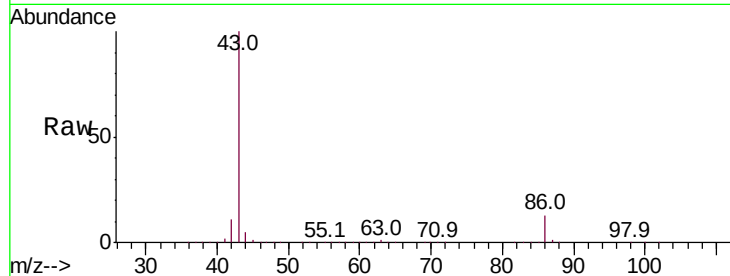
86 12.5 6.7 10.1#

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#24

1,1-Dichloroethane

Concen: 39.607 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

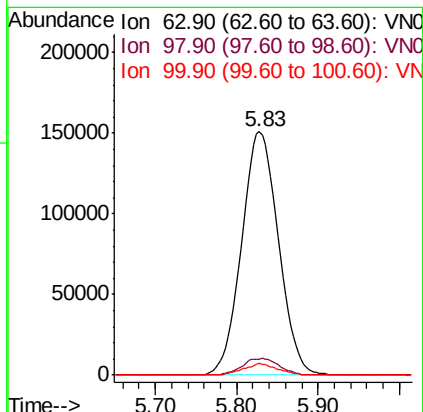
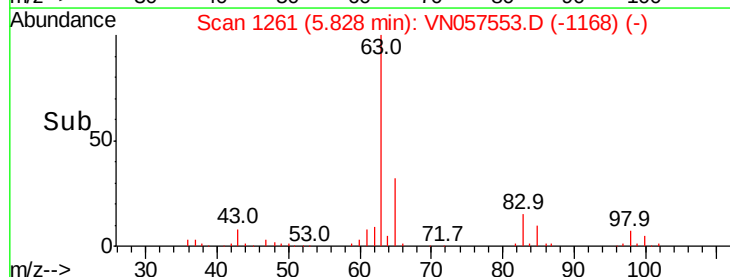
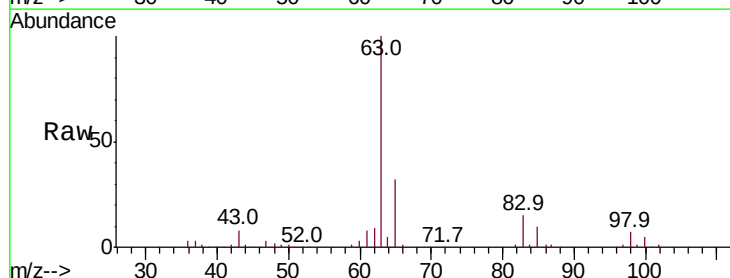
Tgt Ion: 63 Resp: 471083

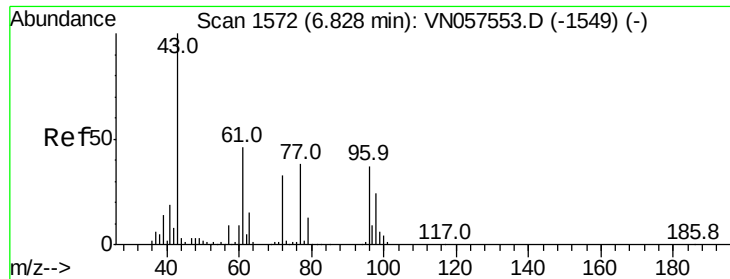
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.6

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 157.099 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 619721

Ion Ratio Lower Upper

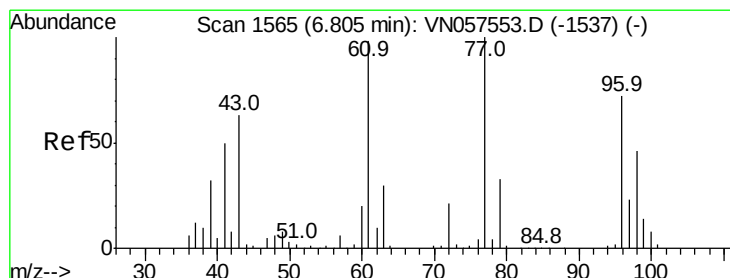
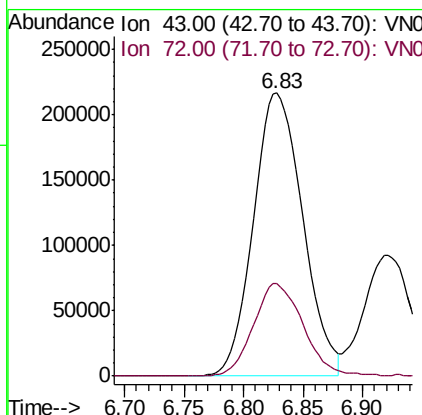
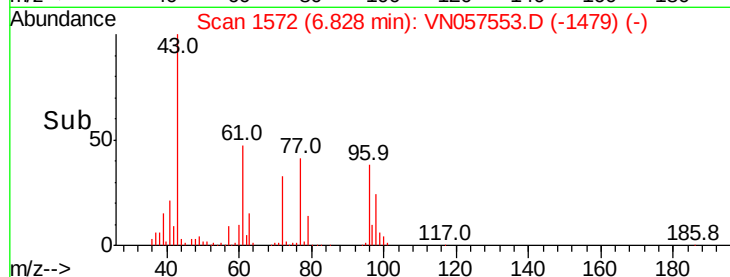
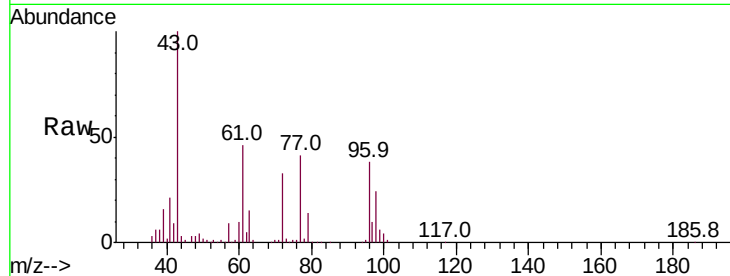
43 100

72 32.7 17.8 26.8#

Manual Integrations
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MMDadoda

9/3/2019 2:38:42 AM



#26

2,2-Dichloropropane

Concen: 46.226 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057553.D

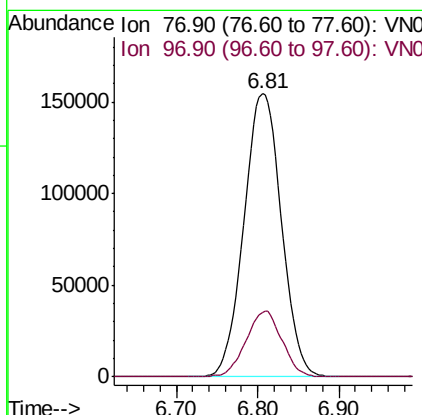
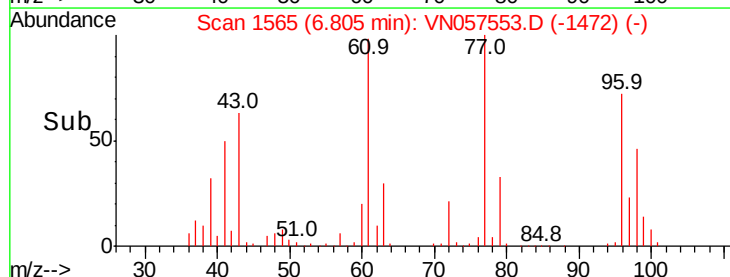
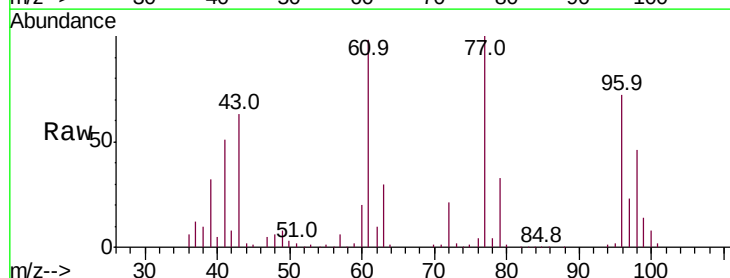
Acq: 29 Aug 2019 16:39

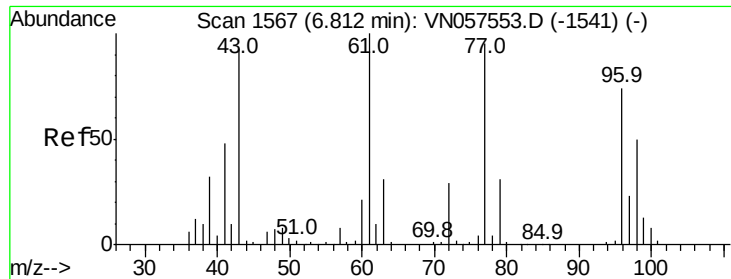
Tgt Ion: 77 Resp: 490099

Ion Ratio Lower Upper

77 100

97 22.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.652 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

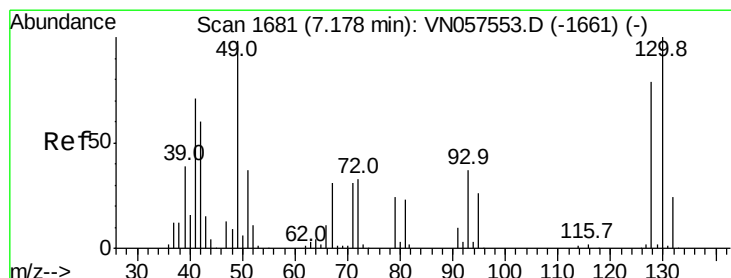
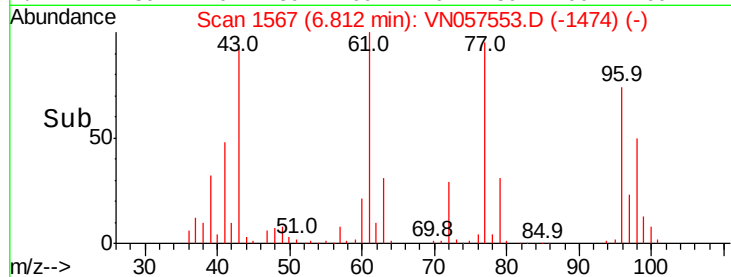
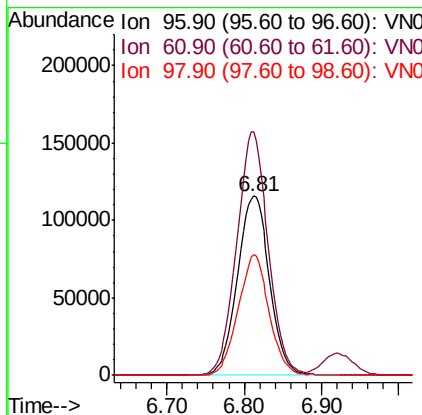
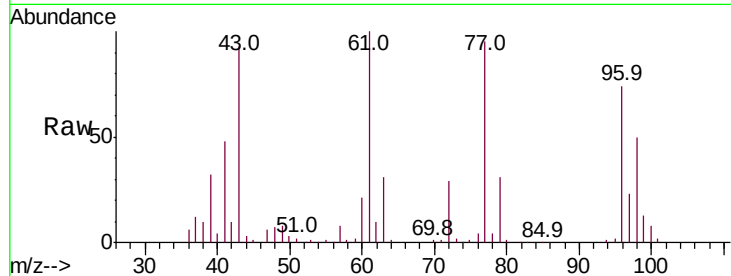
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	334081
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	334.8
98	64.8	0.0	127.4

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#28

Bromochloromethane

Concen: 33.259 ug/l

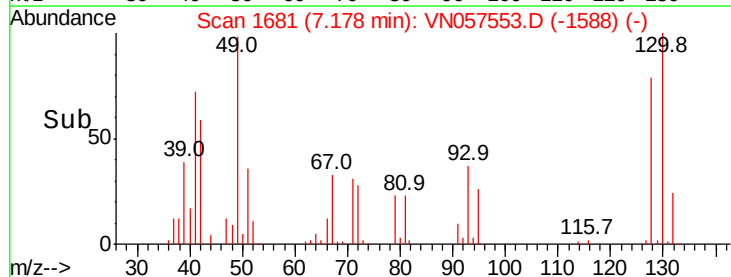
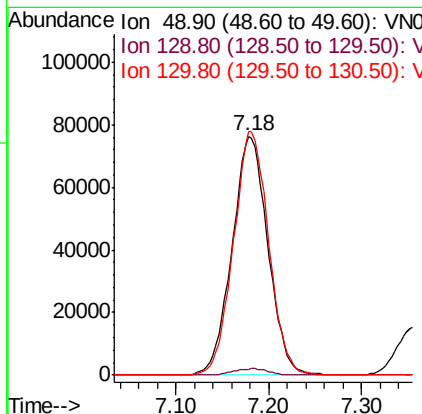
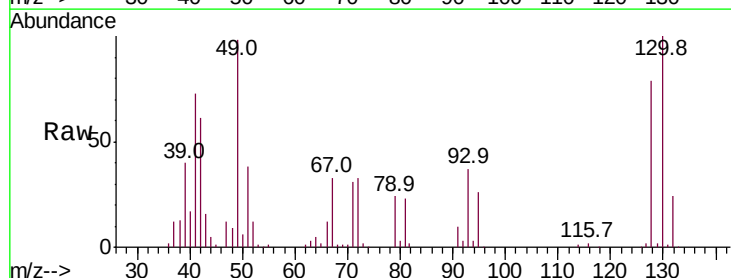
RT: 7.18 min Scan# 1681

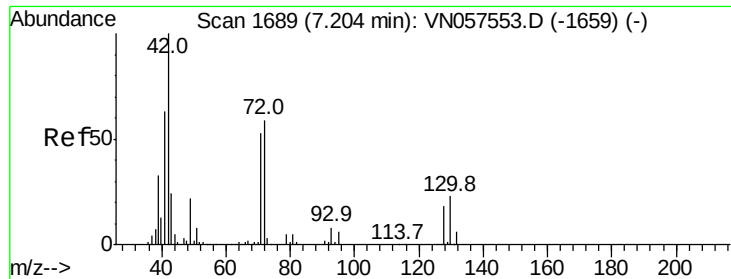
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion:	49	Resp:	204122
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.6
130	100.0	48.6	72.8#





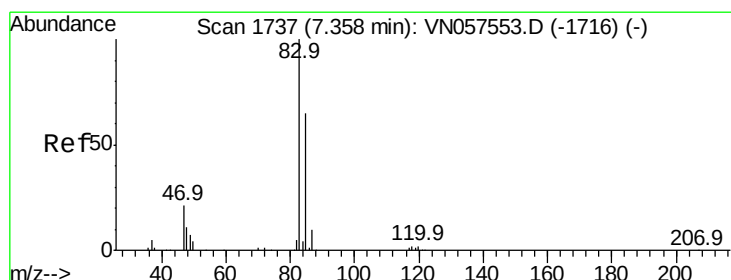
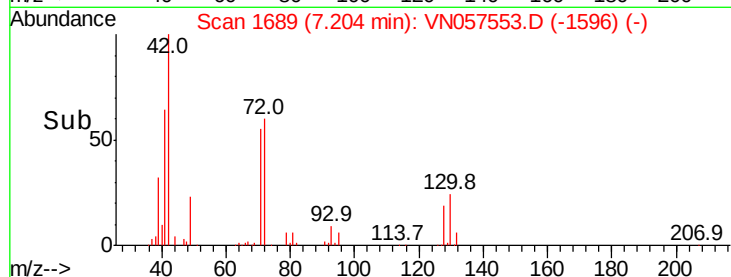
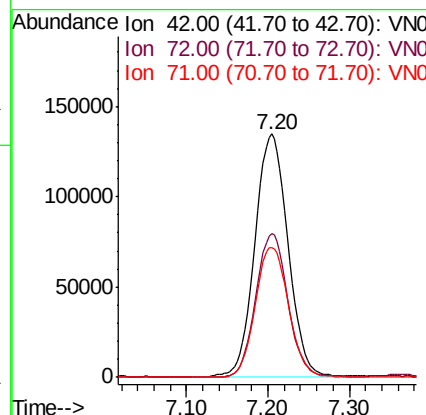
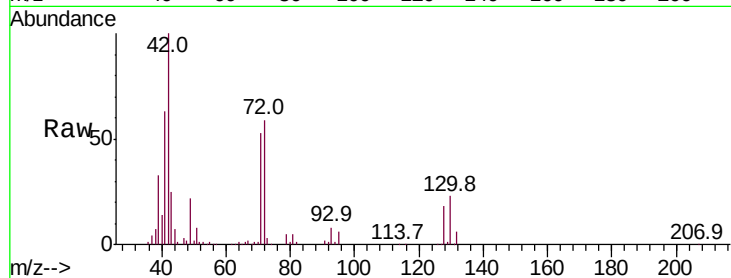
#29
Tetrahydrofuran
Concen: 146.557 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.5	30.1	45.1#
71	53.8	28.8	43.2#

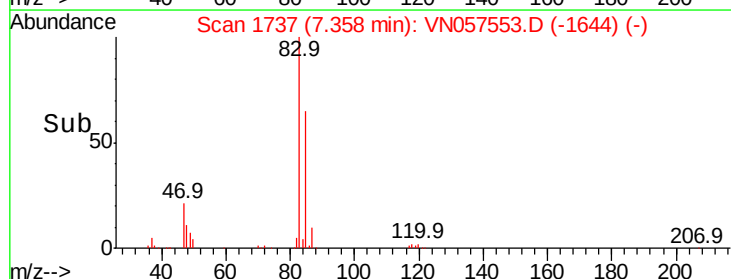
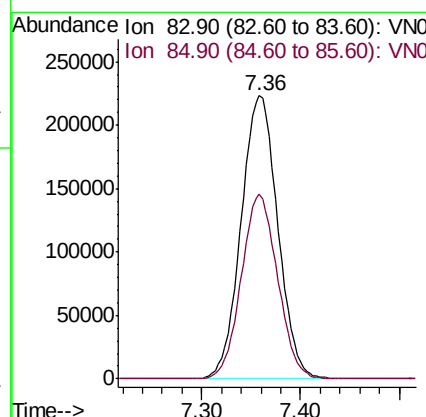
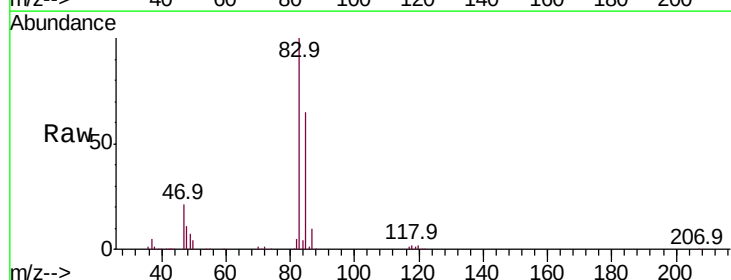
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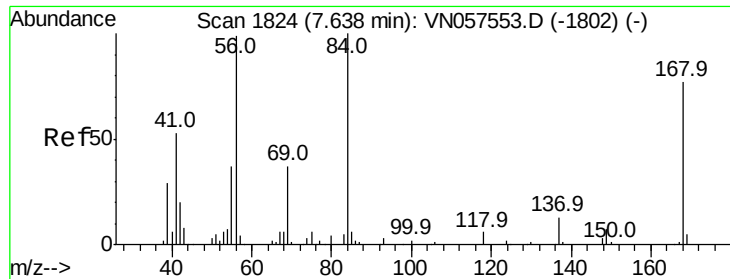
MMDadoda
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#30
Chloroform
Concen: 45.119 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





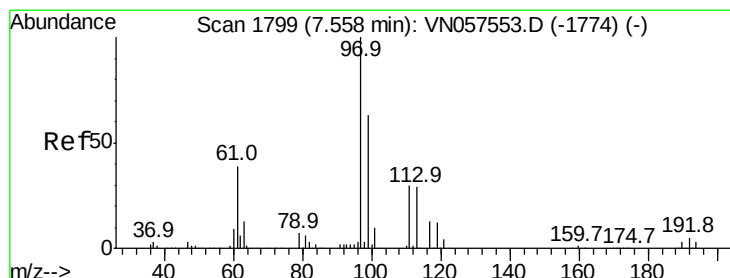
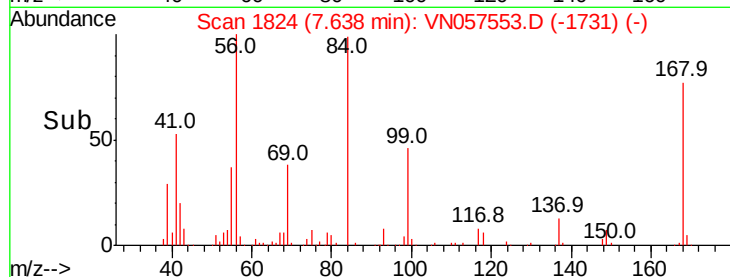
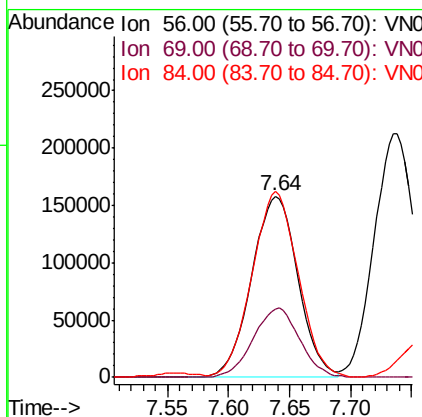
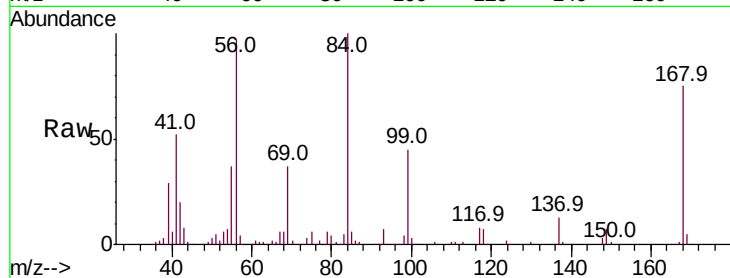
#31
Cyclohexane
Concen: 37.122 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.0	37.6#
84	101.2	62.5	93.7#

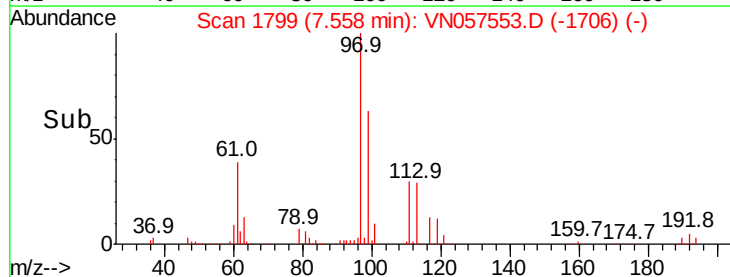
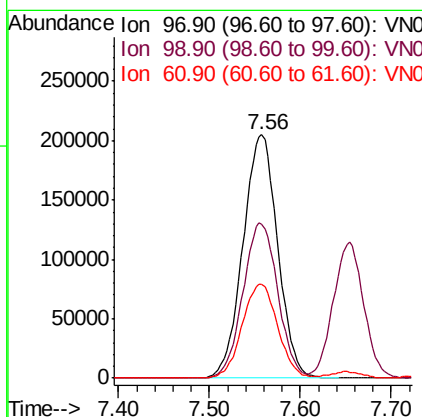
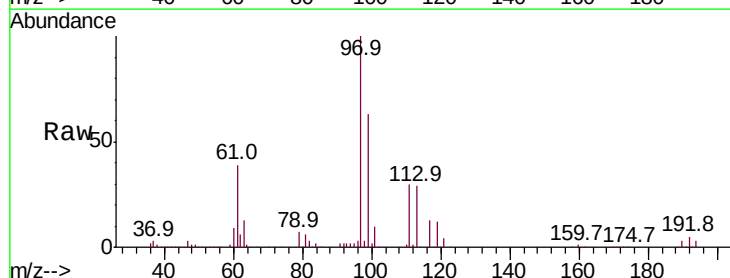
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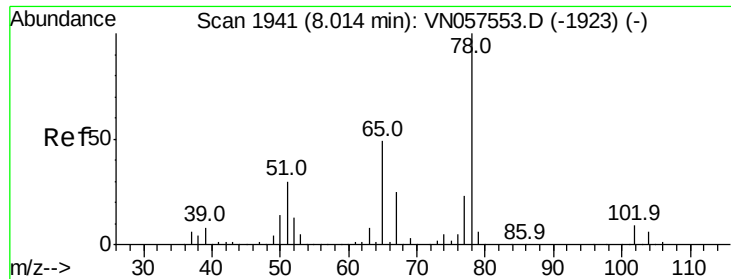
MMDadoda
9/3/2019 2:38:42 AM



