

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055481.D
 Acq On : 8 May 2019 17:49
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:32:57 PM

Quant Time: May 09 04:04:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	712756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1213496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1064290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	527270	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.59	113	392994	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.09	98	1560638	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.40	95	537712	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	337897	40.439	ug/l	100
3) Chloromethane	2.06	50	548580	50.364	ug/l	100
4) Vinyl Chloride	2.19	62	523068	57.632	ug/l	100
5) Bromomethane	2.53	94	287979	59.231	ug/l	100
6) Chloroethane	2.68	64	301338	60.432	ug/l	100
7) Trichlorofluoromethane	3.01	101	581620	46.962	ug/l	100
8) Diethyl Ether	3.41	74	261119	57.976	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	366674	49.382	ug/l	100
10) Methyl Iodide	3.94	142	536150	51.446	ug/l	100
11) Tert butyl alcohol	4.82	59	401967	536.246	ug/l	100
12) 1,1-Dichloroethene	3.73	96	374559	52.292	ug/l	100
13) Acrolein	3.60	56	259508	482.676	ug/l	100
14) Allyl chloride	4.32	41	788045	53.127	ug/l	100
15) Acrylonitrile	4.99	53	1238527	372.669	ug/l	100
16) Acetone	3.82	43	1193505	367.268	ug/l	100
17) Carbon Disulfide	4.04	76	1040057	55.387	ug/l	100
18) Methyl Acetate	4.33	43	527320	58.704	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1280762	61.768	ug/l	100
20) Methylene Chloride	4.55	84	464950	51.258	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	407633	53.571	ug/l	100
22) Diisopropyl ether	5.96	45	1640309	55.356	ug/l	100
23) Vinyl Acetate	5.90	43	6597885	329.141	ug/l	100
24) 1,1-Dichloroethane	5.85	63	841417	53.296	ug/l	100
25) 2-Butanone	6.85	43	1781311	417.253	ug/l	100
26) 2,2-Dichloropropane	6.82	77	543437	50.561	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	484016	55.636	ug/l	100
28) Bromochloromethane	7.20	49	453876	56.383	ug/l	100
29) Tetrahydrofuran	7.22	42	1140248	416.906	ug/l	100
30) Chloroform	7.37	83	784560	52.614	ug/l	100
31) Cyclohexane	7.65	56	805706	53.211	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	607958	50.679	ug/l	100
36) 1,1-Dichloropropene	7.79	75	607650	51.469	ug/l	100
37) Ethyl Acetate	6.94	43	674273	69.280	ug/l	100
38) Carbon Tetrachloride	7.77	117	487394	44.021	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	719858	56.591	ug/l	100
40) Benzene	8.04	78	1880076	53.886	ug/l	100
41) Methacrylonitrile	7.18	41	333841	66.388	ug/l	100
42) 1,2-Dichloroethane	8.13	62	633195	51.468	ug/l	100
43) Isopropyl Acetate	8.17	43	1059864	68.911	ug/l	100
44) Trichloroethene	8.83	130	435292	49.542	ug/l	100
45) 1,2-Dichloropropane	9.12	63	524209	52.286	ug/l	100
46) Dibromomethane	9.21	93	306271	55.226	ug/l	100
47) Bromodichloromethane	9.40	83	593760	50.886	ug/l	100
48) Methyl methacrylate	9.20	41	505657	67.264	ug/l	100
49) 1,4-Dioxane	9.20	88	197091	2110.696	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3438634	383.088	ug/l	100
52) Toluene	10.16	92	1093154	54.553	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	611827	59.409	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	727862	57.094	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	431140	57.238	ug/l	100
56) Ethyl methacrylate	10.43	69	677241	70.280	ug/l	100
57) 1,3-Dichloropropane	10.71	76	777130	58.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1027126	392.807	ug/l	100
59) 2-Hexanone	10.75	43	2406214	415.850	ug/l	100
60) Dibromochloromethane	10.90	129	415661	55.194	ug/l	100
61) 1,2-Dibromoethane	11.01	107	429757	61.135	ug/l	100
64) Tetrachloroethene	10.63	164	417176	47.652	ug/l	100
65) Chlorobenzene	11.43	112	1099399	52.155	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	381751	47.126	ug/l	100
67) Ethyl Benzene	11.51	91	2081452	54.435	ug/l	100
68) m/p-Xylenes	11.62	106	1512103	110.530	ug/l	100
69) o-Xylene	11.95	106	743360	54.807	ug/l	100
70) Styrene	11.96	104	1257273	60.055	ug/l	100
71) Bromoform	12.13	173	274848	59.428	ug/l	100
73) Isopropylbenzene	12.25	105	1959813	42.767	ug/l	100
74) N-amyl acetate	12.07	43	866965	68.555	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	638327	52.627	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	585036m	53.671	ug/l	
77) Bromobenzene	12.53	156	450817	43.495	ug/l	100
78) n-propylbenzene	12.59	91	2278001	48.020	ug/l	100
79) 2-Chlorotoluene	12.67	91	1389228	45.792	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1700229	46.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	164875	63.102	ug/l	100
82) 4-Chlorotoluene	12.77	91	1352904	48.874	ug/l	100
83) tert-Butylbenzene	12.99	119	1420144	43.832	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1632521	50.353	ug/l	100
85) sec-Butylbenzene	13.17	105	1914360	48.405	ug/l	100
86) p-Isopropyltoluene	13.29	119	1640435	50.539	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	769042	49.813	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	742776	51.060	ug/l	100
89) n-Butylbenzene	13.61	91	1369357	58.513	ug/l	100
90) Hexachloroethane	13.87	117	255387	42.318	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	760448	49.650	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	105476	78.719	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	315475	64.552	ug/l	100
94) Hexachlorobutadiene	15.01	225	237674	42.298	ug/l	100
95) Naphthalene	15.13	128	902293	79.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	353663	69.035	ug/l	100