#32
1,1,1-Trichloroethane
Concen: 50.832 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	39.6	39.8	59.6#





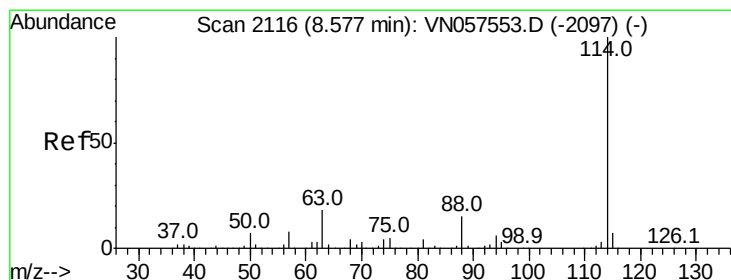
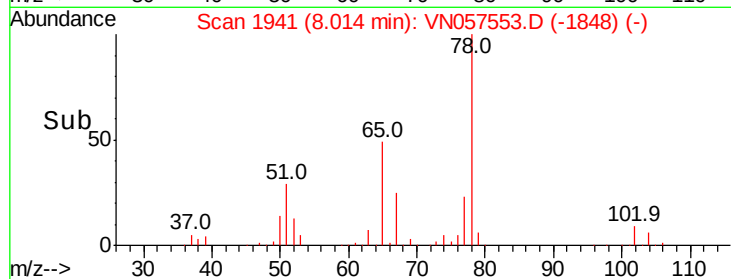
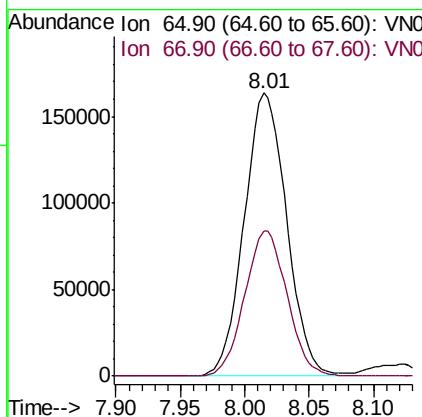
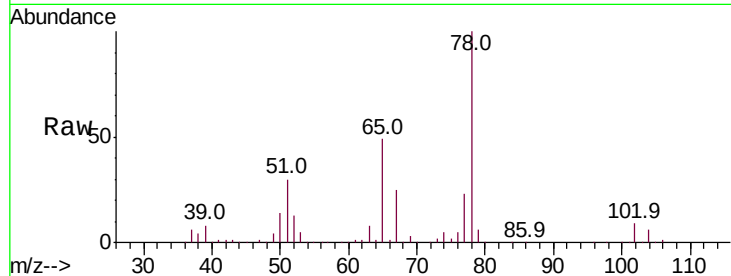
#33
 1,2-Dichloroethane-d4
 Concen: 45.717 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	103.8	

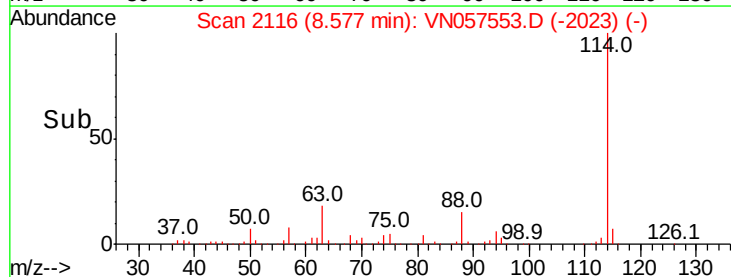
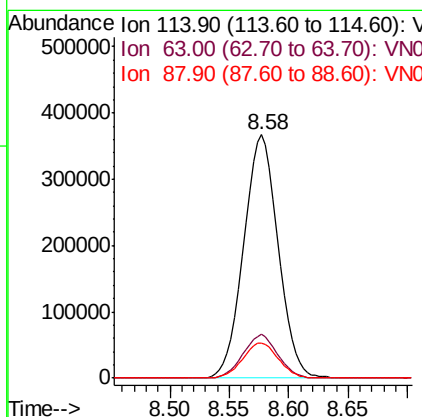
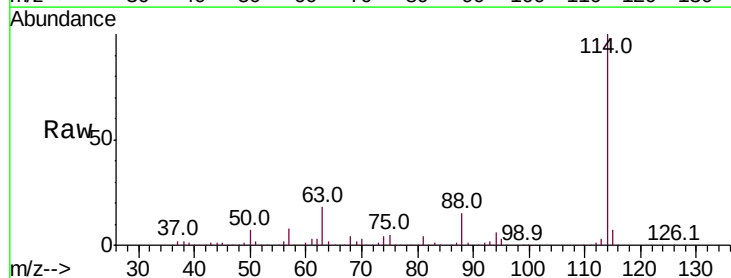
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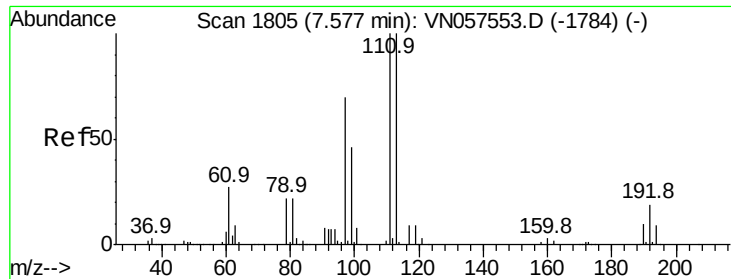
MMDadoda
 9/3/2019 2:38:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	50.2	
88	14.6	0.0	34.6	





#35

Dibromofluoromethane

Concen: 60.833 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

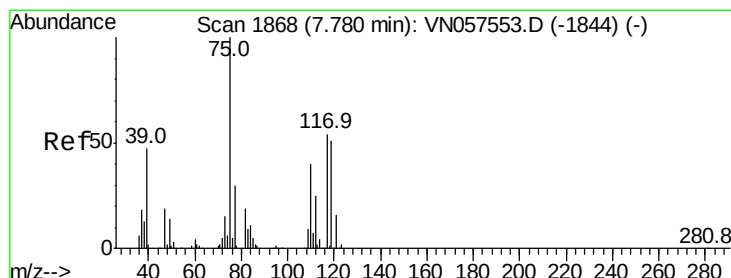
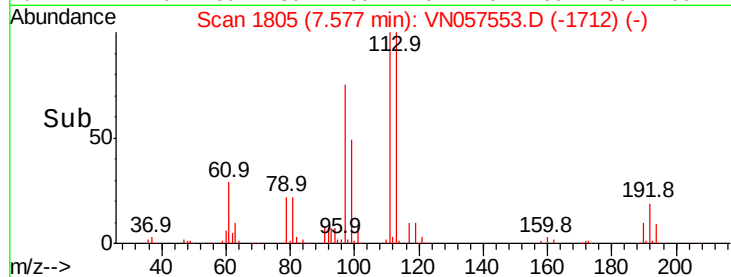
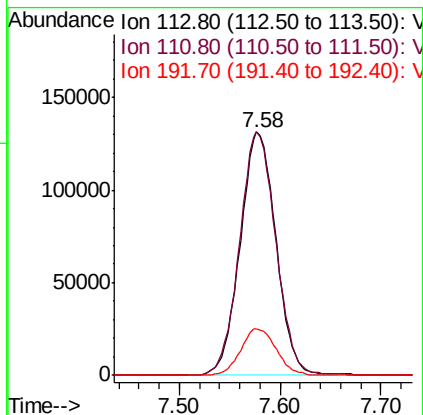
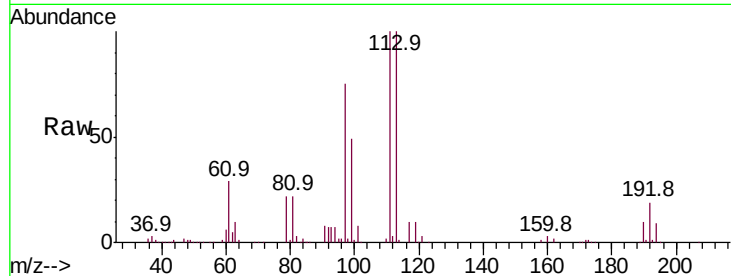
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	321981
Ion Ratio	Lower	Upper	
113	100		
111	101.7	83.8	125.6
192	19.1	13.5	20.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.266 ug/l

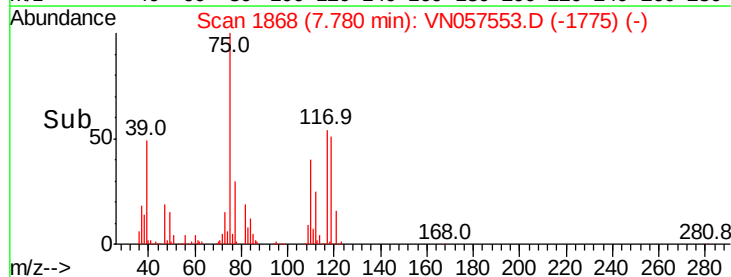
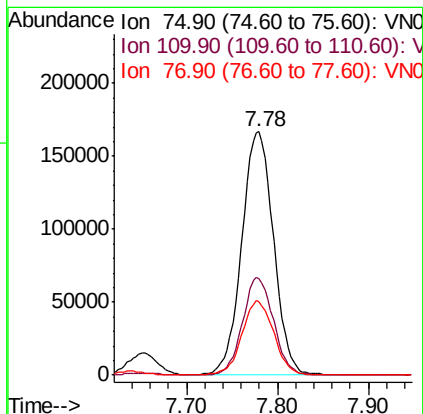
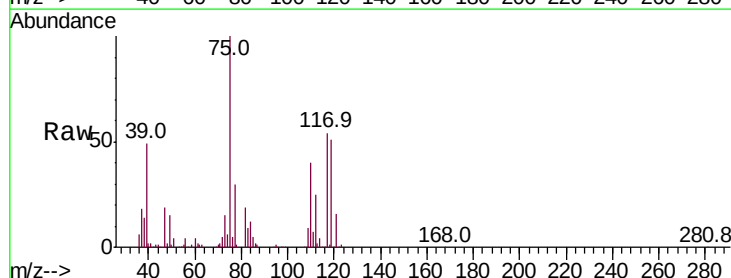
RT: 7.78 min Scan# 1868

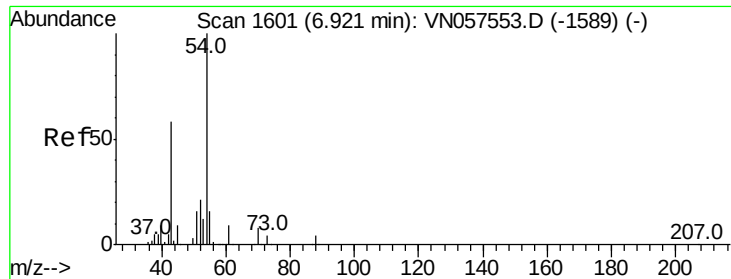
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion:	75	Resp:	403528
Ion Ratio	Lower	Upper	
75	100		
110	39.2	16.1	48.3
77	30.9	24.8	37.2





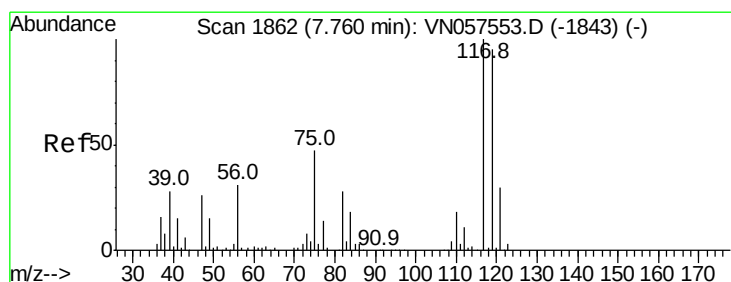
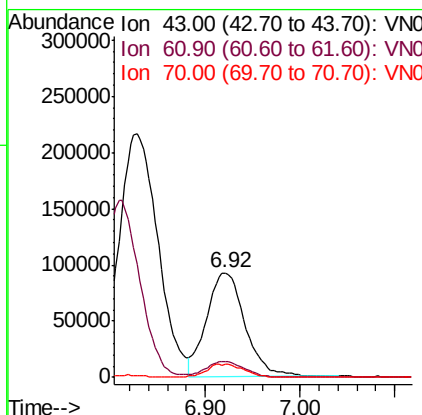
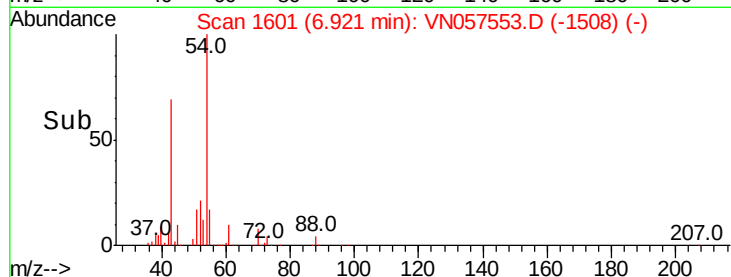
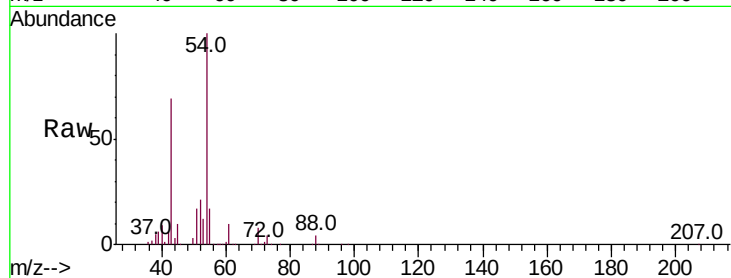
#37
Ethyl Acetate
Concen: 36.470 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	9.9	14.9#
70	12.2	7.0	10.6#

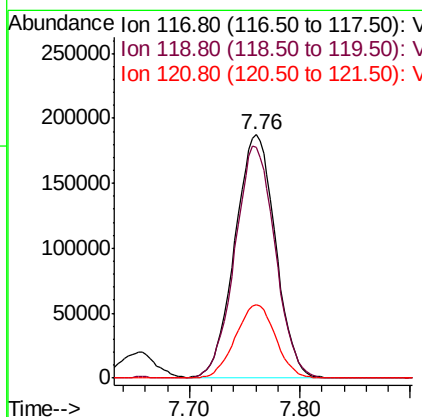
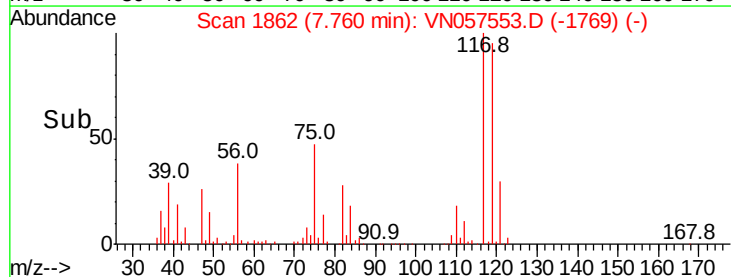
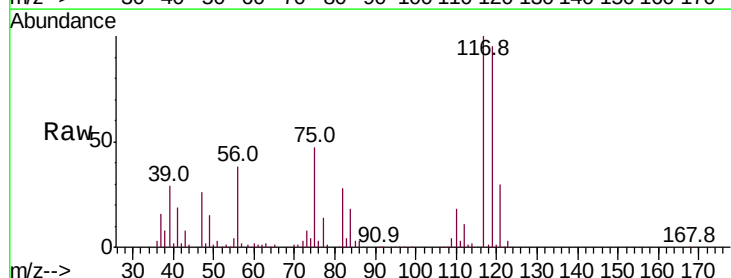
Manual Integrations
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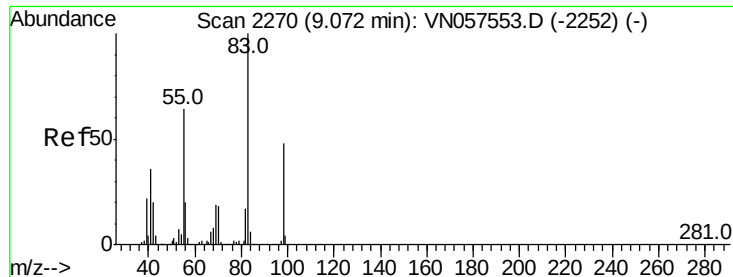
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#38
Carbon Tetrachloride
Concen: 60.288 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.2	114.4
121	30.2	23.8	35.6





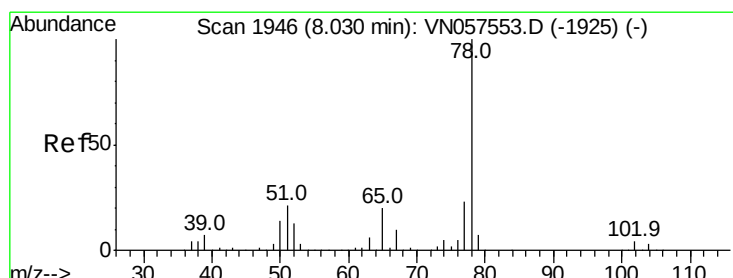
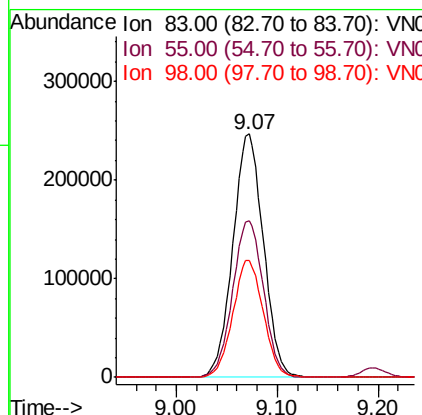
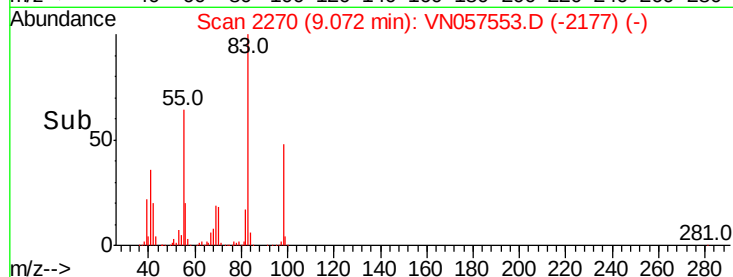
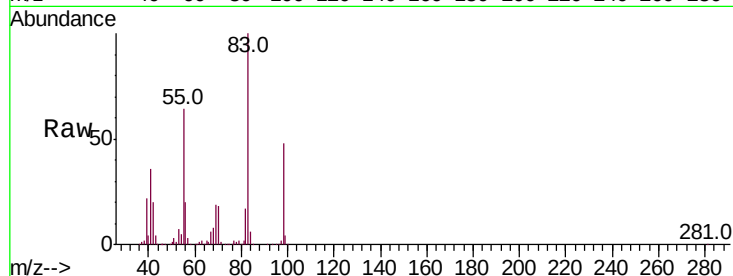
#39
Methylvlcyclohexane
Concen: 56.066 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.4	68.6	102.8#
98	48.0	36.6	54.8

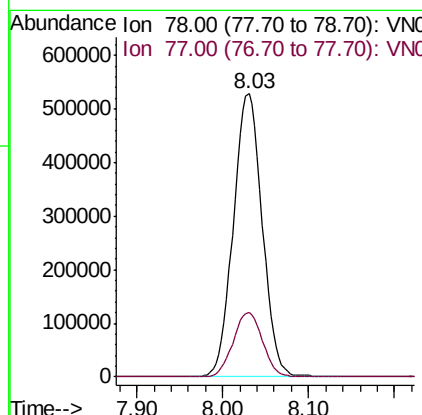
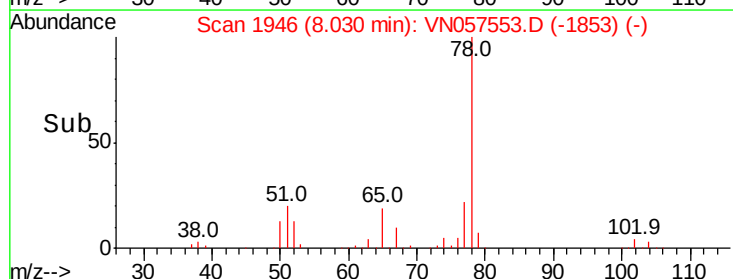
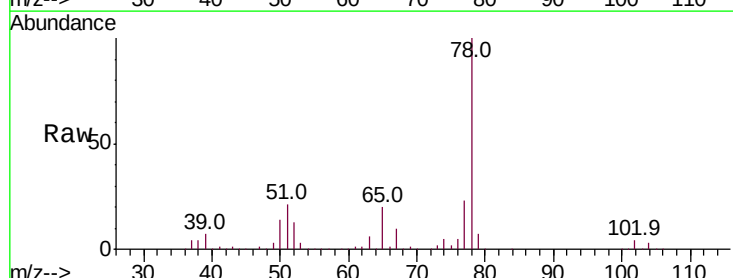
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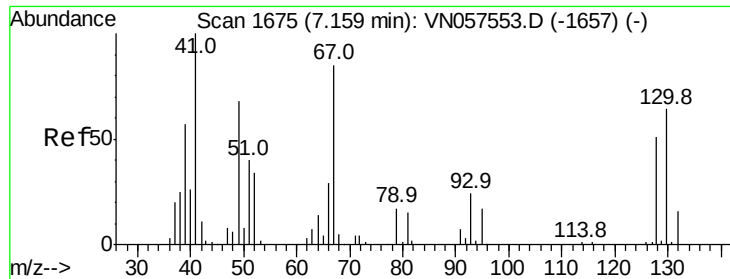
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#40
Benzene
Concen: 52.988 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7





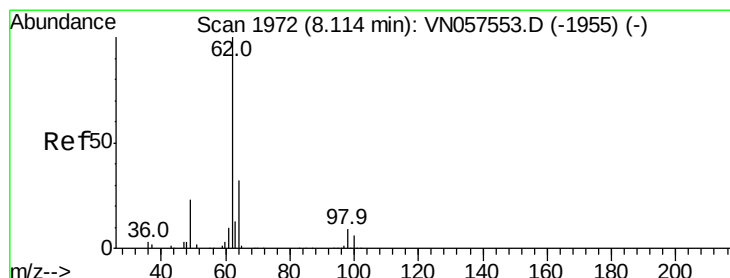
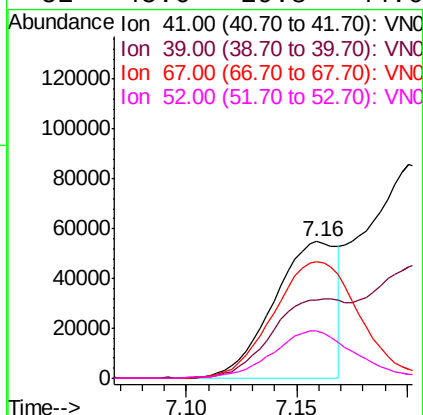
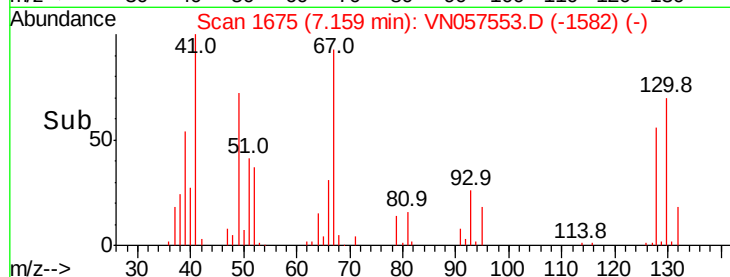
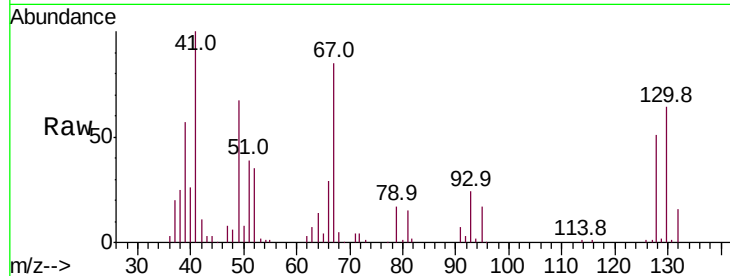
#41
Methacrylonitrile
Concen: 32.275 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	53.6	80.4
67	116.2	65.4	98.2
52	45.6	29.8	44.6

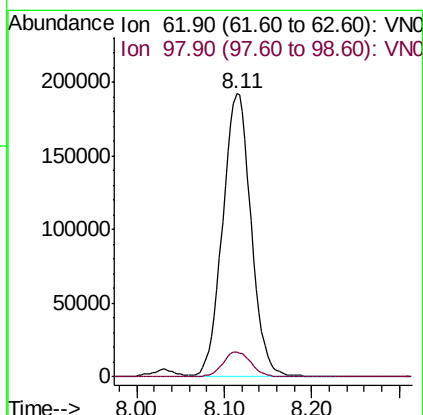
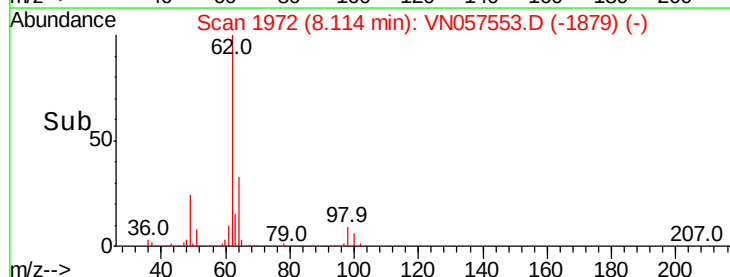
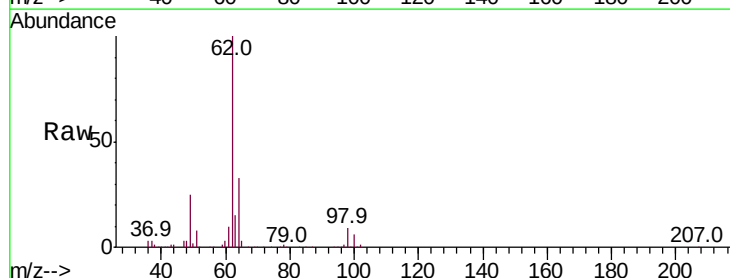
Manual Integrations
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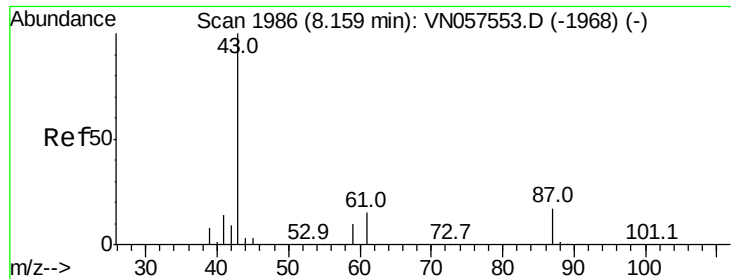
MMDadoda
9/3/2019 2:38:42 AM



#42
1,2-Dichloroethane
Concen: 49.089 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.4





#43

Isopropyl Acetate

Concen: 37.534 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

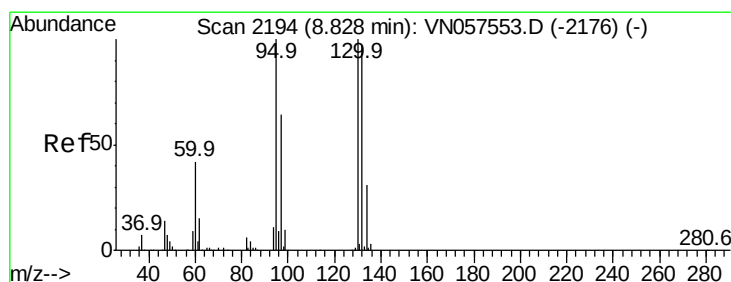
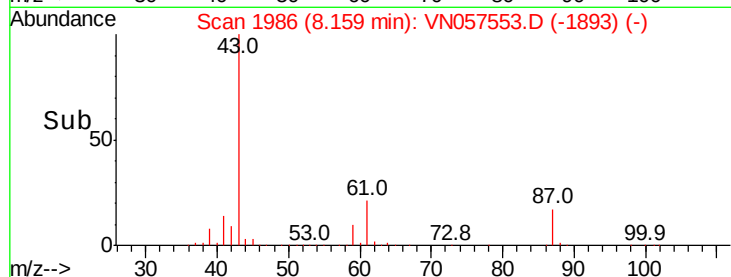
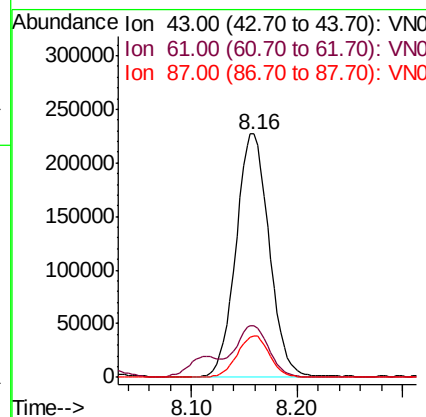
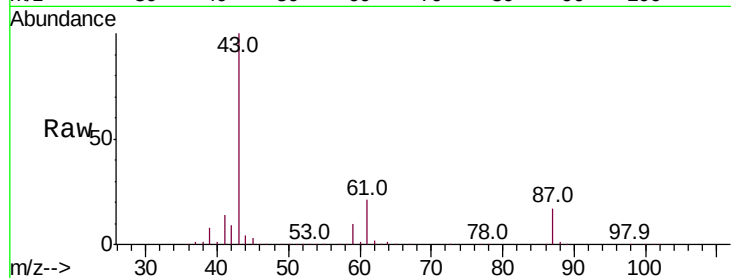
ClientSampleId :

VSTDICCC050

Tot Ion	43	61	87
Ratio	100	21.1	16.7
Lower		14.5	8.6
Upper		21.7	12.8

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#44

Trichloroethene

Concen: 63.290 ug/l

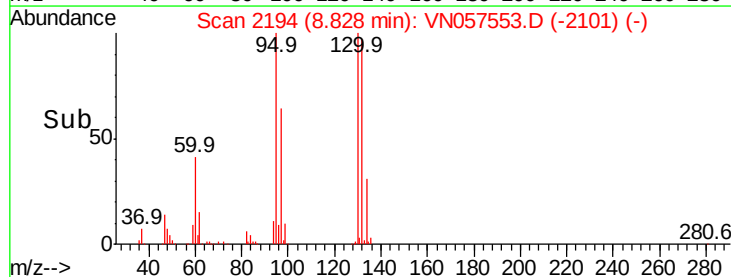
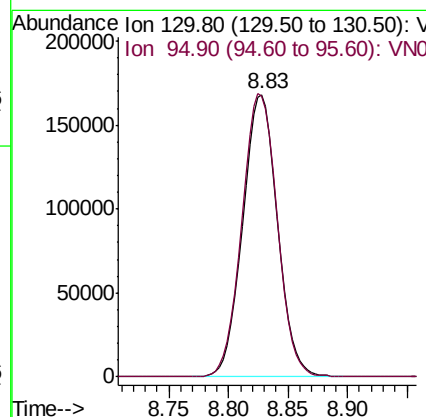
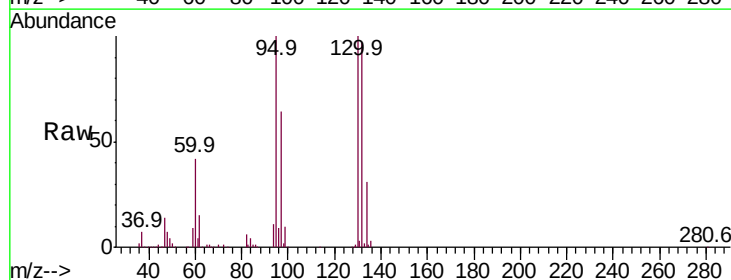
RT: 8.83 min Scan# 2194

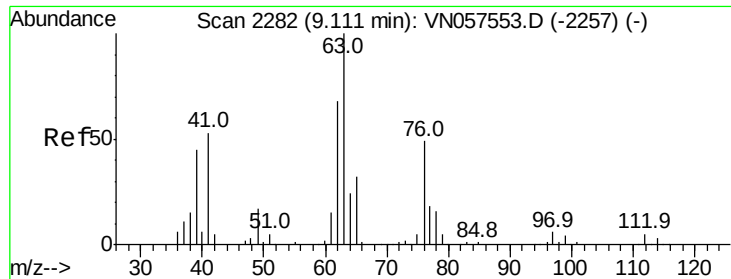
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion	130	95
Ratio	100	99.5
Lower		0.0
Upper		231.6





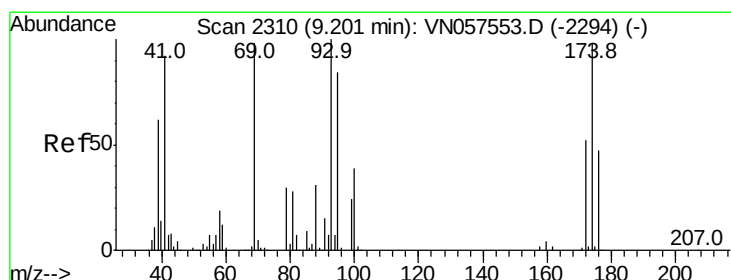
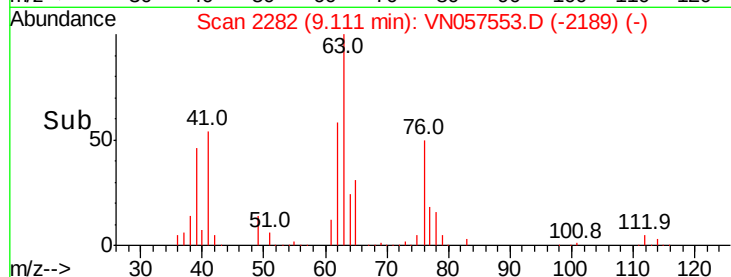
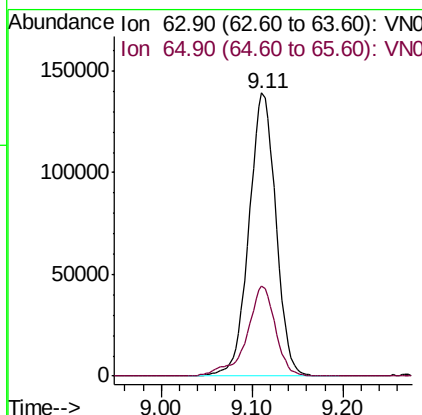
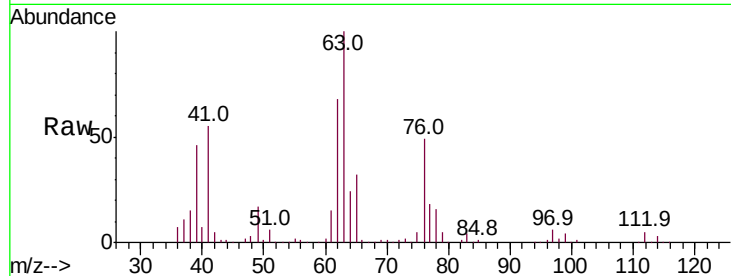
#45
 1,2-Dichloropropane
 Concen: 45.038 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

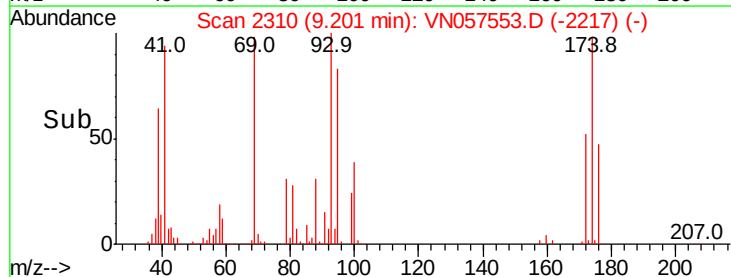
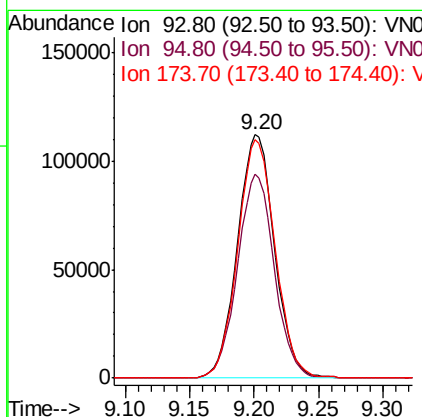
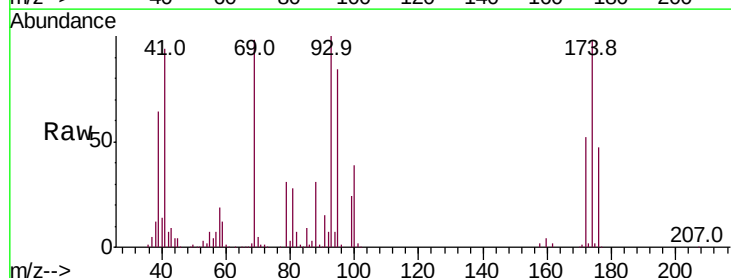
Manual Integrations
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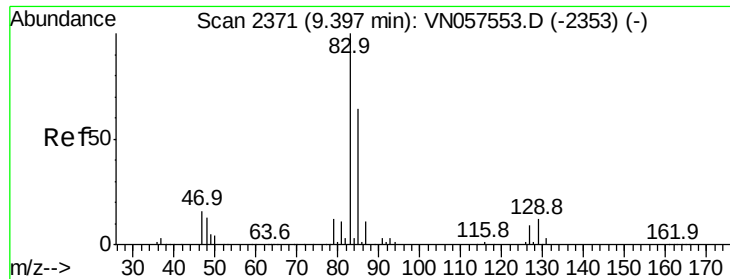
MMDadoda
 9/3/2019 2:38:42 AM



#46
 Dibromomethane
 Concen: 53.463 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	64.7	97.1
174	98.9	62.3	93.5#





#47

Bromodichloromethane

Concen: 54.165 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 470763

Ion Ratio Lower Upper

83 100

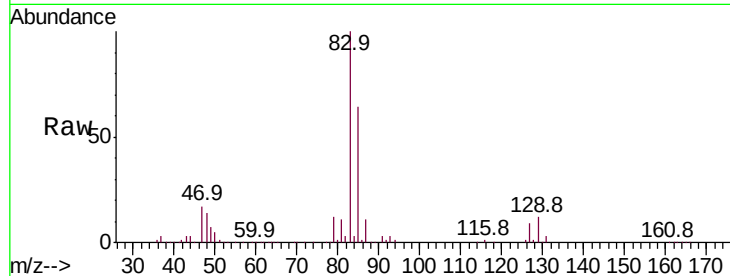
85 64.1 51.2 76.8

127 8.7 6.6 10.0

Manual Integrations
APPROVED

MMDadoda

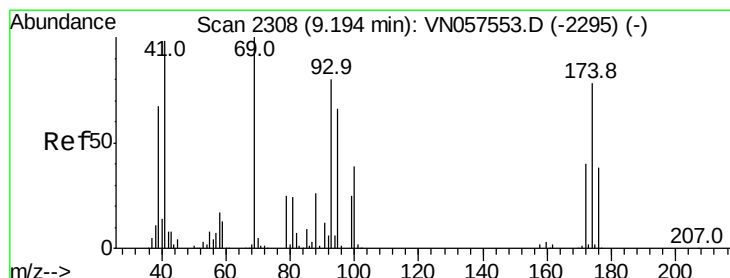
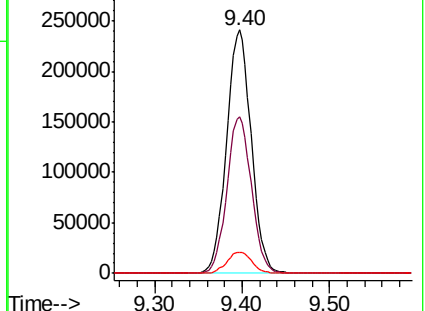
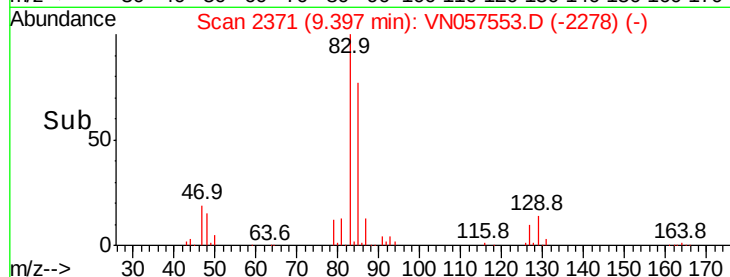
9/3/2019 2:38:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 36.604 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

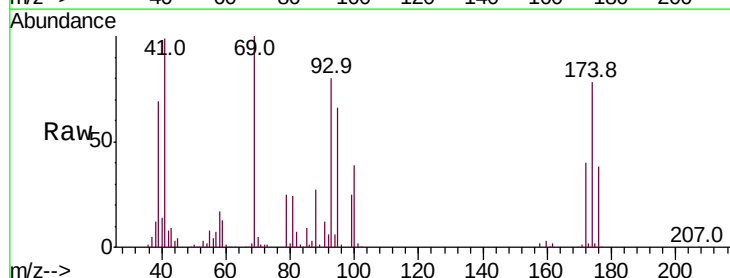
Tgt Ion: 41 Resp: 227689

Ion Ratio Lower Upper

41 100

69 101.4 59.3 88.9#

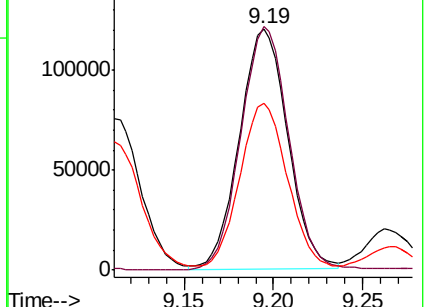
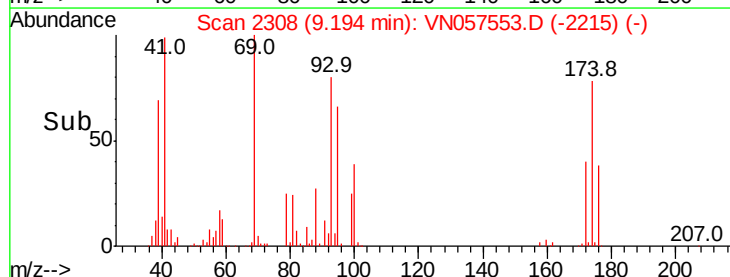
39 68.8 50.6 75.8

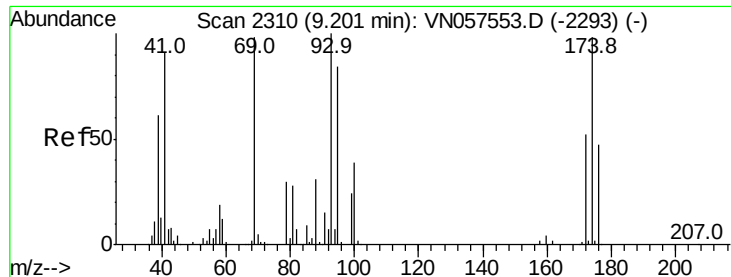


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





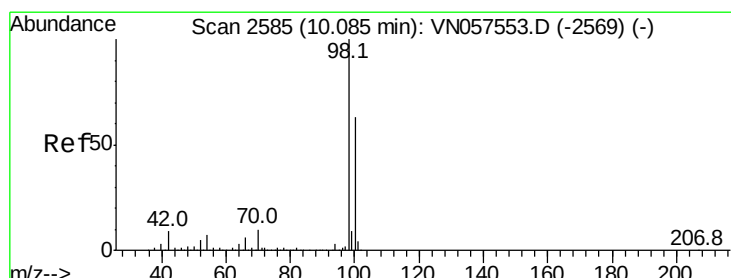
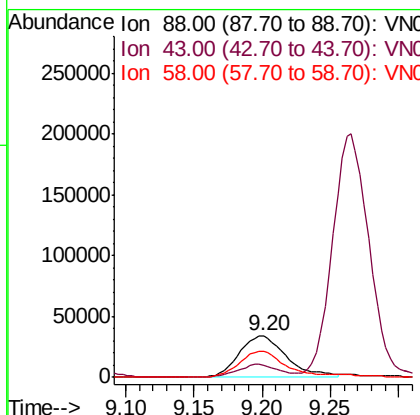
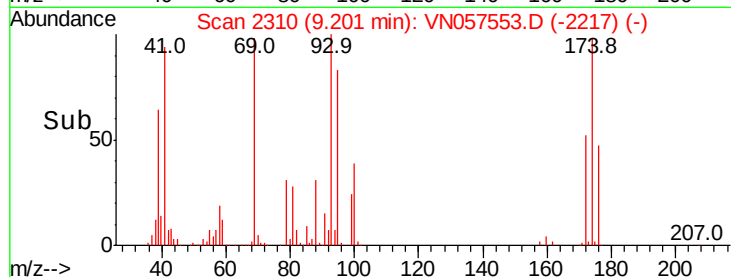
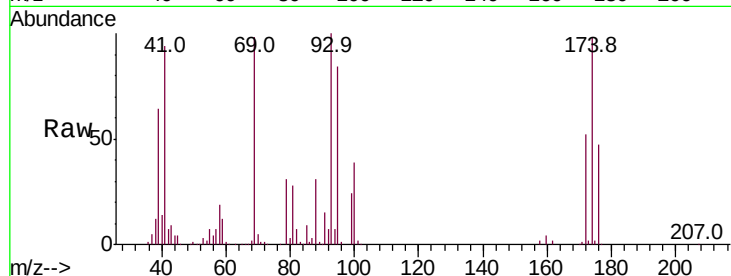
#49
1,4-Dioxane
Concen: 977.271 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.6	31.0	46.6#
58	59.2	64.5	96.7#

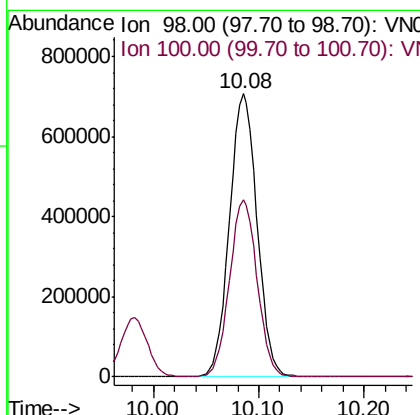
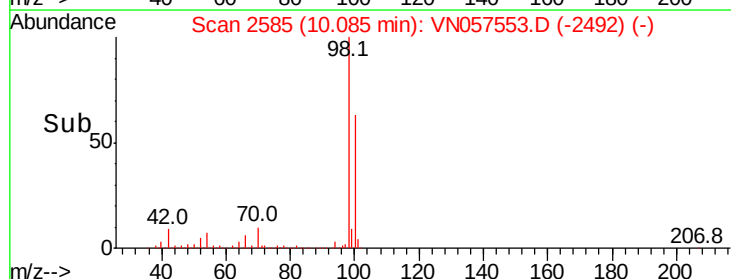
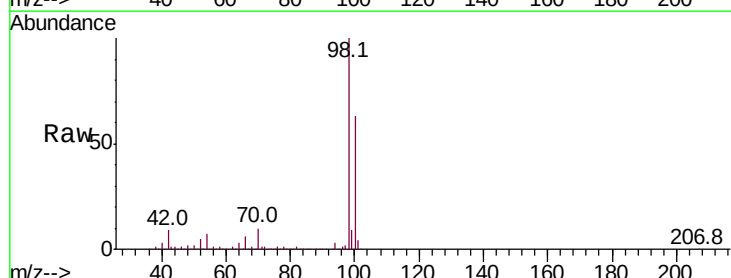
Manual Integrations
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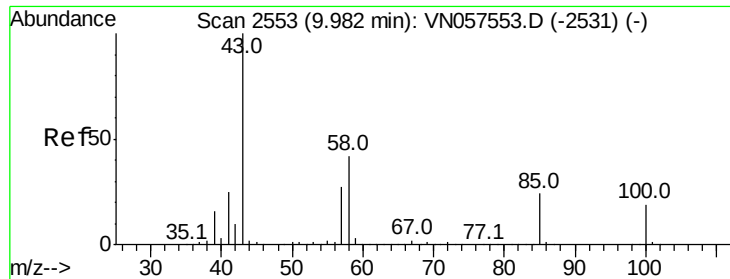
MMDadoda
9/3/2019 2:38:42 AM