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

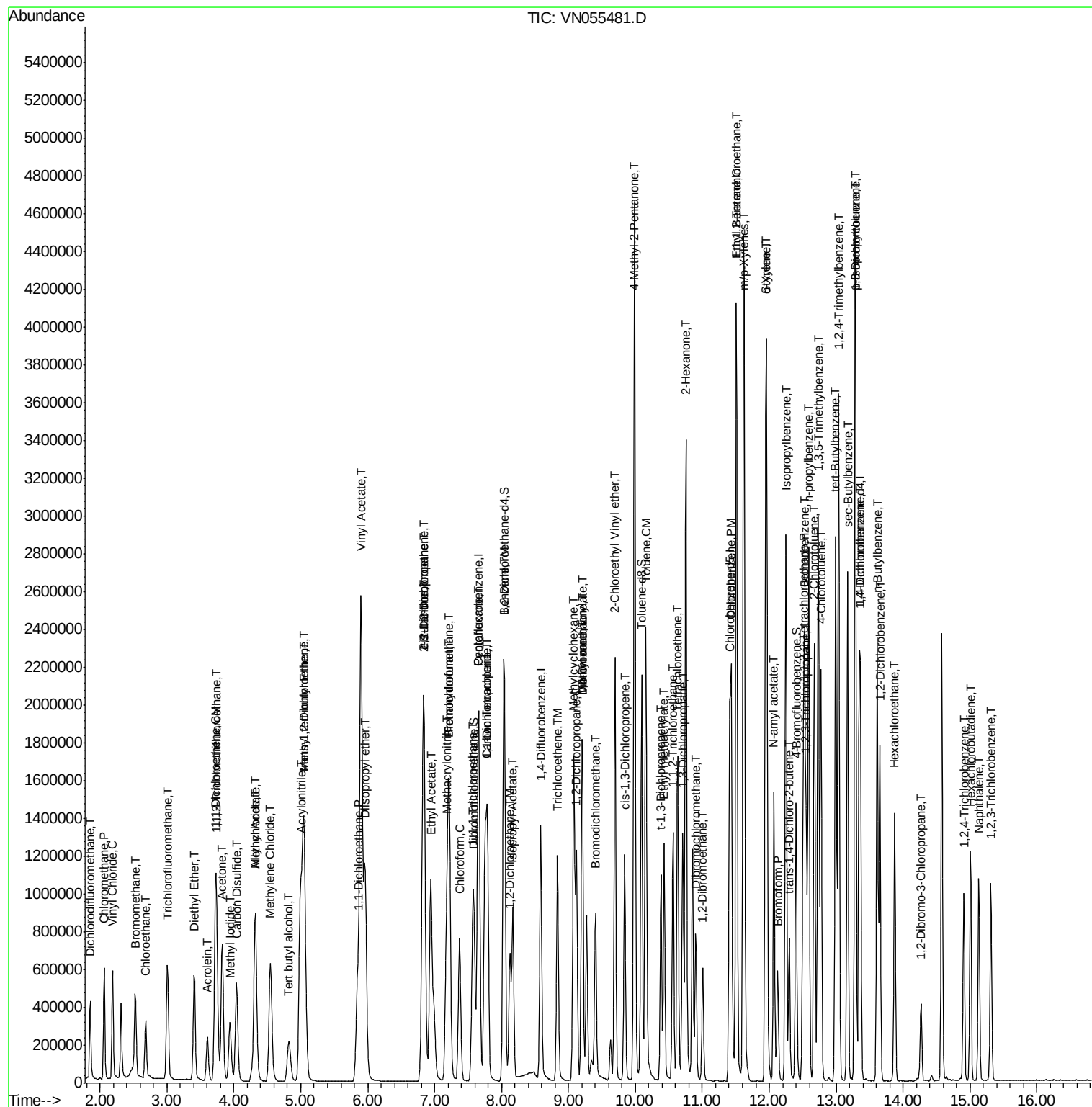
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050819\
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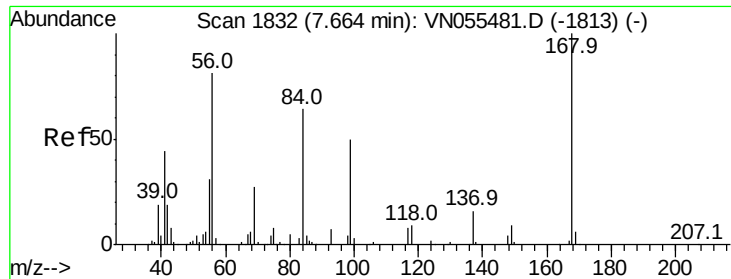
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 712756