#50
Toluene-d8
Concen: 63.658 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 187.227 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1368460

Ion Ratio Lower Upper

43 100

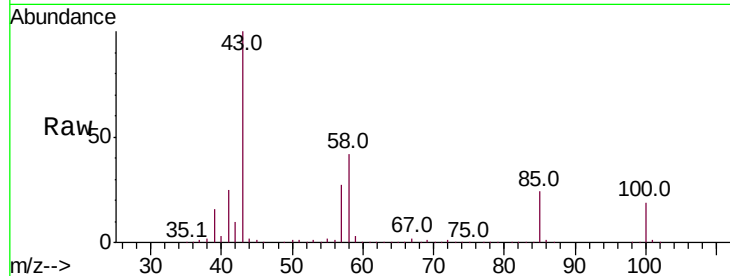
58 42.2 27.9 41.9#

Manual Integrations

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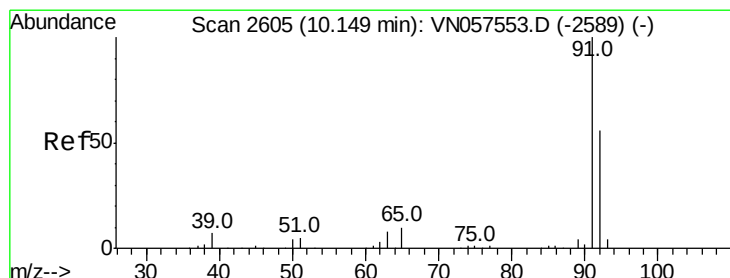
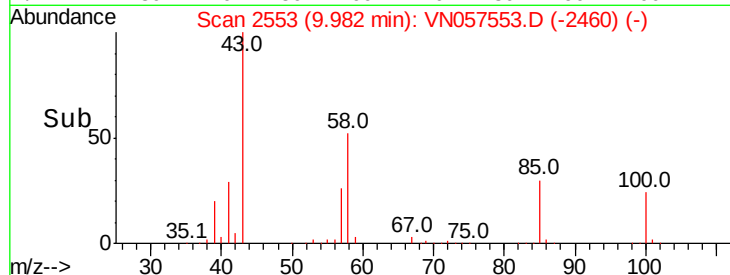
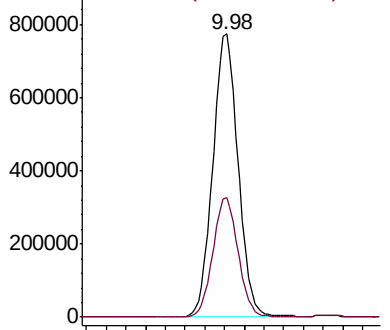
MMDadoda

9/3/2019 2:38:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 60.818 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057553.D

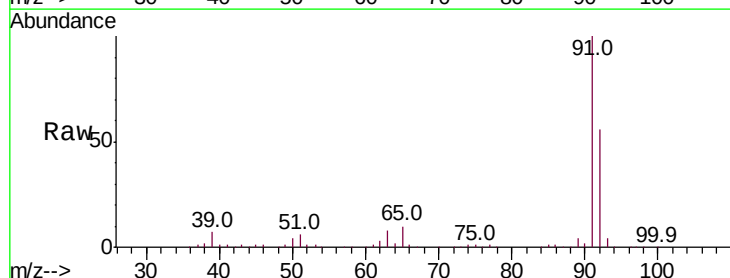
Acq: 29 Aug 2019 16:39

Tgt Ion: 92 Resp: 835975

Ion Ratio Lower Upper

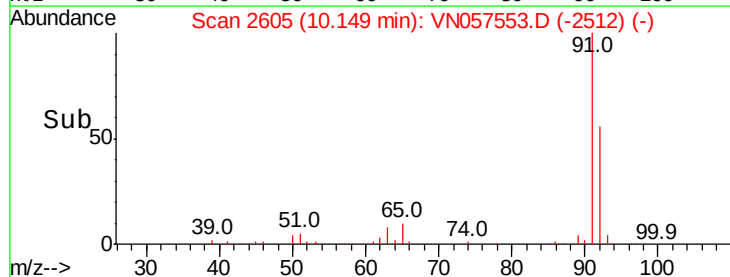
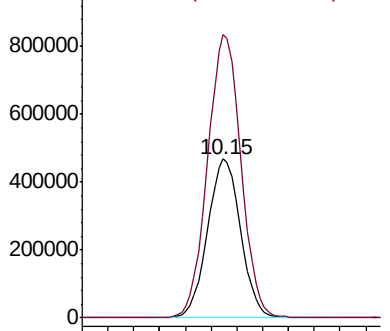
92 100

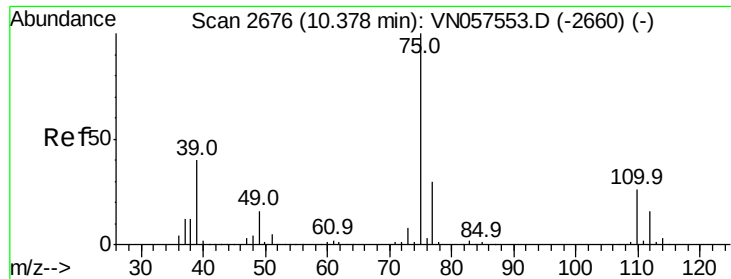
91 180.2 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





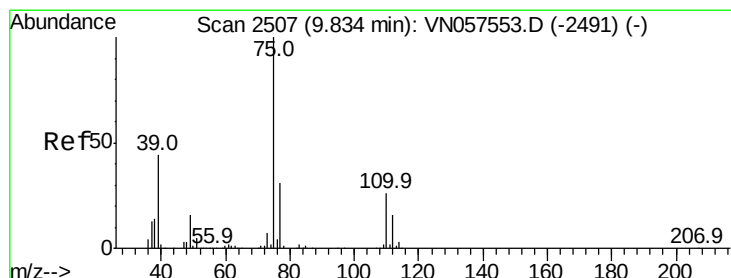
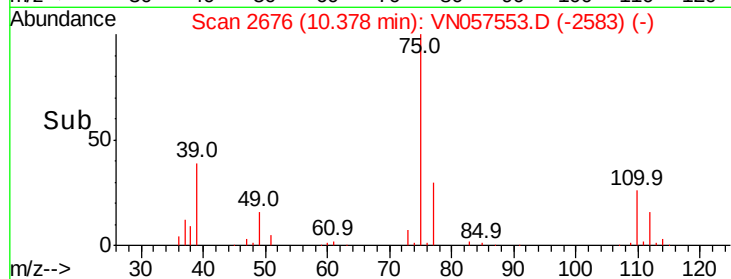
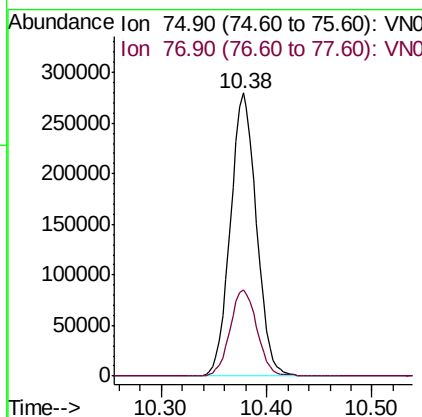
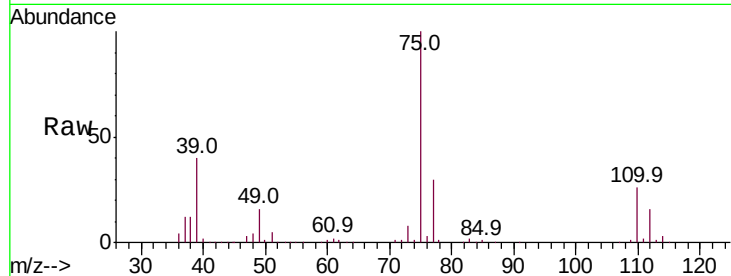
#53
t-1,3-Dichloropropene
Concen: 52.954 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 478230
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6

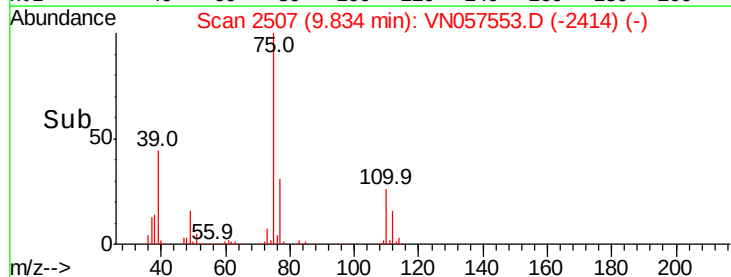
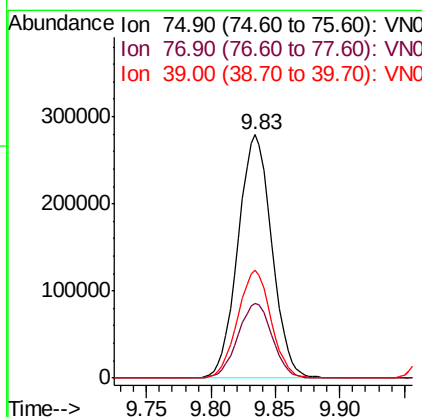
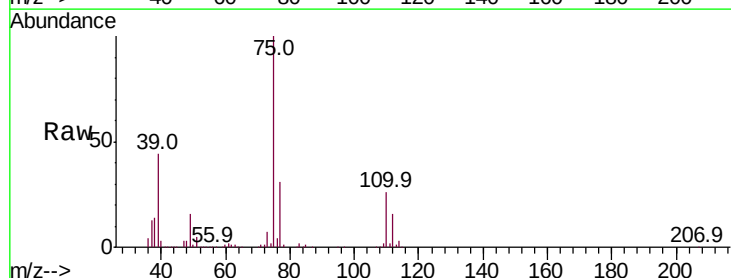
Manual Integrations
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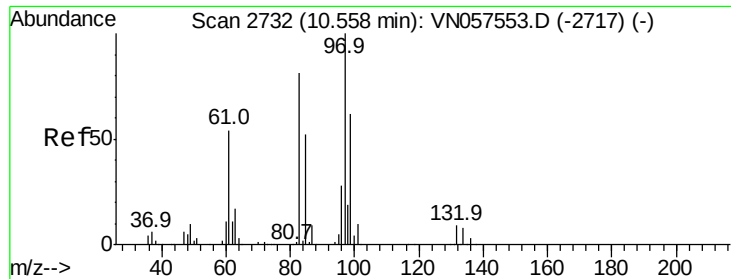
MMDadoda
9/3/2019 2:38:42 AM



#54
cis-1,3-Dichloropropene
Concen: 51.106 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 75 Resp: 511650
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6
39 44.3 49.2 73.8#





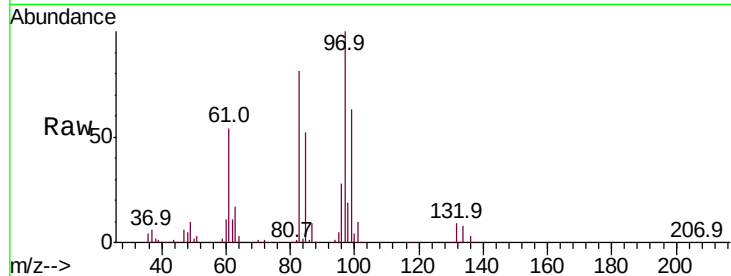
#55
 1,1,2-Trichloroethane
 Concen: 57.994 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

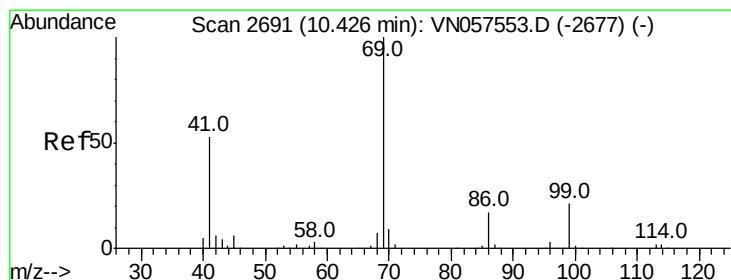
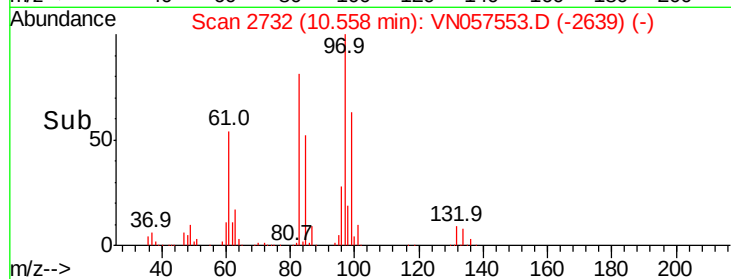
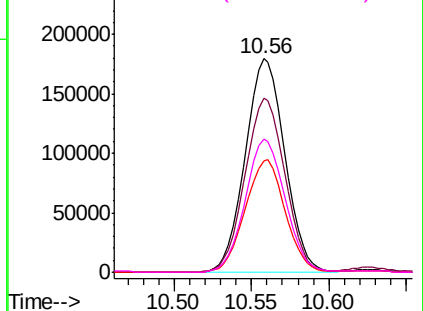
Tot Ion	97	Resp	320844
Ion	Ratio	Lower	Upper
97	100		
83	81.2	73.7	110.5
85	52.4	46.8	70.2
99	62.4	49.8	74.8

Manual Integrations
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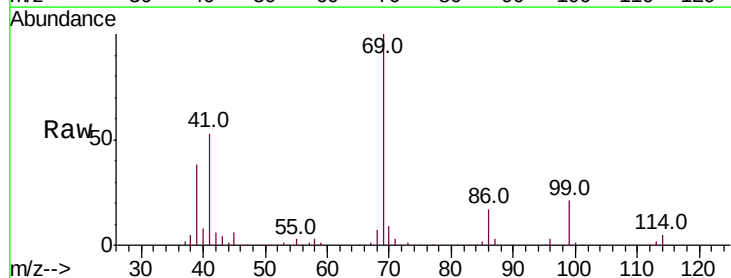


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

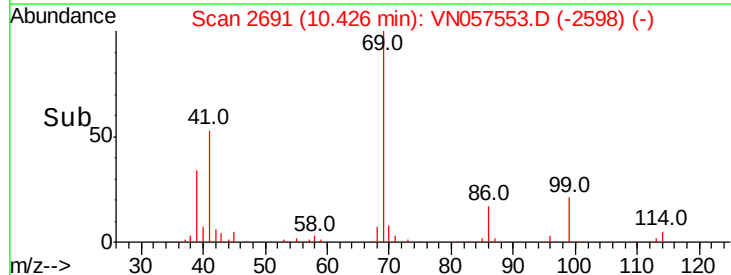
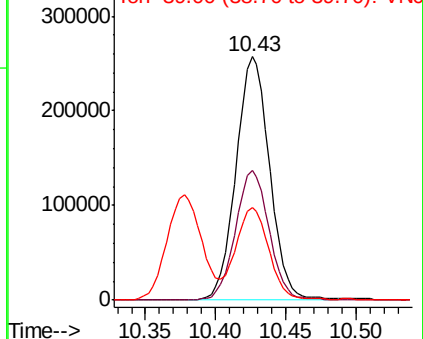


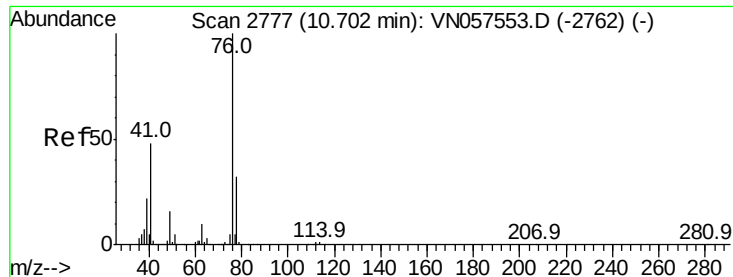
#56
 Ethyl methacrylate
 Concen: 51.282 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	69	Resp	429746
Ion	Ratio	Lower	Upper
69	100		
41	52.7	60.8	91.2#
39	36.8	36.5	54.7



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.325 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 500936

Ion Ratio Lower Upper

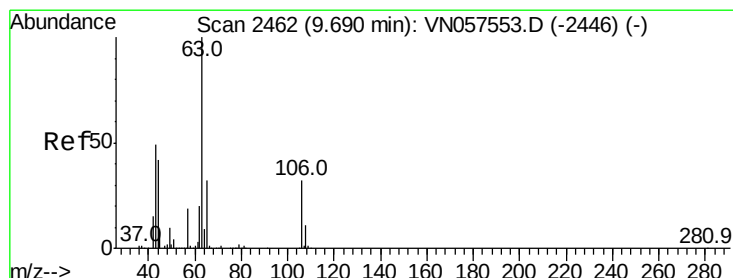
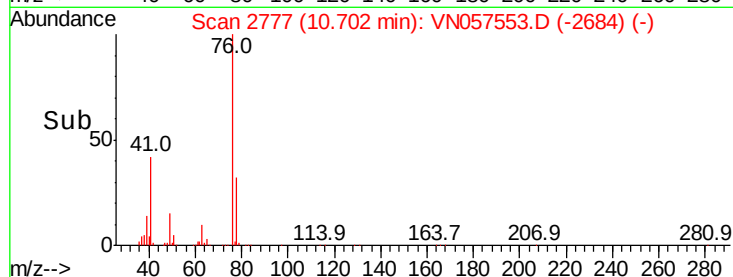
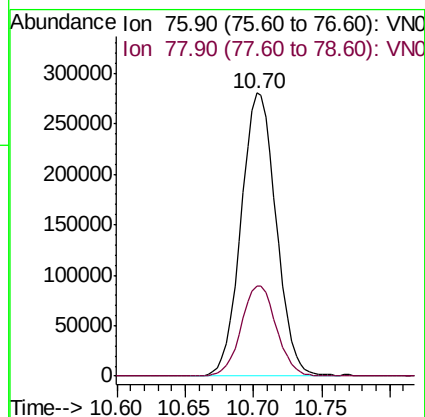
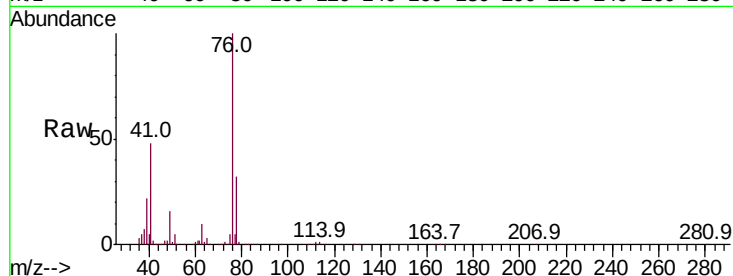
76 100

78 32.0 25.5 38.3

Manual Integrations
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9/3/2019 2:38:42 AM



#58

2-Chloroethyl Vinyl ether

Concen: 280.335 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057553.D

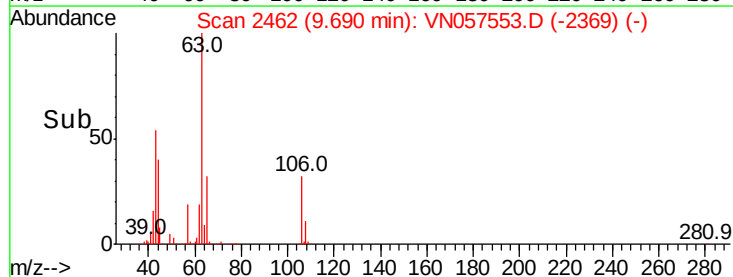
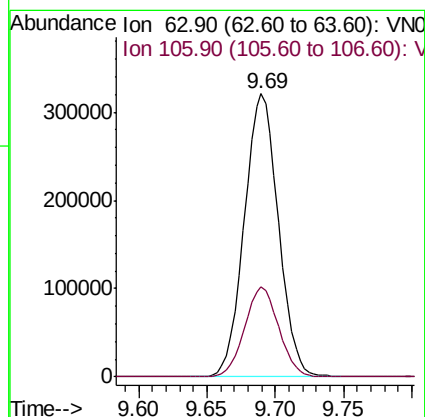
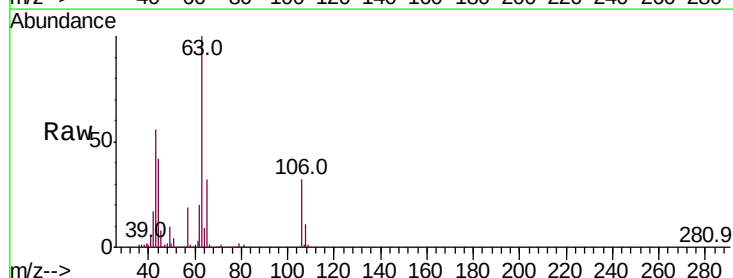
Acq: 29 Aug 2019 16:39

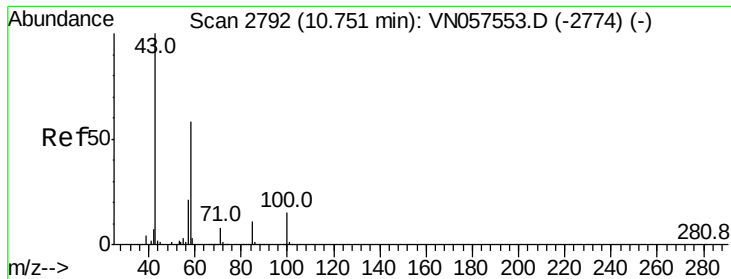
Tgt Ion: 63 Resp: 555450

Ion Ratio Lower Upper

63 100

106 32.0 18.6 27.8#





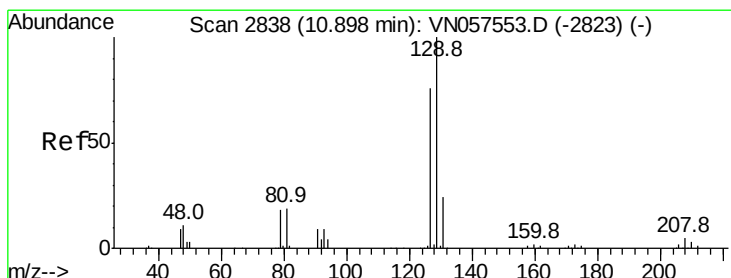
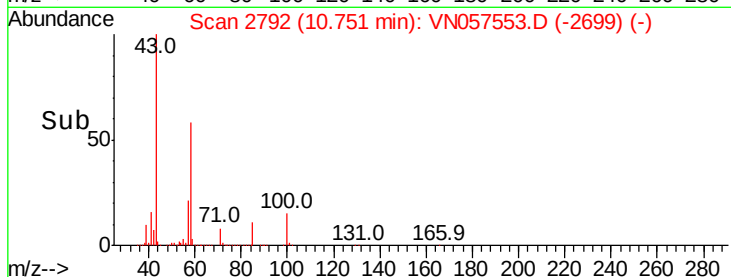
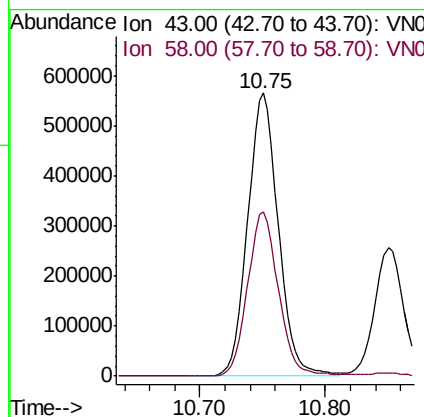
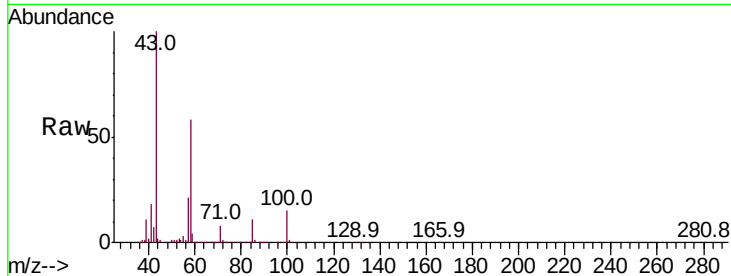
#59
 2-Hexanone
 Concen: 190.989 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.8	24.6	73.6