Ion Ratio Lower Upper

168 100

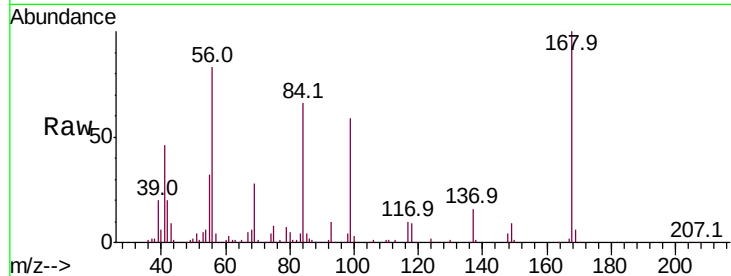
99 58.7 47.0 70.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

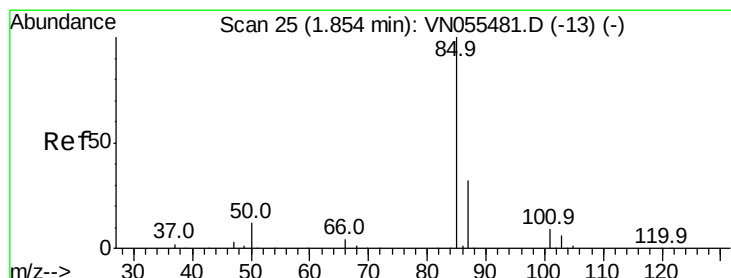
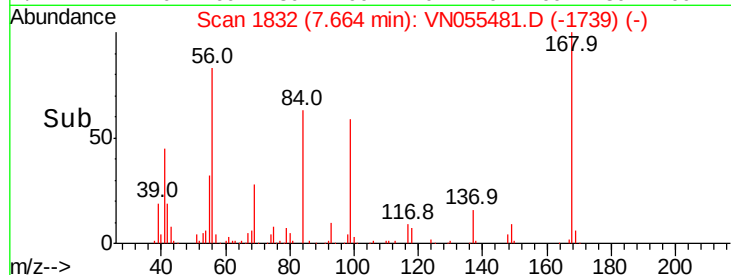
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.439 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055481.D

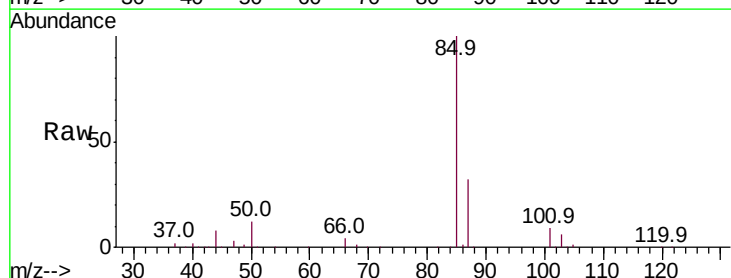
Acq: 8 May 2019 17:49

Tgt Ion: 85 Resp: 337897

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

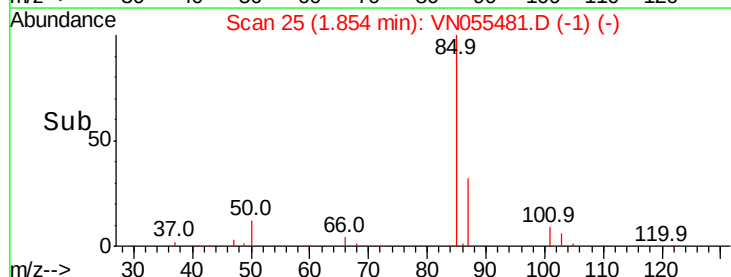
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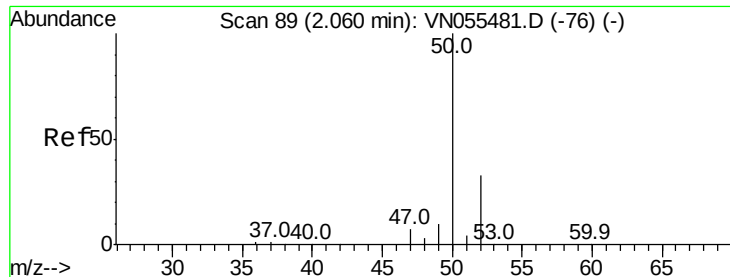
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.364 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 548580

Ion Ratio Lower Upper

50 100

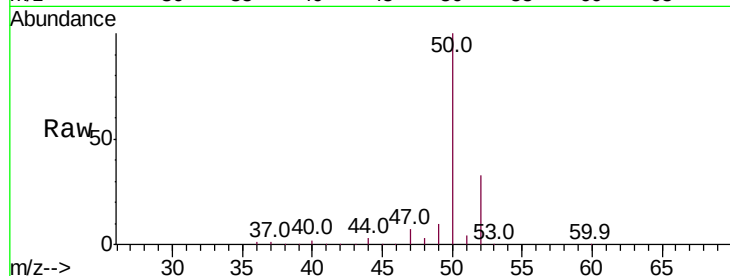
52 33.2 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

400000

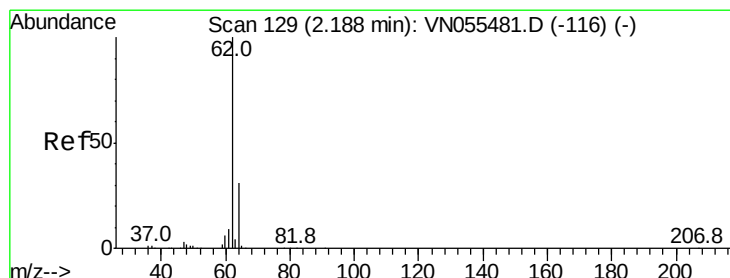
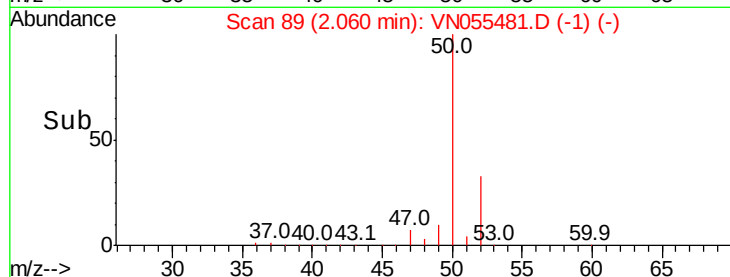
300000