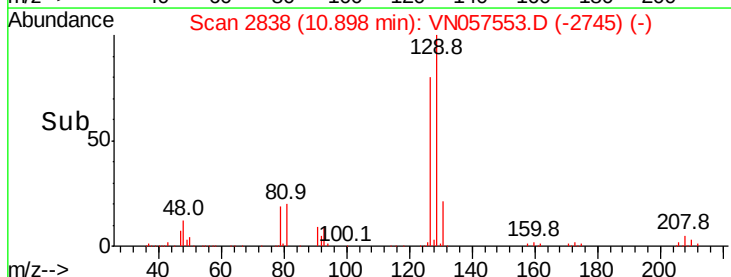
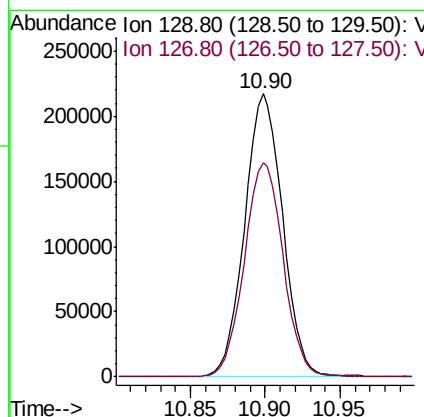
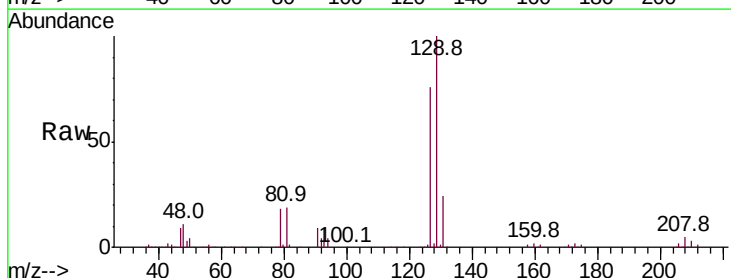
Manual Integrations
 APPROVED

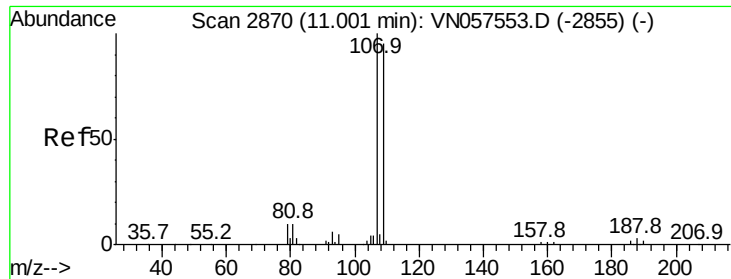
MMDadoda
 9/3/2019 2:38:42 AM



#60
 Dibromochloromethane
 Concen: 64.235 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.0	116.9





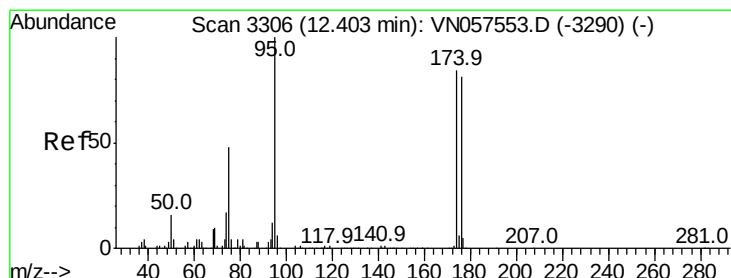
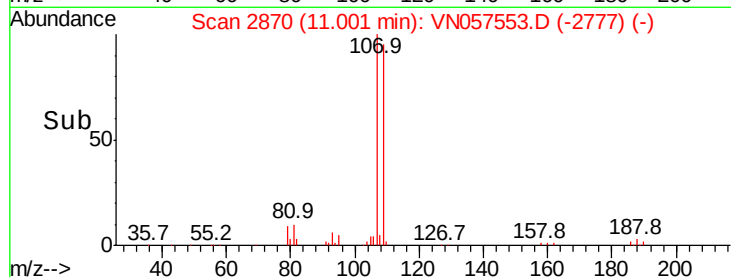
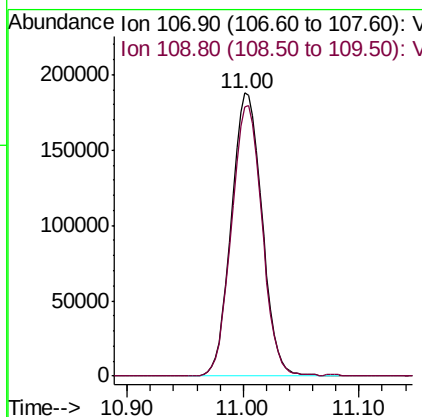
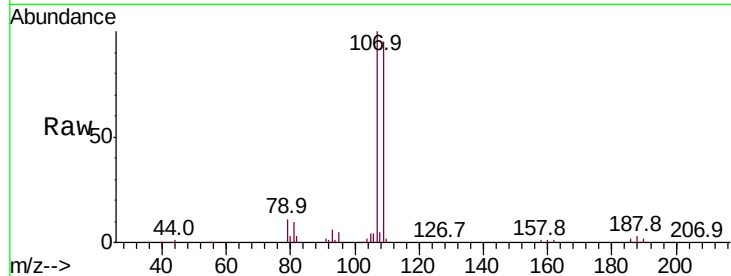
#61
 1,2-Dibromoethane
 Concen: 62.568 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	73.8	110.8

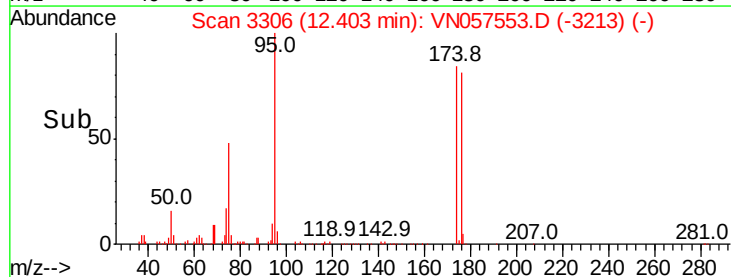
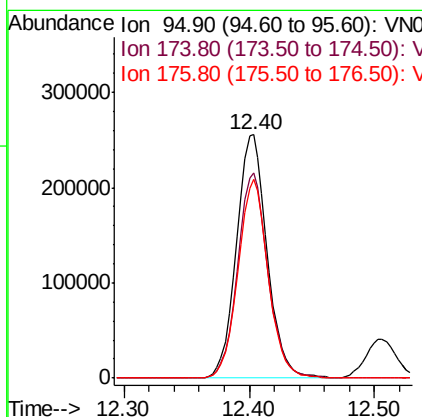
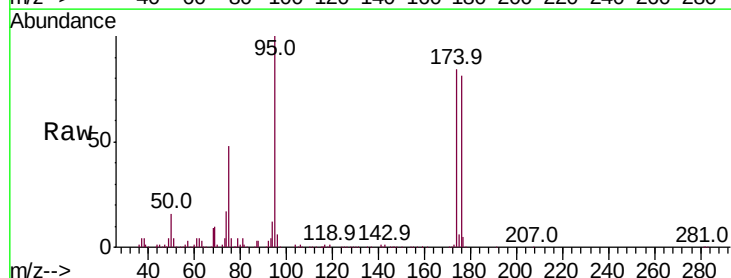
Manual Integrations
 APPROVED

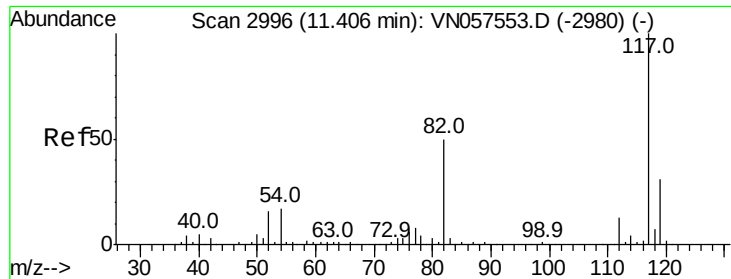
MMDadoda
 9/3/2019 2:38:42 AM



#62
 4-Bromofluorobenzene
 Concen: 63.647 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	133.0
176	80.3	0.0	130.8





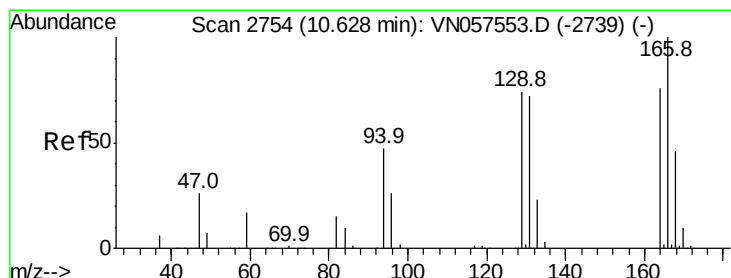
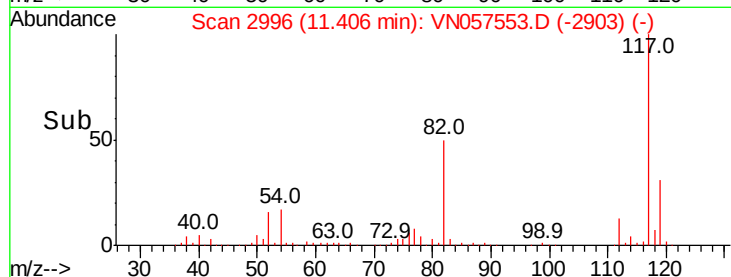
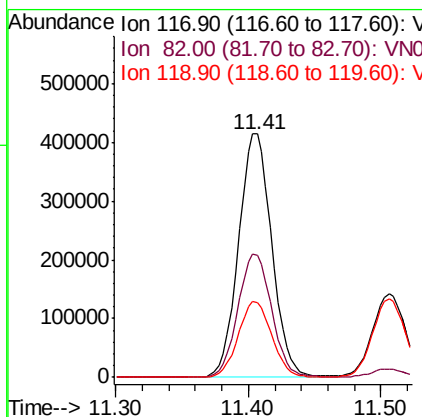
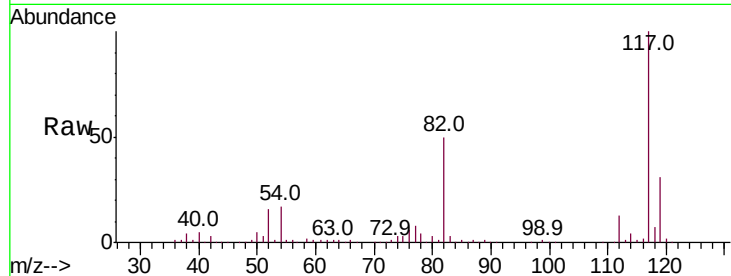
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:117 Resp: 721844
Ion Ratio Lower Upper
117 100
82 50.3 50.6 75.8#
119 30.9 24.6 36.8

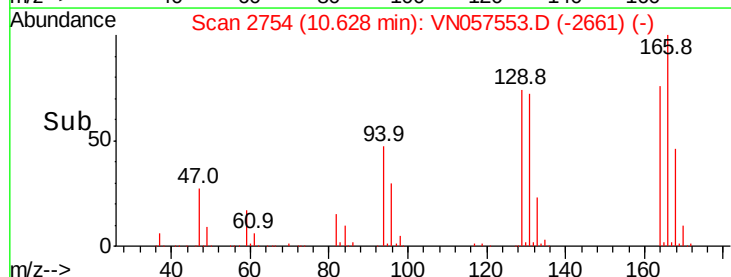
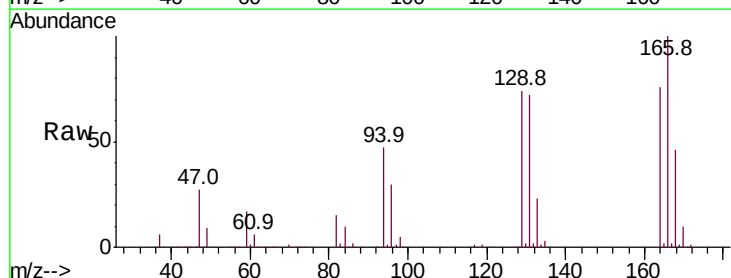
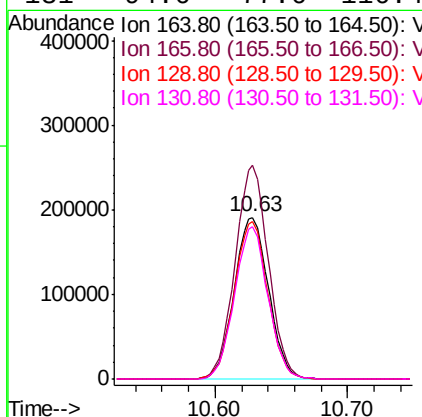
Manual Integrations
APPROVED

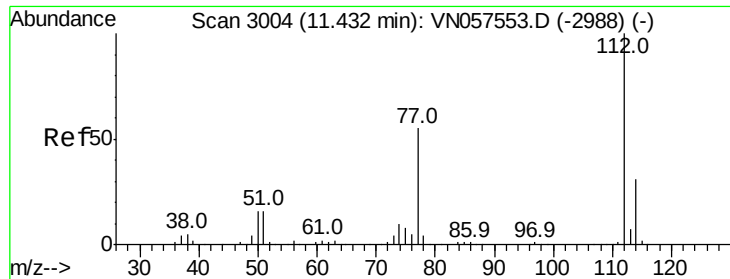
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#64
Tetrachloroethene
Concen: 63.292 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion:164 Resp: 343542
Ion Ratio Lower Upper
164 100
166 132.3 104.4 156.6
129 97.6 86.6 130.0
131 94.6 77.6 116.4





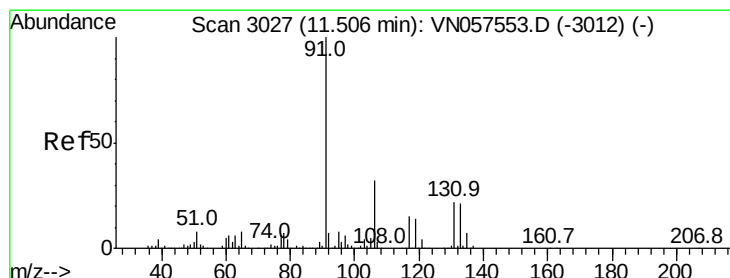
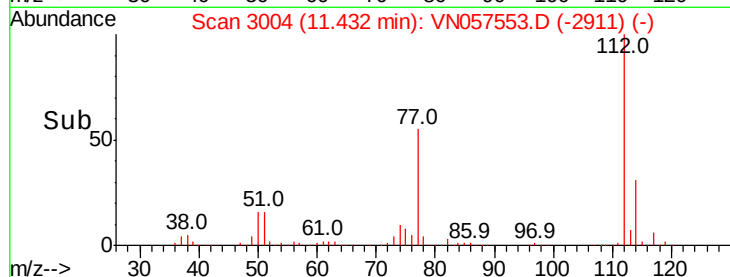
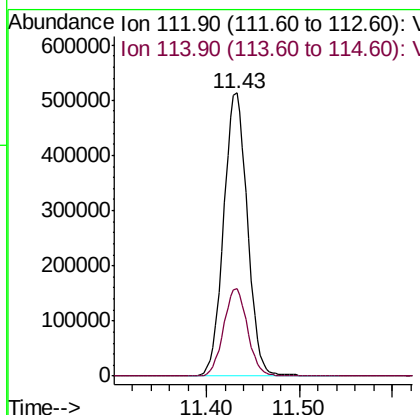
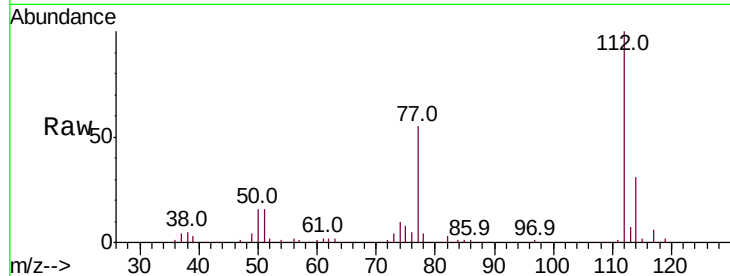
#65
Chlorobenzene
Concen: 59.322 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 913000
Ion Ratio Lower Upper
112 100
114 30.8 24.8 37.2

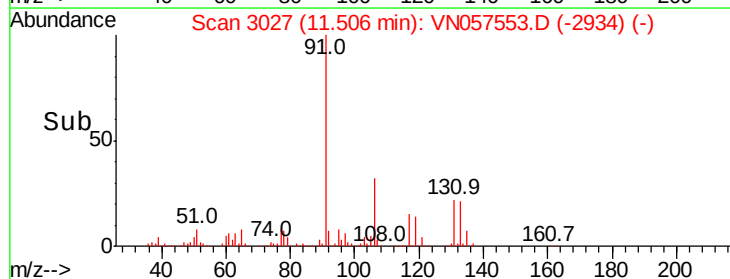
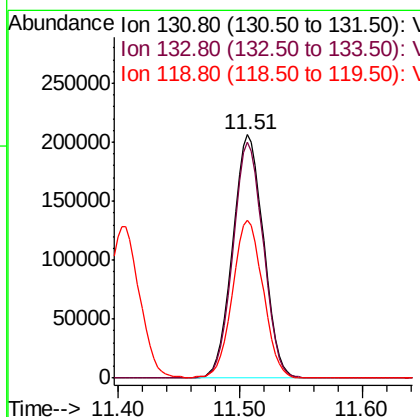
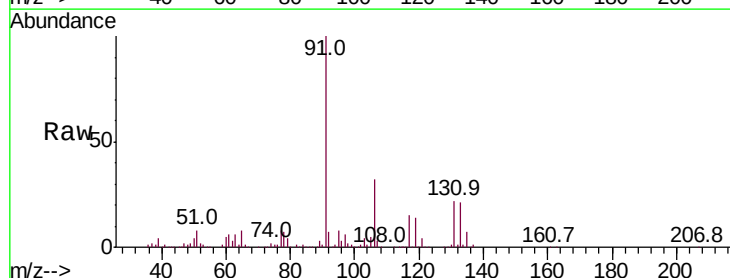
Manual Integrations
APPROVED

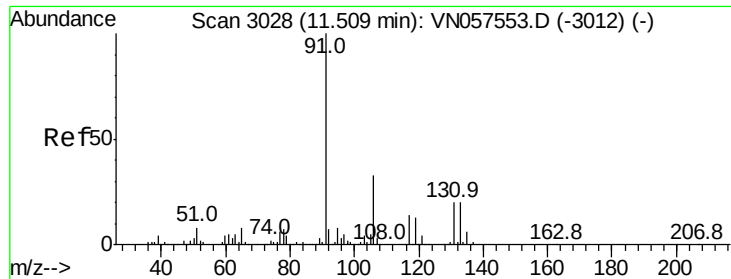
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.936 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion:131 Resp: 361638
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 64.2 34.4 103.2





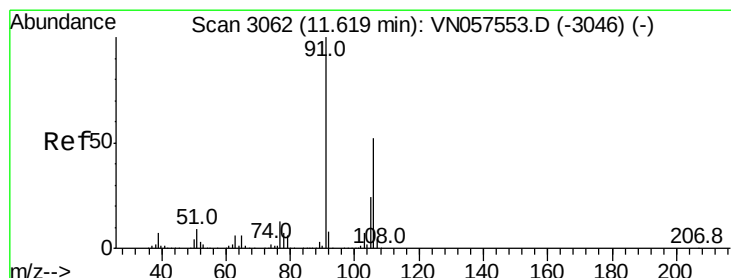
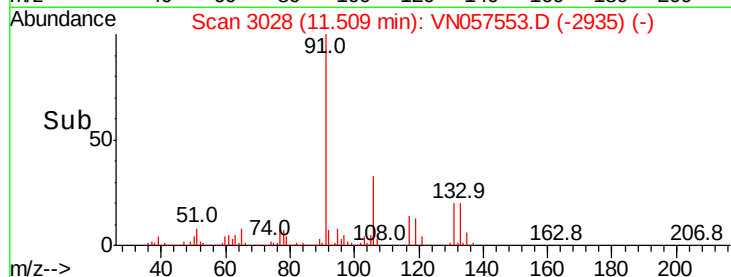
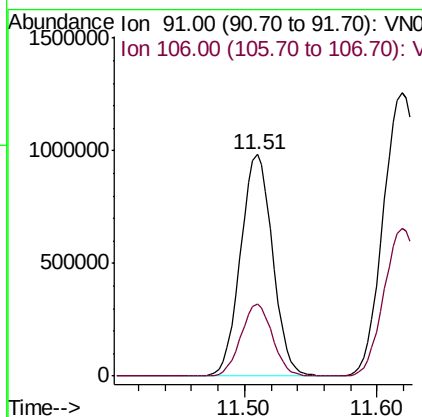
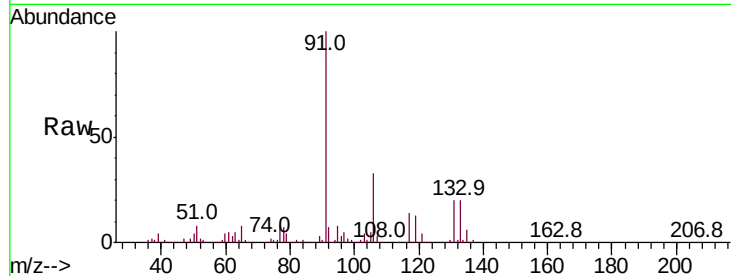
#67
Ethyl Benzene
Concen: 56.426 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1650134
Ion Ratio Lower Upper
91 100
106 32.7 24.1 36.1

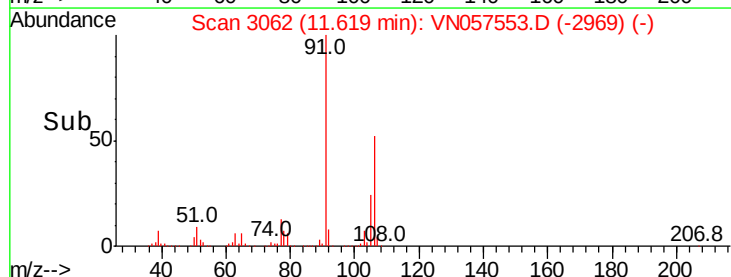
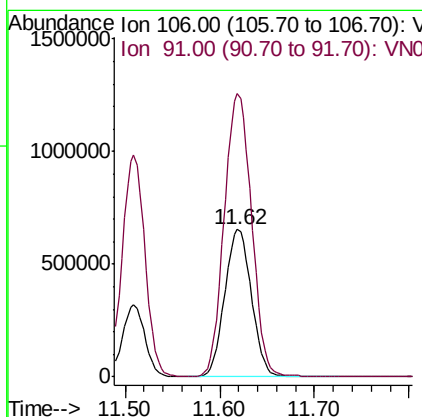
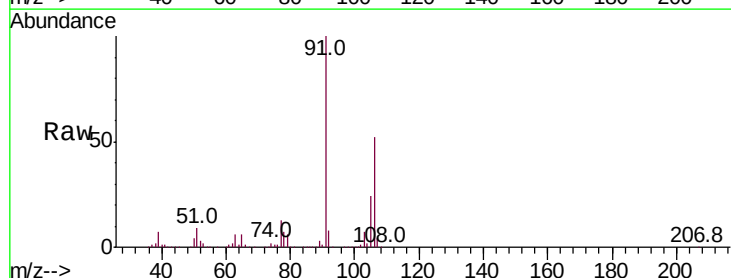
Manual Integrations
APPROVED

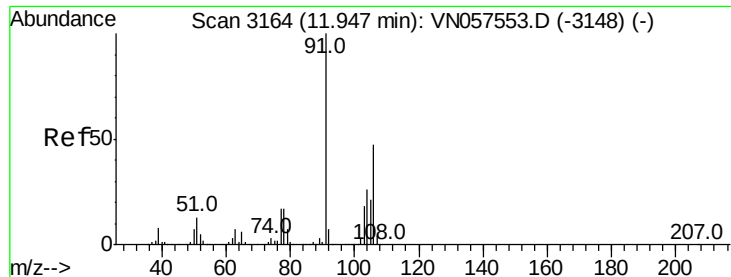
MMDadoda
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#68
m/p-Xylenes
Concen: 126.379 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 106 Resp: 1284282
Ion Ratio Lower Upper
106 100
91 196.8 171.8 257.6