200000

100000

0

Time--> 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 57.632 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055481.D

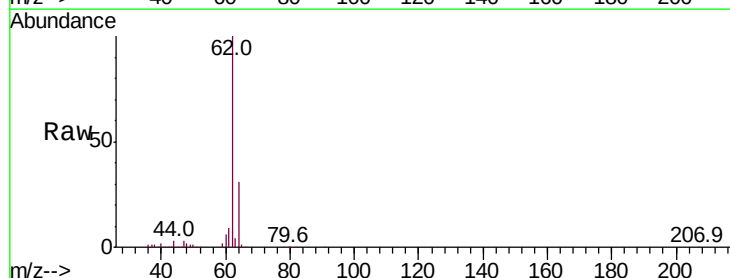
Acq: 8 May 2019 17:49

Tgt Ion: 62 Resp: 523068

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

400000

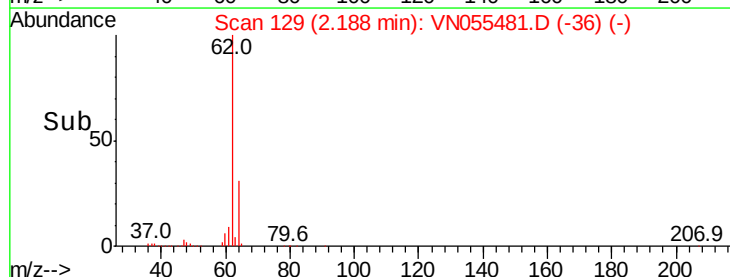
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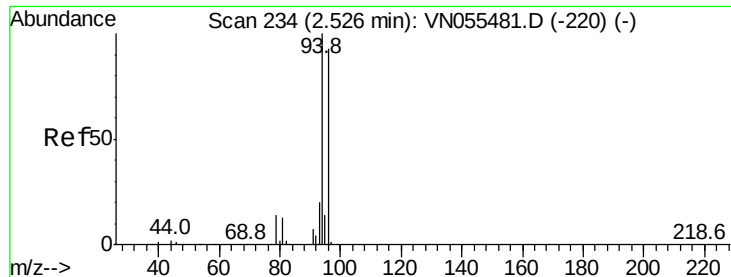
200000

100000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 59.231 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 287979

Ion Ratio Lower Upper

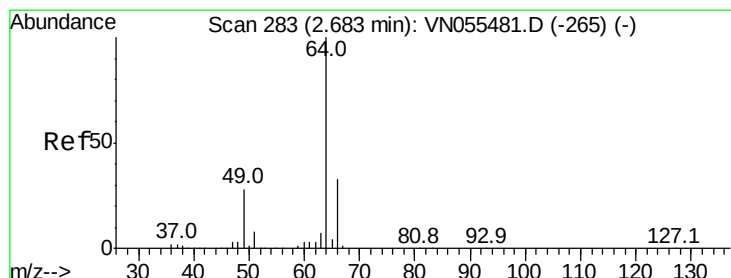
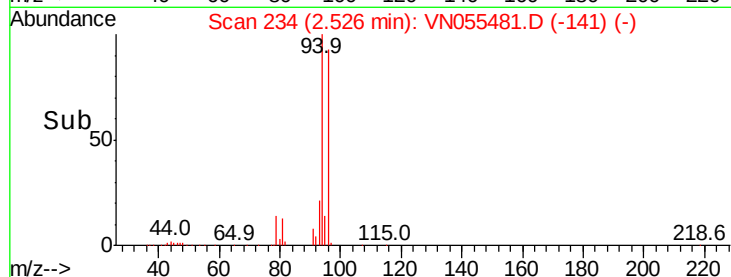
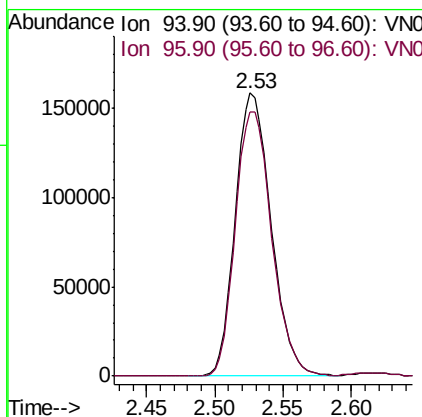
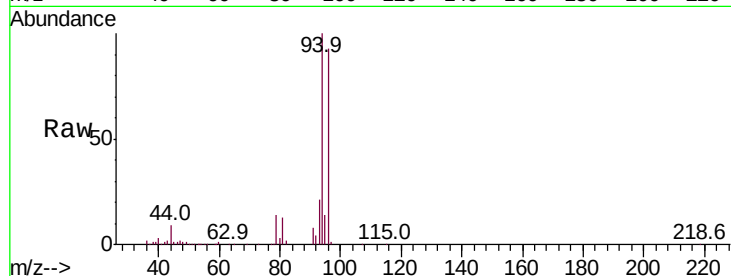
94 100