#69

o-Xylene

Concen: 61.966 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:106 Resp: 621135

Ion Ratio Lower Upper

106 100

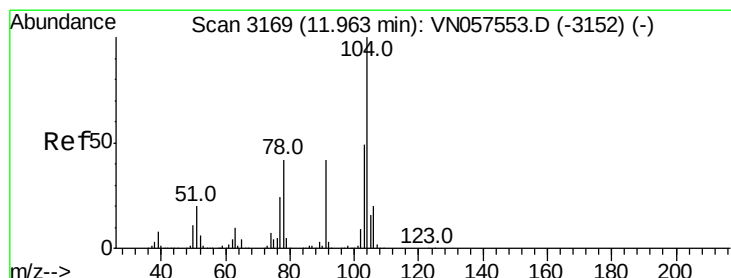
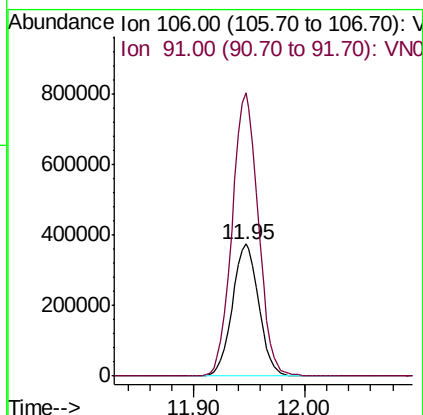
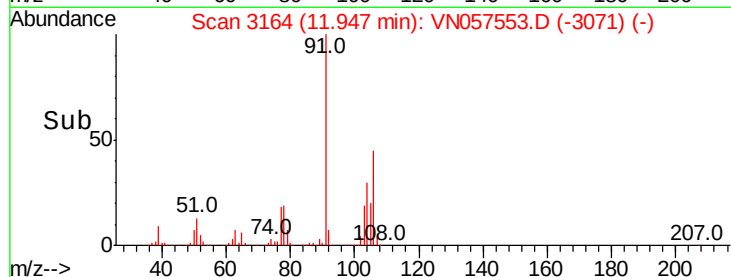
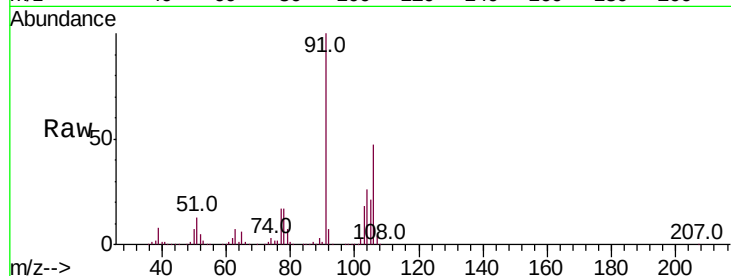
91 213.3 112.3 336.9

Manual Integrations

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#70

Styrene

Concen: 64.120 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

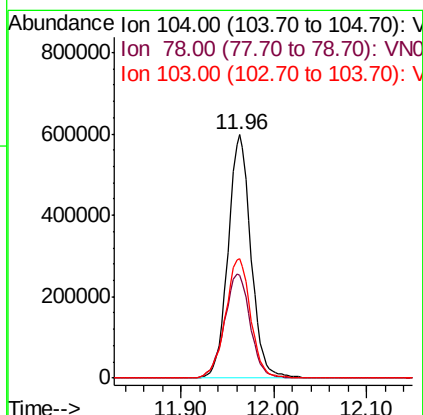
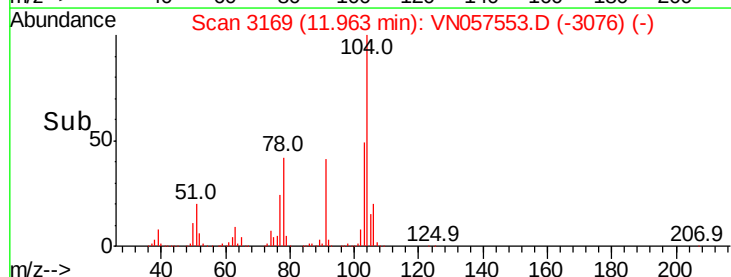
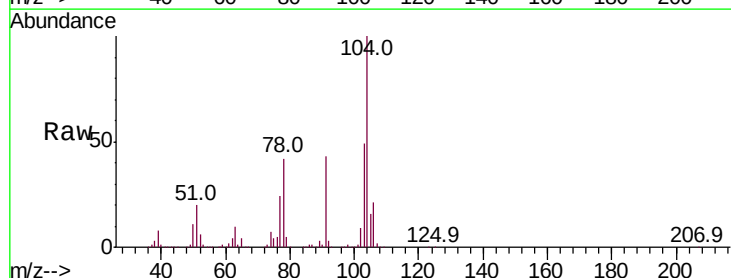
Tgt Ion:104 Resp: 1019084

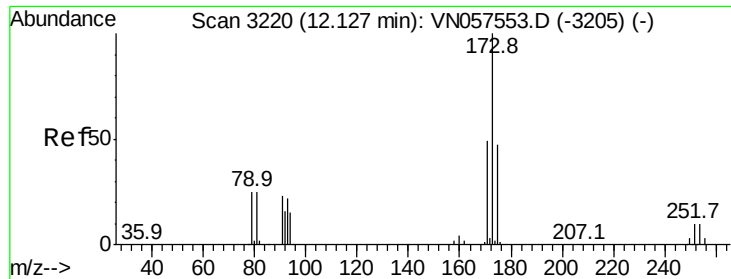
Ion Ratio Lower Upper

104 100

78 48.2 44.7 67.1

103 54.3 44.4 66.6





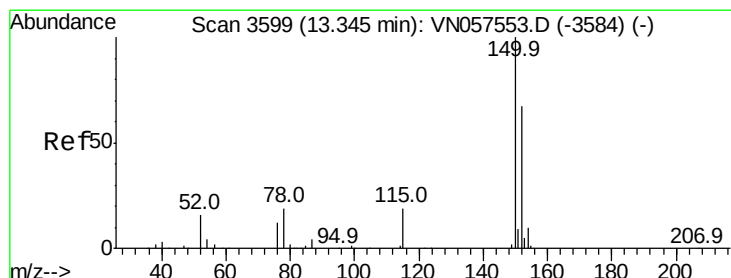
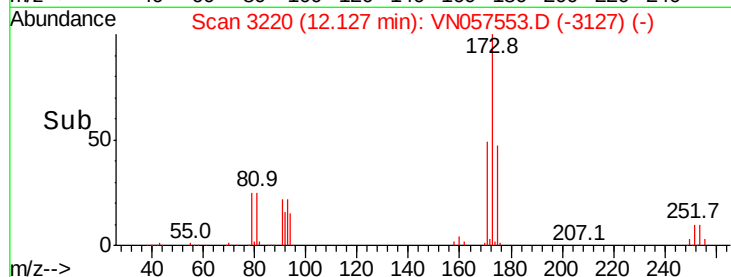
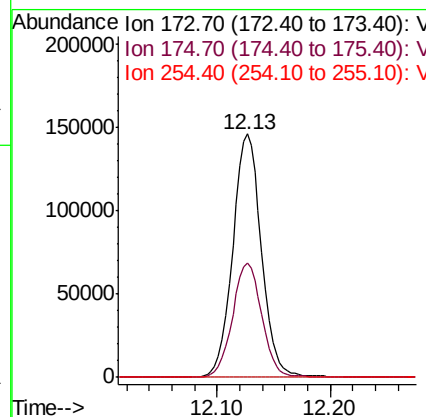
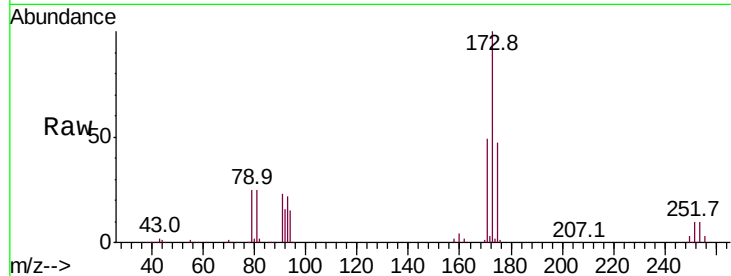
#71
Bromoform
Concen: 63.756 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.9	71.8
254	0.0	0.1	0.1#

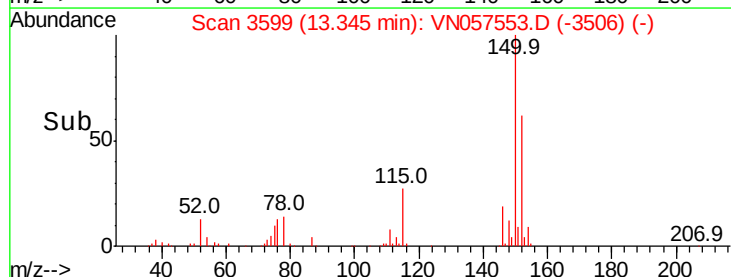
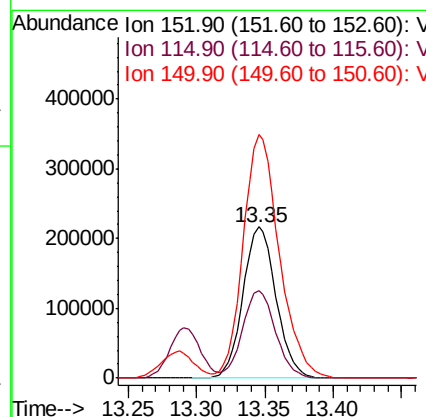
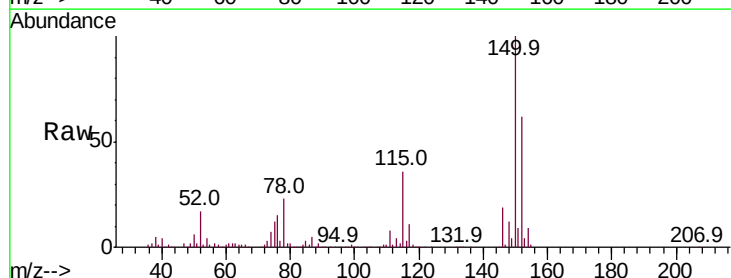
Manual Integrations
APPROVED

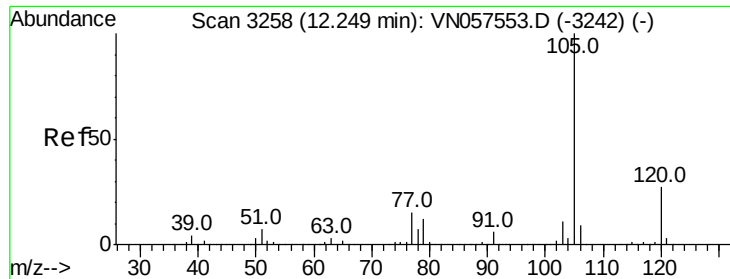
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	32.0	96.0
150	175.9	0.0	346.6





#73

Isopropylbenzene

Concen: 41.153 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1678675

Ion Ratio Lower Upper

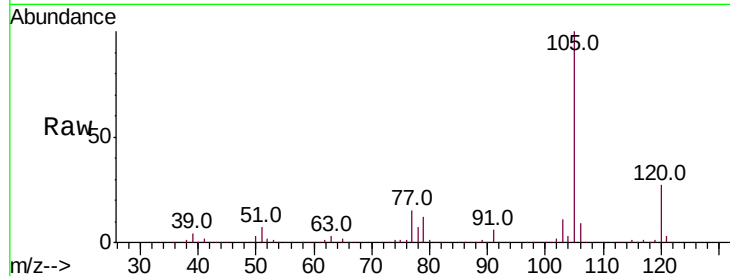
105 100

120 26.4 12.7 38.0

Manual Integrations
APPROVED

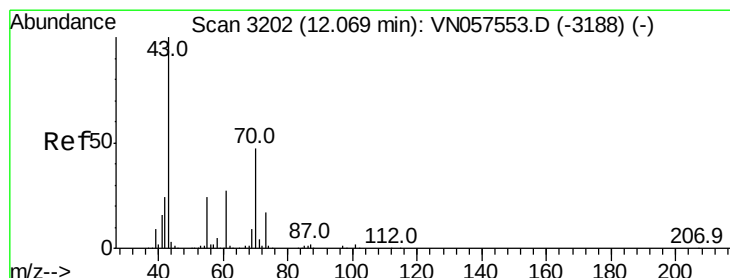
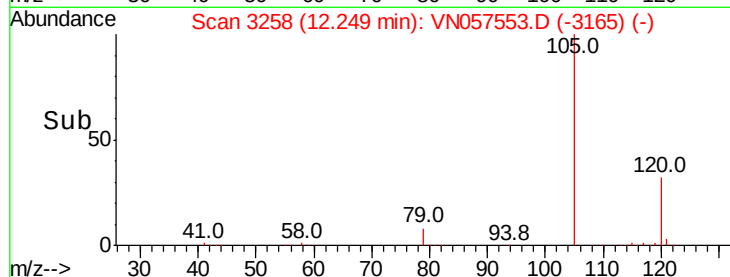
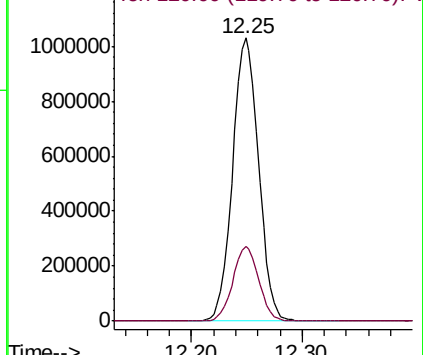
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.167 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion: 43 Resp: 404465

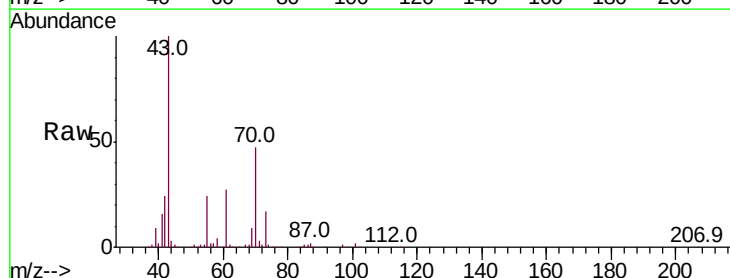
Ion Ratio Lower Upper

43 100

70 48.3 27.8 41.6#

55 24.6 17.0 25.4

61 26.7 17.0 25.6#

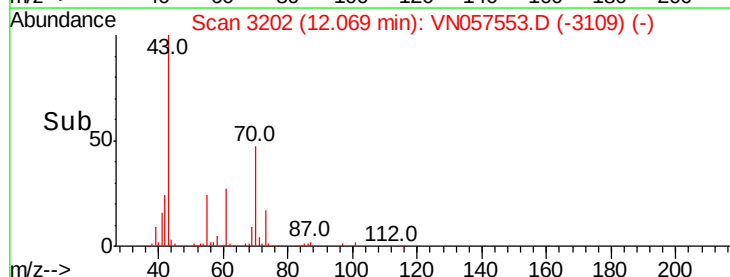
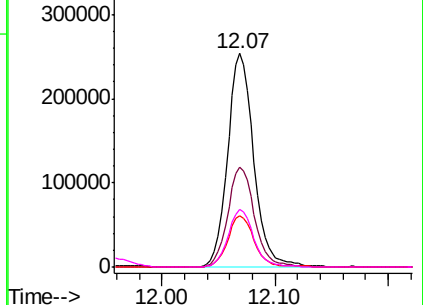


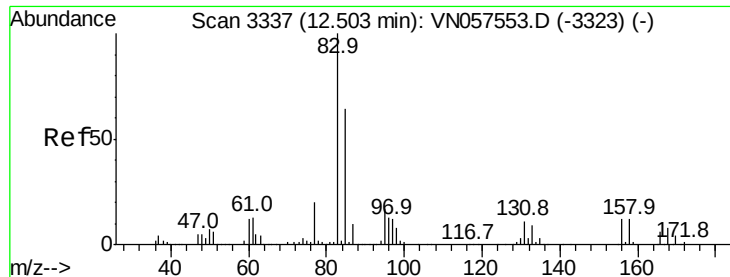
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 34.157 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

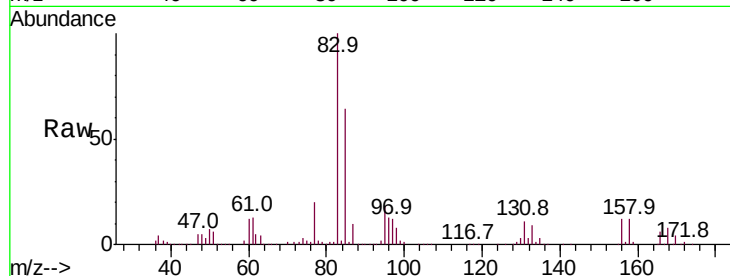
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	399614
Ion	Ratio	Lower	Upper
83	100		
131	11.3	4.3	13.1
85	64.4	32.3	96.8

Manual Integrations
APPROVED

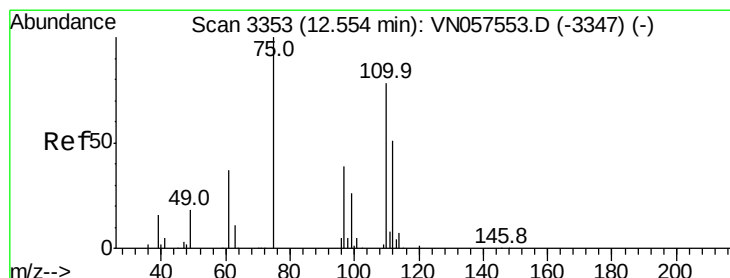
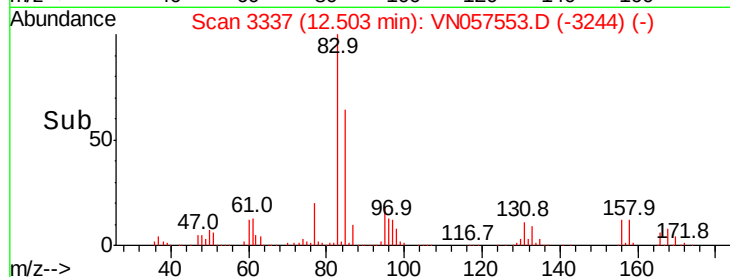
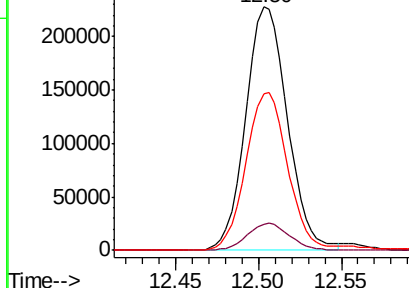
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Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN057553.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN057553.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 37.605 ug/l m

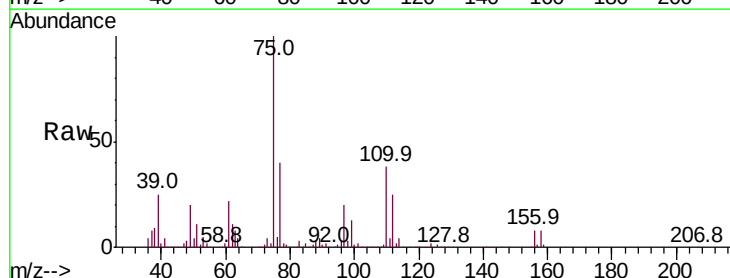
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057553.D

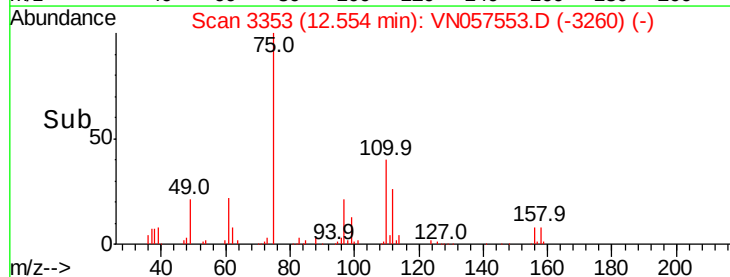
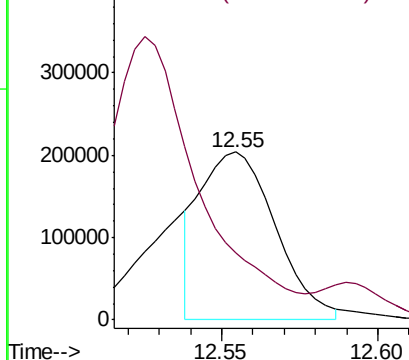
Acq: 29 Aug 2019 16:39

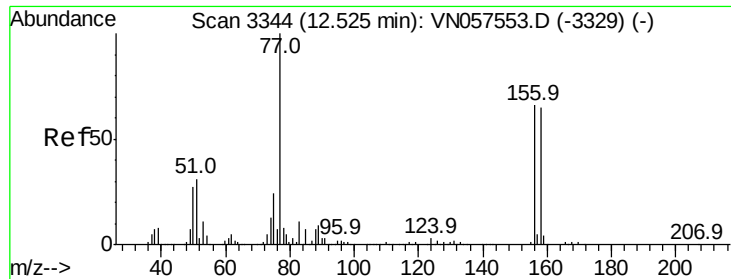
Tgt Ion:	75	Resp:	340149
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN057553.D (-3353) (-)





#77

Bromobenzene

Concen: 48.289 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

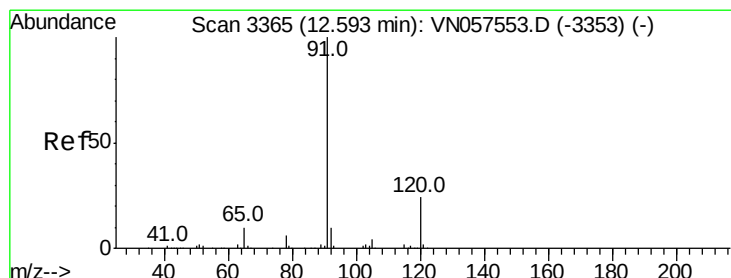
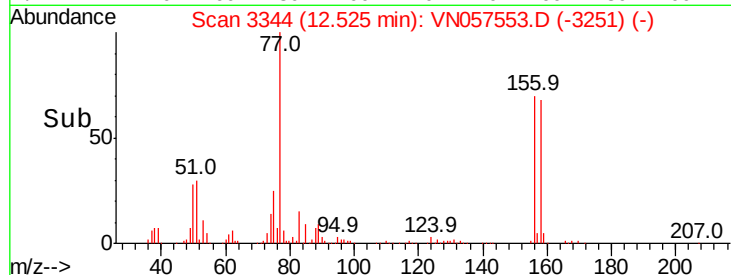
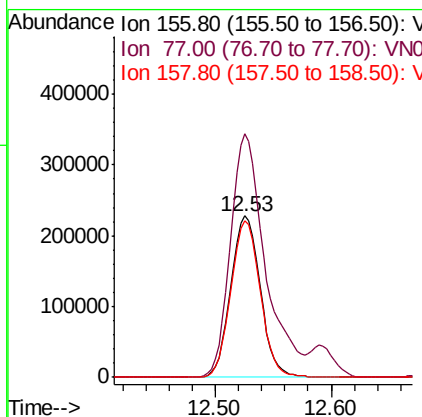
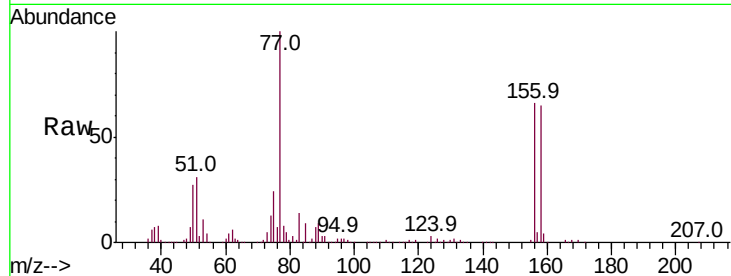
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	400081
Ion	Ratio	Lower	Upper
156	100		
77	178.2	124.4	373.3
158	96.8	48.3	144.8

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#78

n-propylbenzene

Concen: 41.747 ug/l

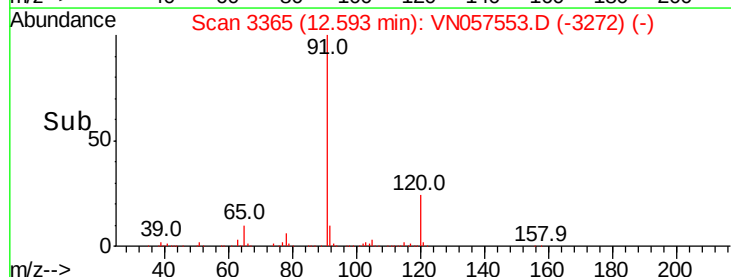
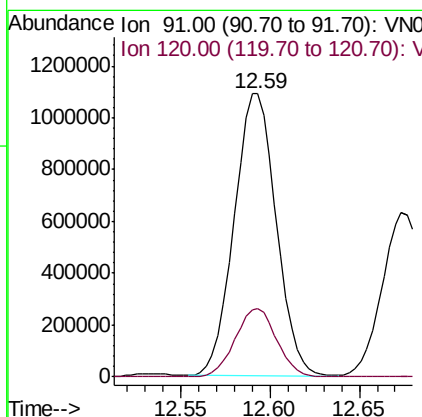
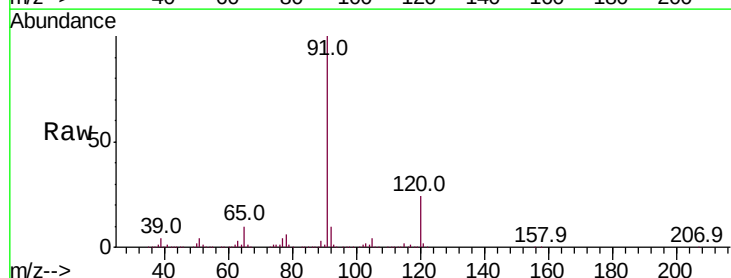
RT: 12.59 min Scan# 3365

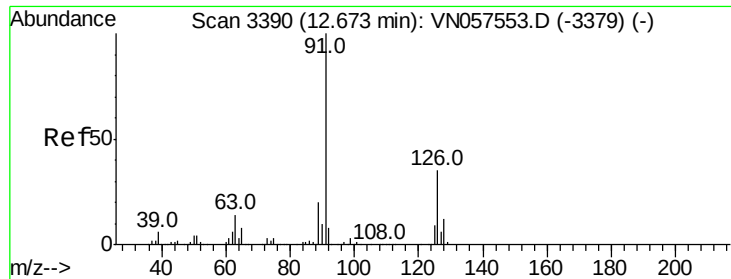
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion:	91	Resp:	1793023
Ion	Ratio	Lower	Upper
91	100		
120	24.0	10.7	32.1





#79

2-Chlorotoluene

Concen: 41.602 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1064758

Ion Ratio Lower Upper

91 100

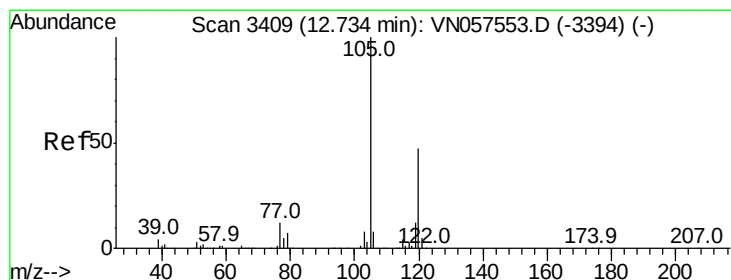
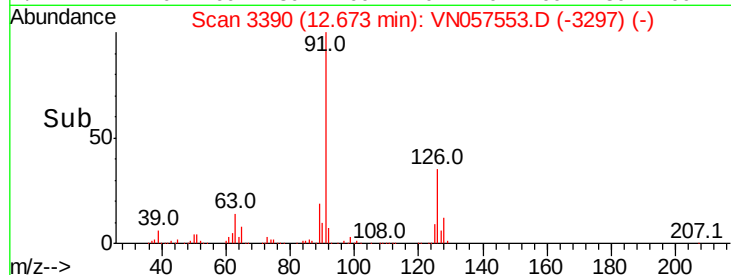
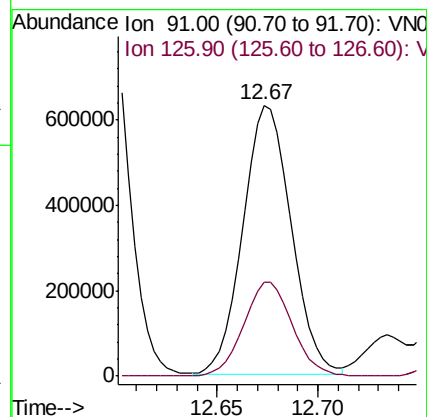
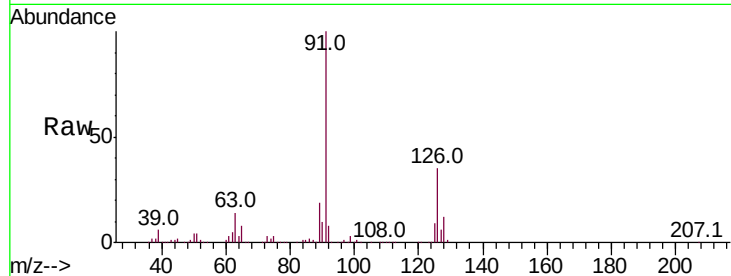
126 35.1 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.997 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057553.D

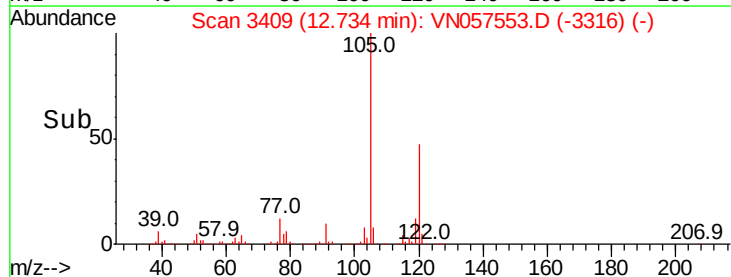
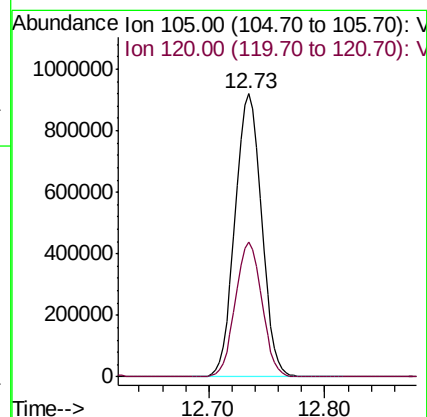
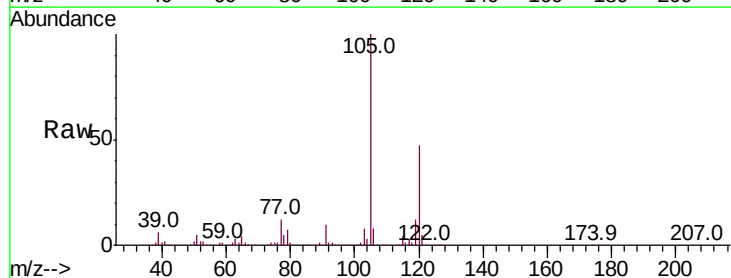
Acq: 29 Aug 2019 16:39

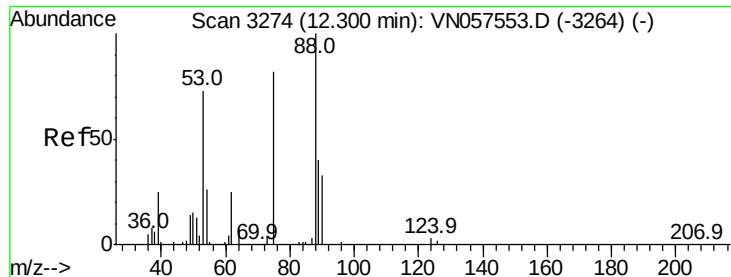
Tgt Ion: 105 Resp: 1453798

Ion Ratio Lower Upper

105 100

120 47.6 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 34.312 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

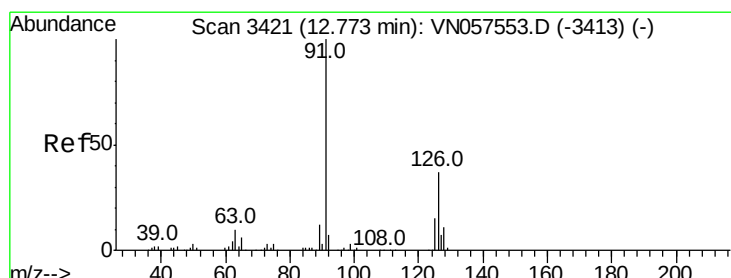
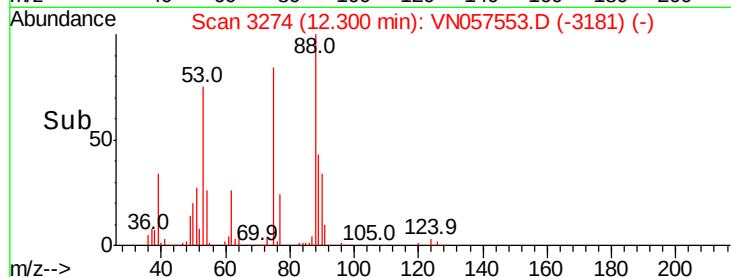
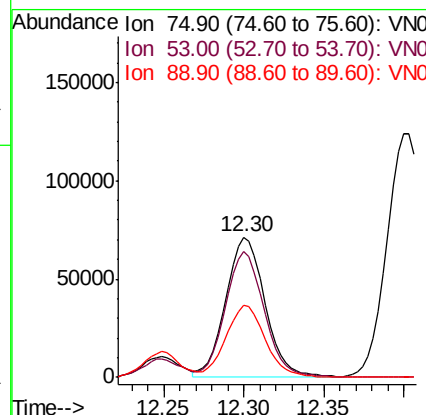
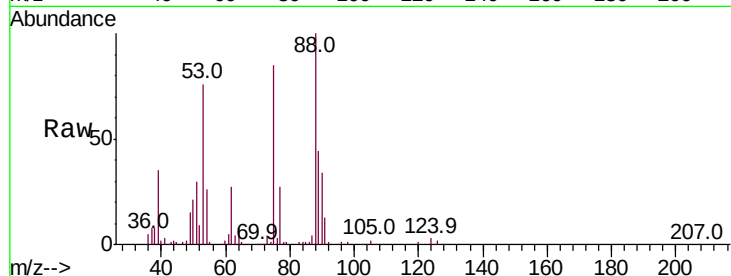
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	117973
Ion	Ratio	Lower	Upper
75	100		
53	90.2	82.7	124.1
89	52.5	35.8	53.8

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#82

4-Chlorotoluene

Concen: 43.180 ug/l

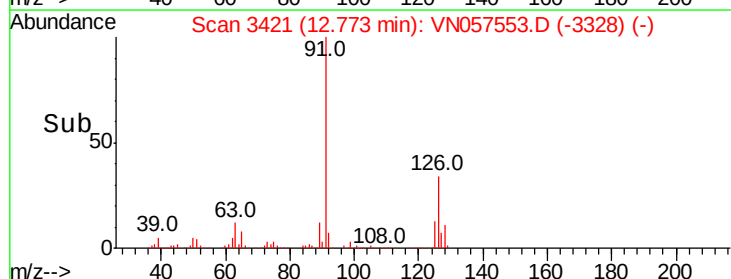
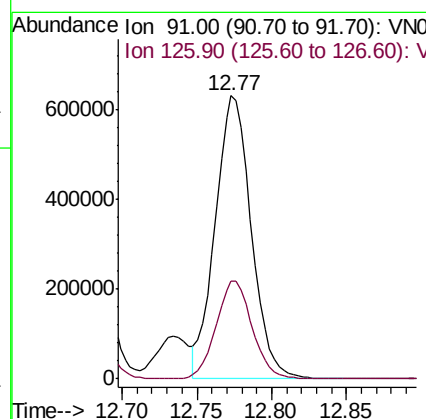
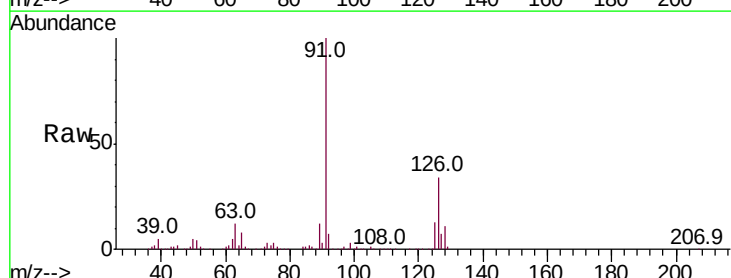
RT: 12.77 min Scan# 3421

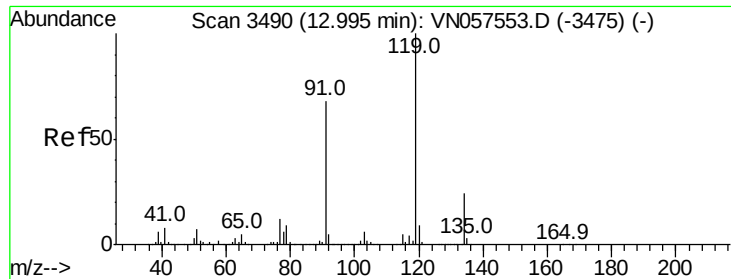
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion:	91	Resp:	1056332
Ion	Ratio	Lower	Upper
91	100		
126	34.8	15.0	45.0





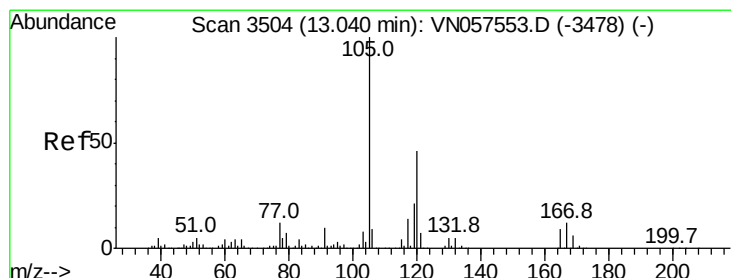
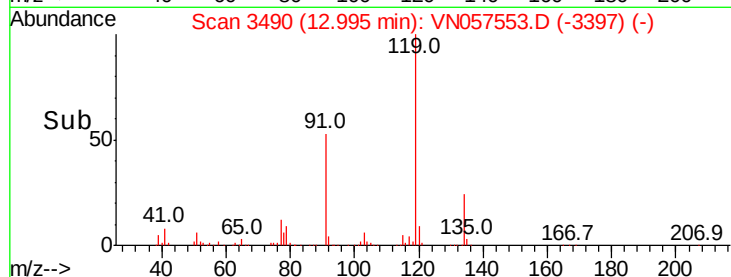
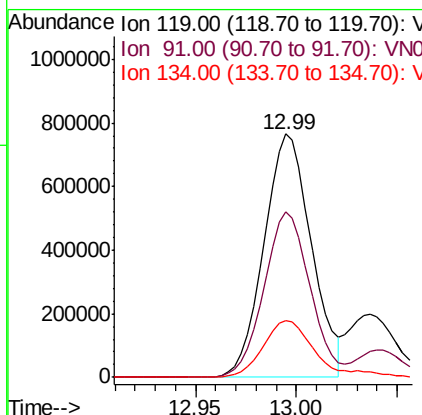
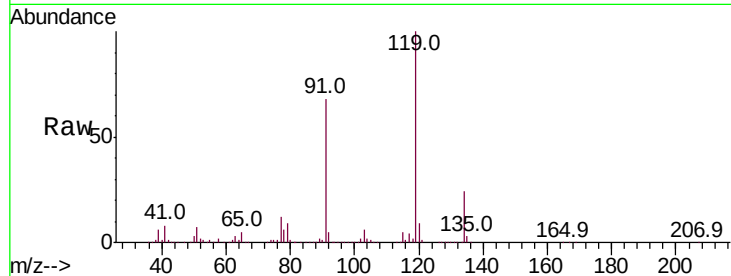
#83
tert-Butylbenzene
Concen: 43.315 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	37.0	111.0
134	25.7	12.2	36.6

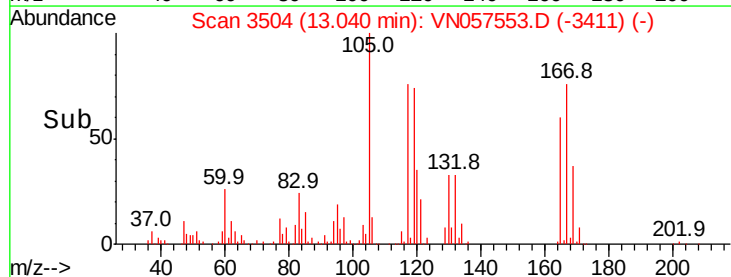
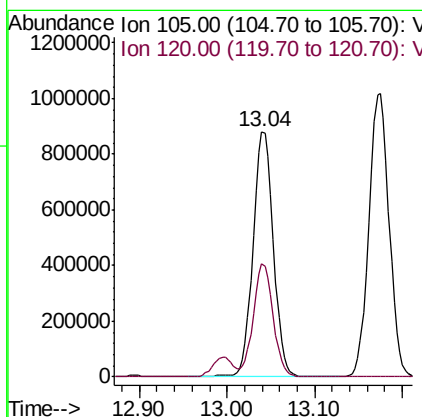
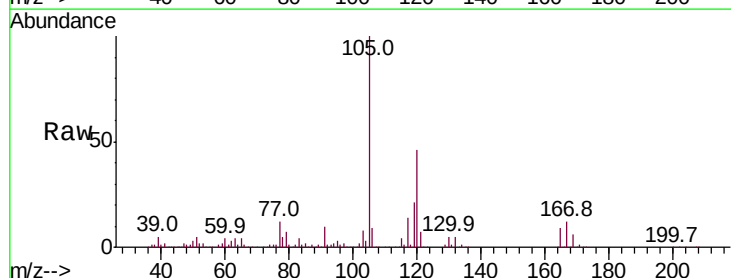
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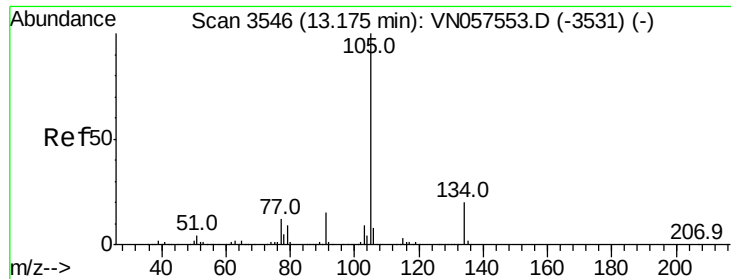
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#84
1,2,4-Trimethylbenzene
Concen: 49.482 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.9	65.7





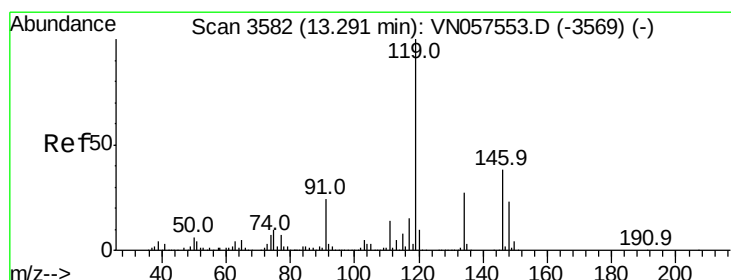
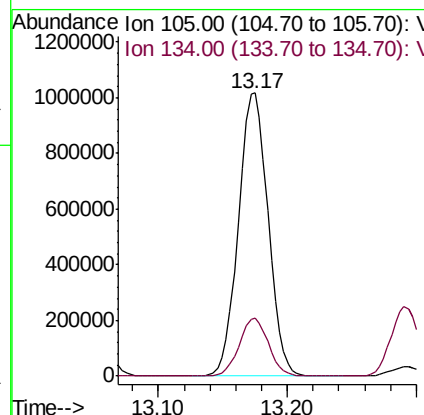
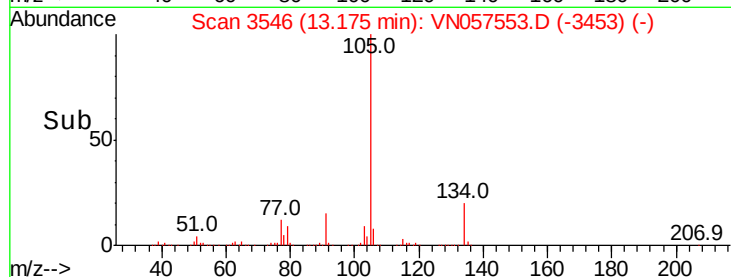
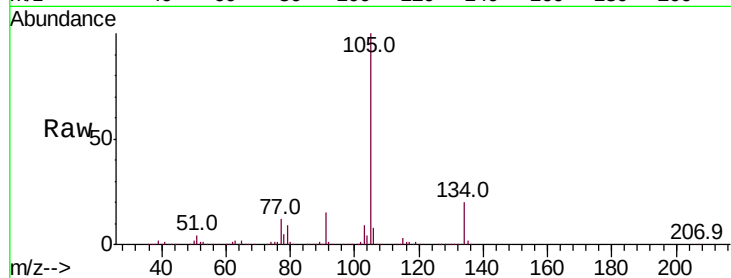
#85
 sec-Butylbenzene
 Concen: 46.170 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1624429
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.3 27.9

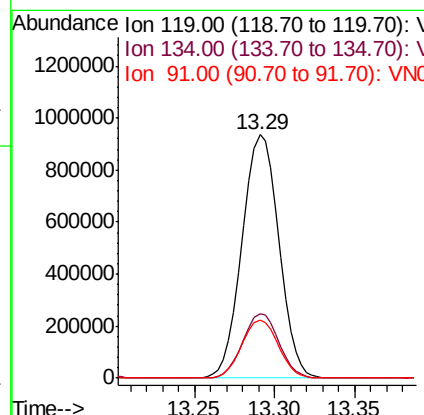
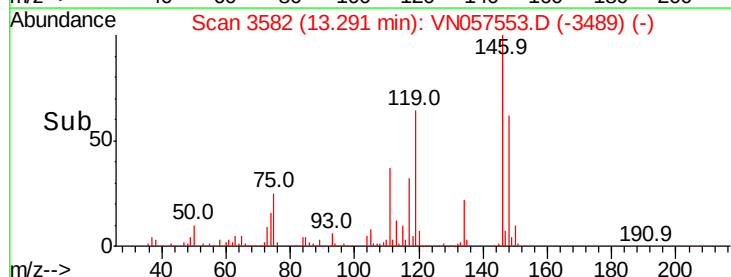
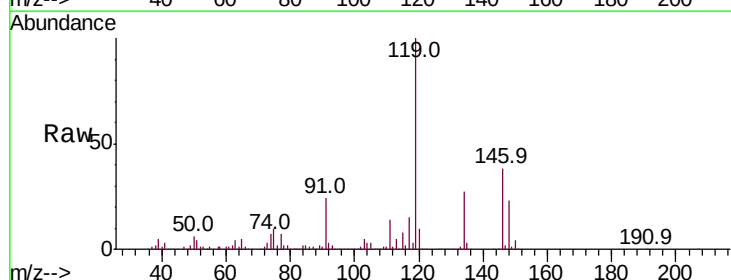
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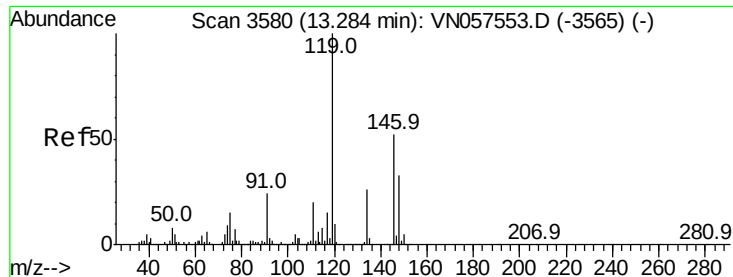
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 9/3/2019 2:38:42 AM



#86
 p-Isopropyltoluene
 Concen: 50.404 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion:119 Resp: 1463618
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.7 38.1
 91 23.7 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 54.832 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057553.D

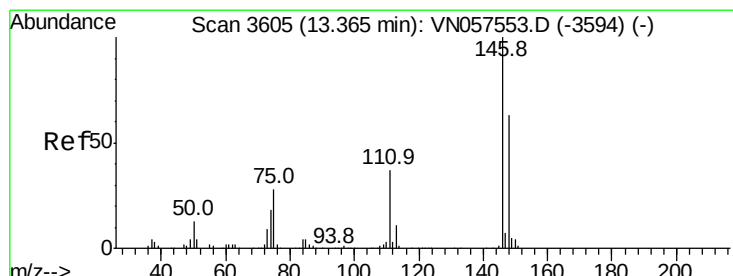
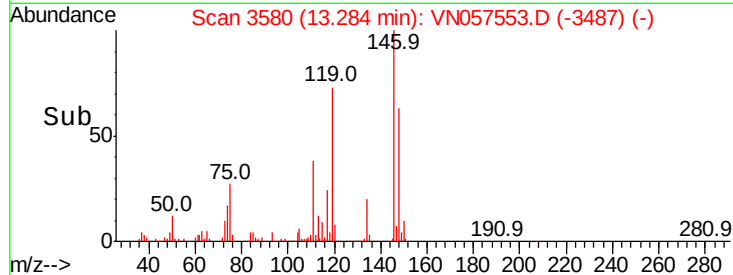
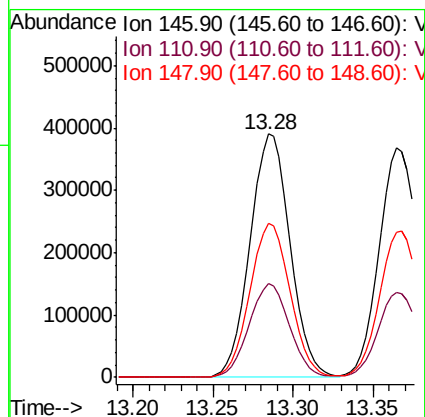
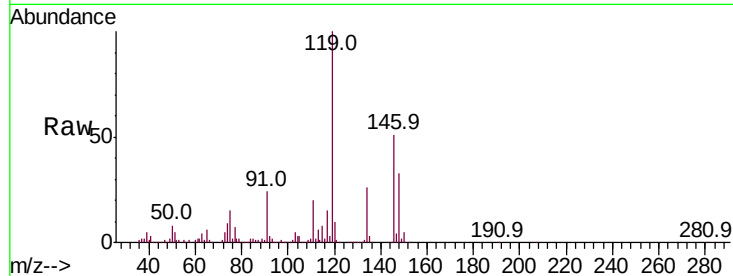
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	667638		
111	38.7	22.1	66.1	
148	63.5	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 53.486 ug/l

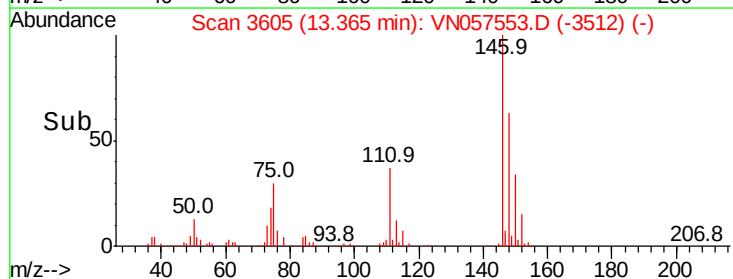
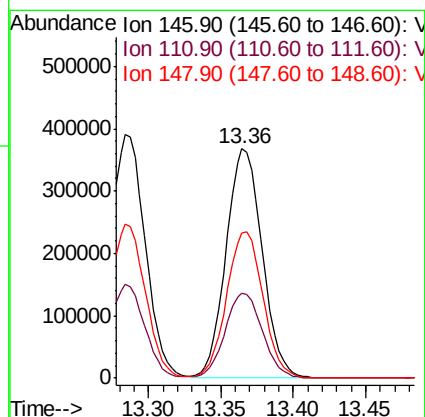
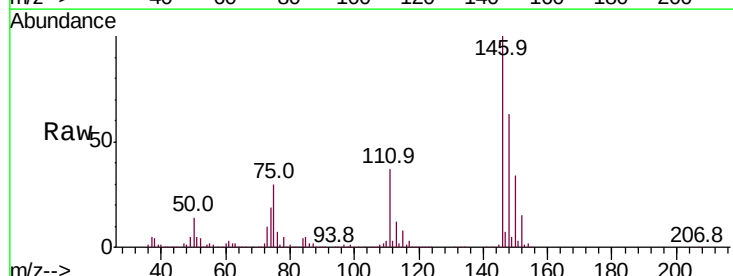
RT: 13.36 min Scan# 3605

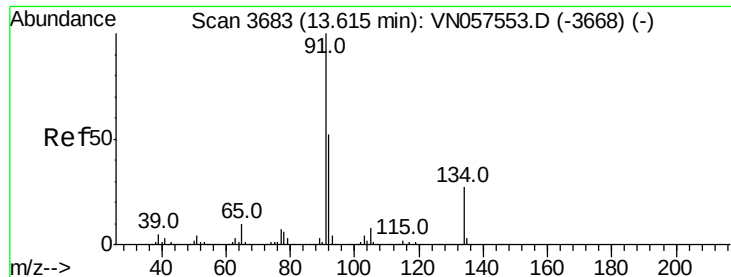
Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	634867		
111	38.1	21.9	65.5	
148	64.6	31.1	93.2	





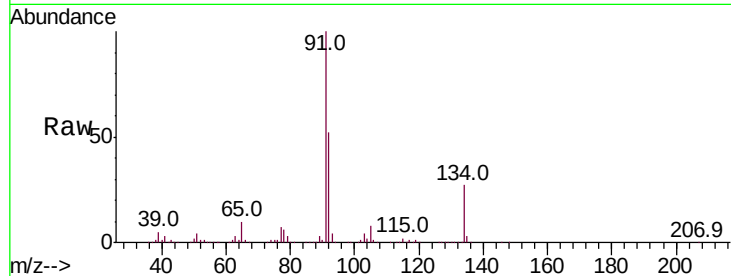
#89
n-Butylbenzene
Concen: 46.735 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

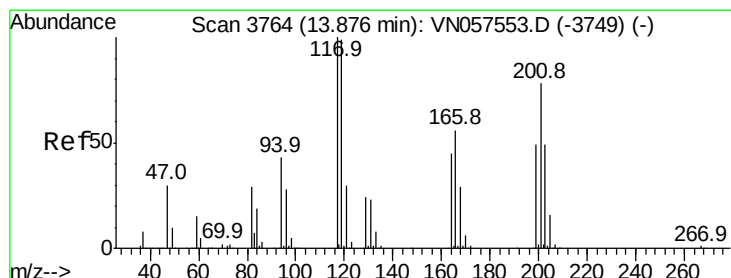
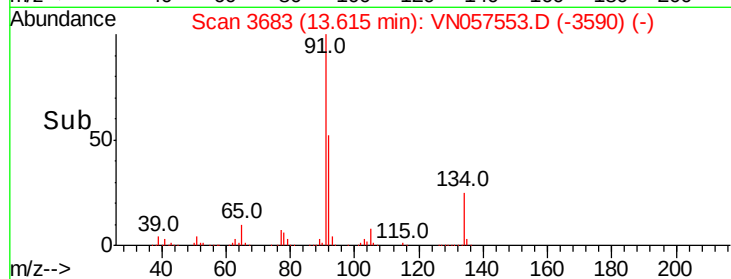
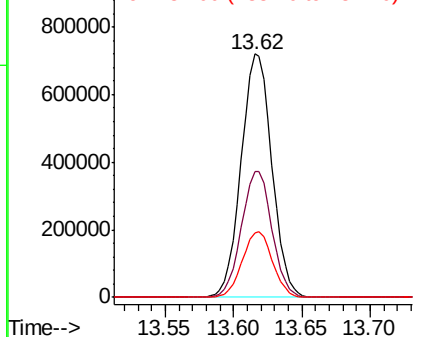
Tot Ion: 91 Resp: 1124094
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.0
134 26.7 11.4 34.1

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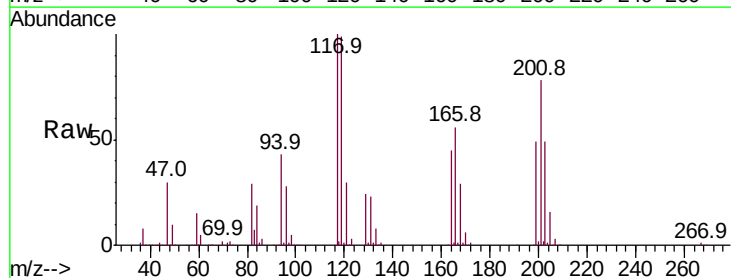


Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN057553.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN057553.D (-3668) (-)

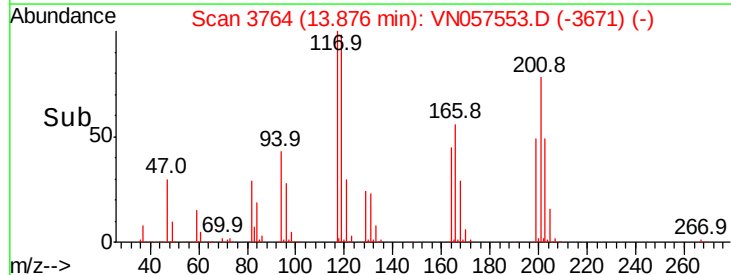
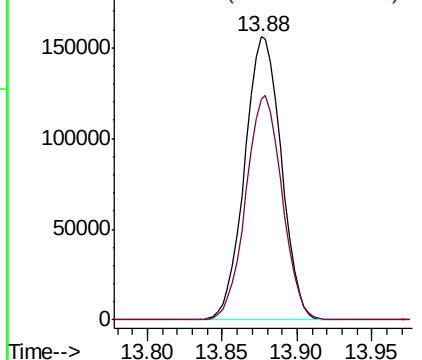


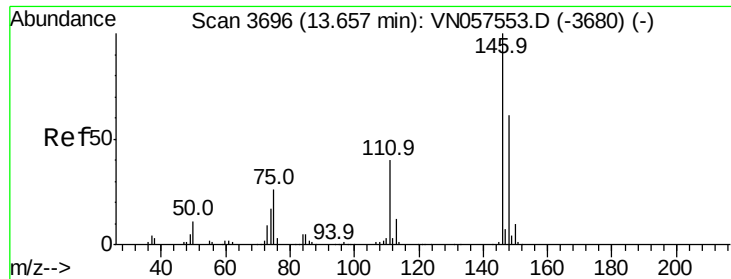
#90
Hexachloroethane
Concen: 40.461 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 117 Resp: 266127
Ion Ratio Lower Upper
117 100
201 78.4 33.1 99.3



Abundance Ion 116.80 (116.50 to 117.50): VN057553.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN057553.D (-3749) (-)





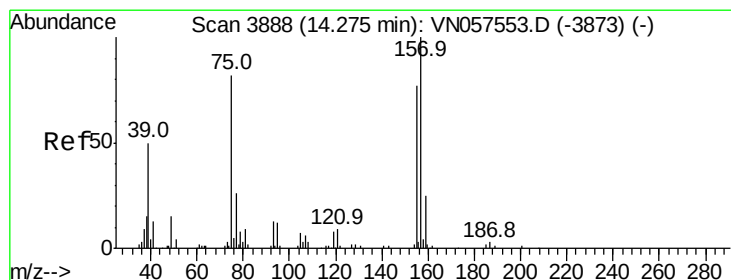
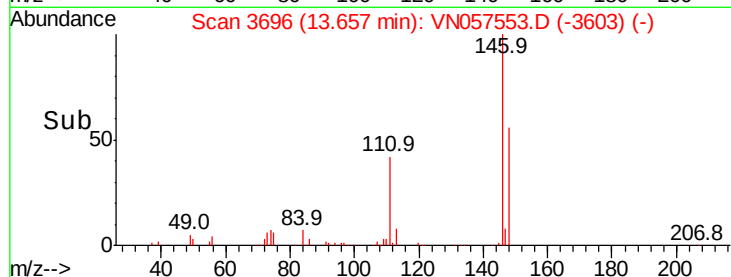
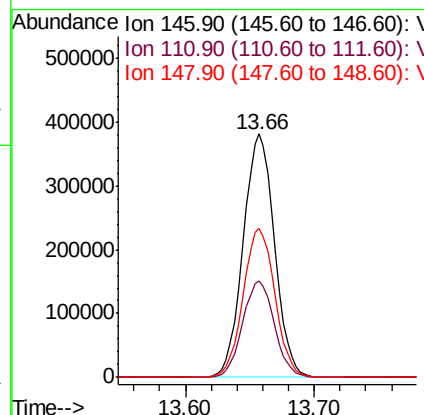
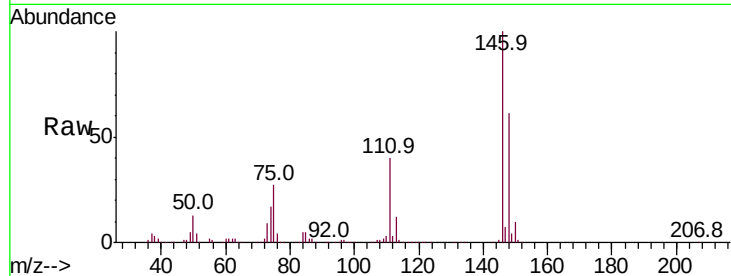
#91
 1,2-Dichlorobenzene
 Concen: 55.408 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	23.1	69.2
148	62.2	31.8	95.4

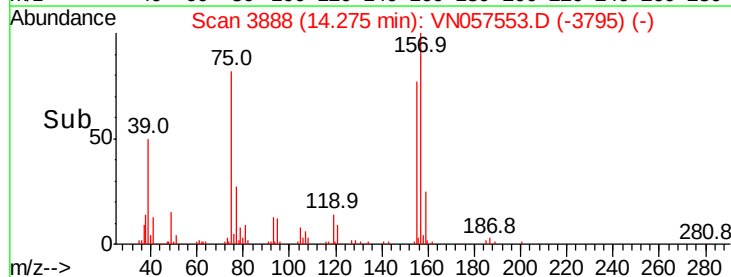
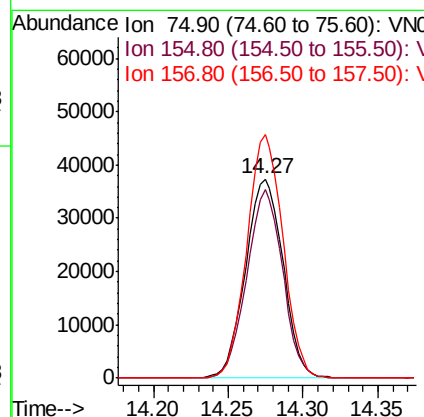
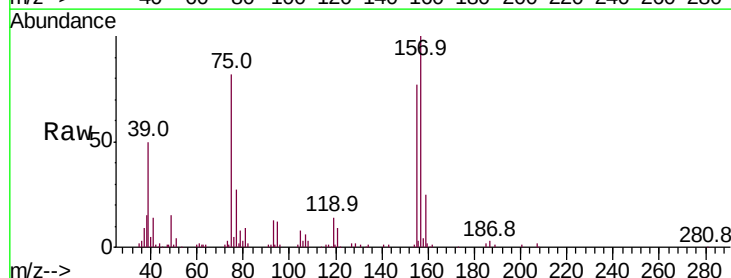
Manual Integrations
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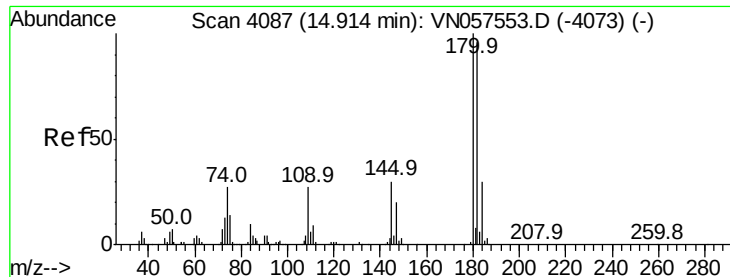
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 34.746 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	31.6	94.7
157	117.2	43.3	129.8





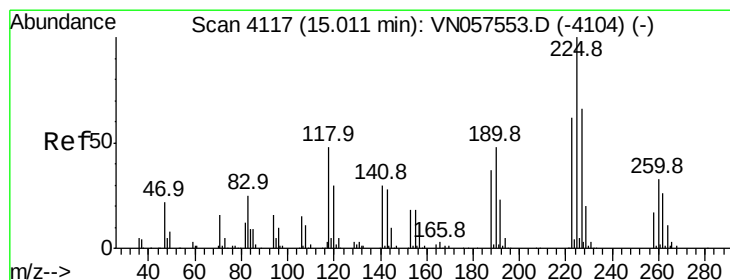
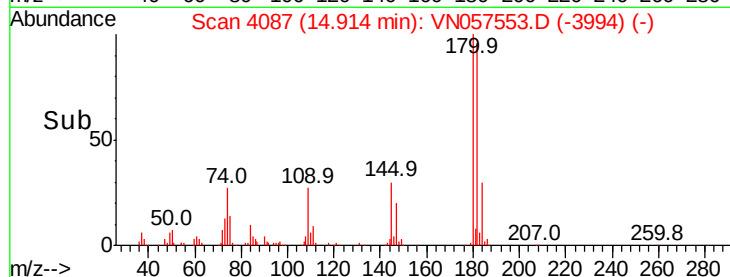
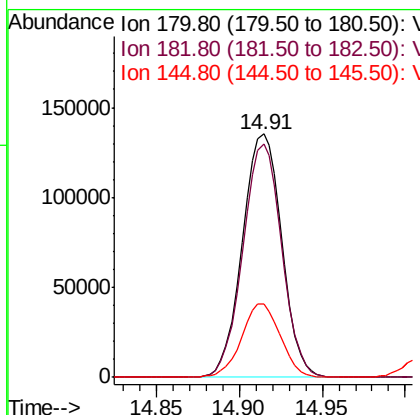
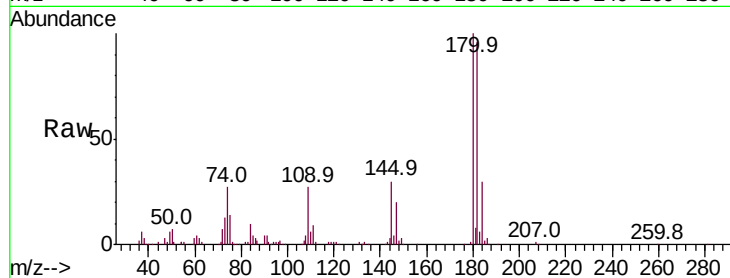
#93
 1,2,4-Trichlorobenzene
 Concen: 52.711 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	46.7	140.1	
145	29.7	15.6	46.8	

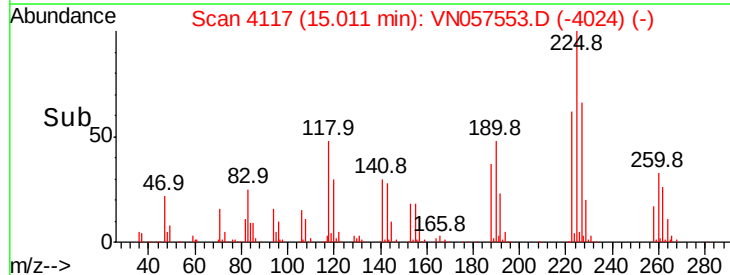
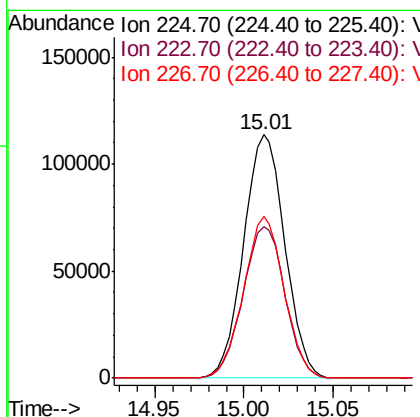
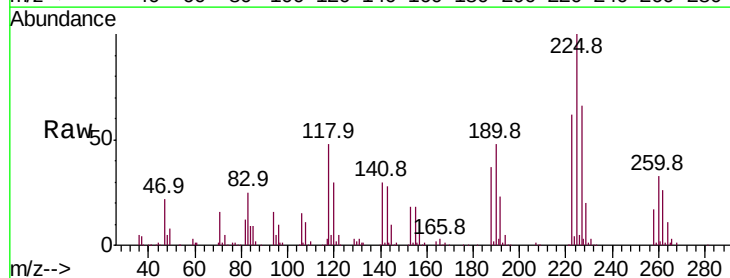
Manual Integrations
 APPROVED

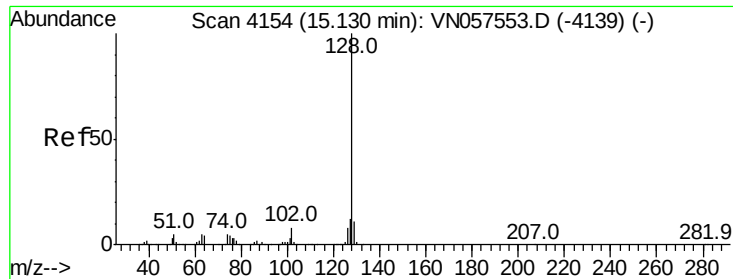
MMDadoda
 9/3/2019 2:38:42 AM



#94
 Hexachlorobutadiene
 Concen: 50.610 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	32.0	96.2	
227	65.4	31.5	94.5	





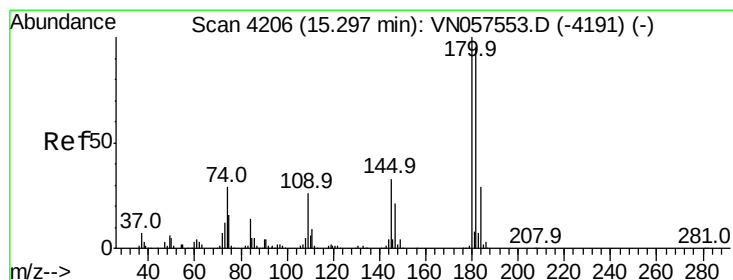
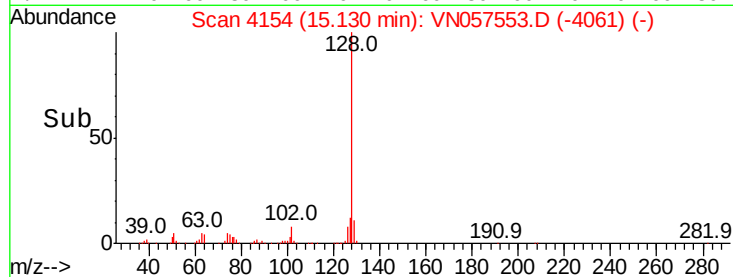
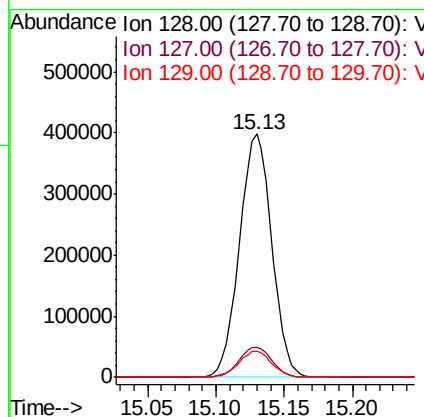
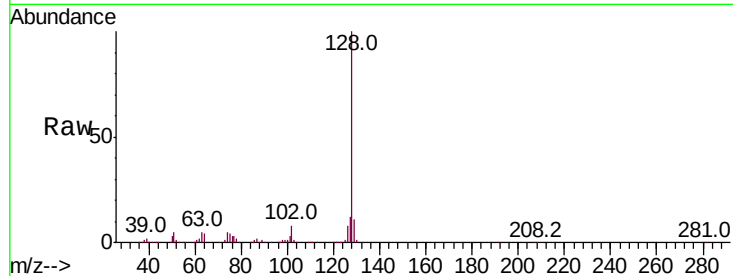
#95
Naphthalene
Concen: 47.489 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	653794		
127	12.7		10.5	15.7
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:38:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.352 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	217187		
182	96.3		46.7	140.1
145	33.2		16.8	50.3