96 93.5 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 60.432 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055481.D

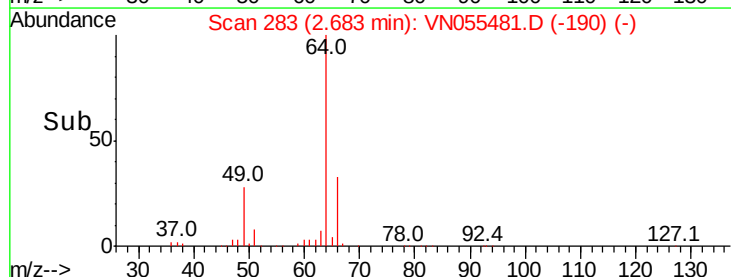
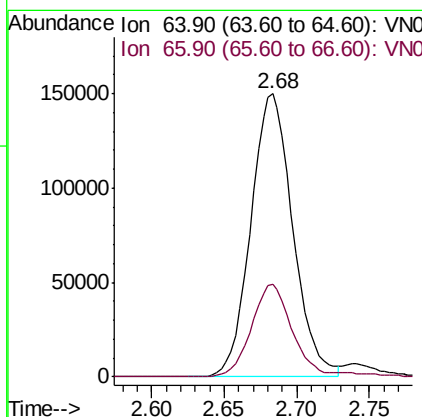
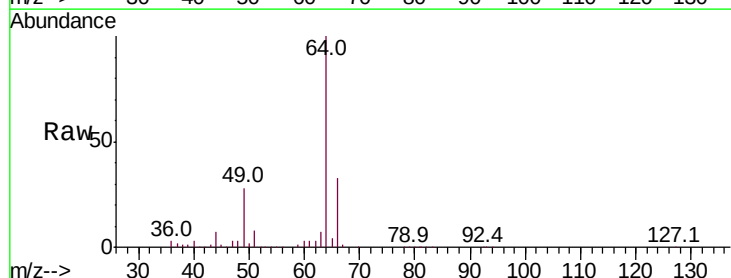
Acq: 8 May 2019 17:49

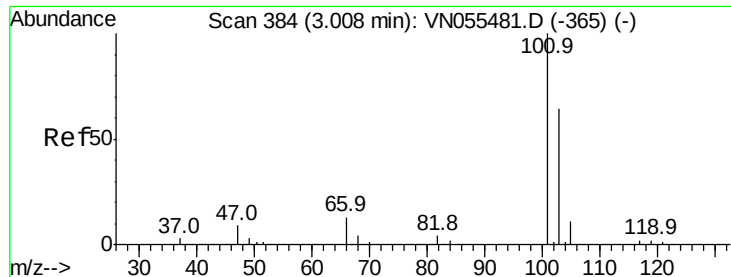
Tgt Ion: 64 Resp: 301338

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

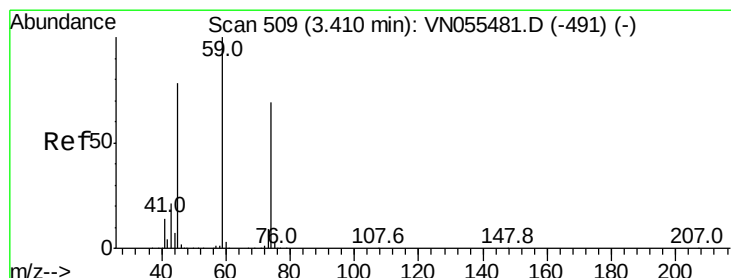
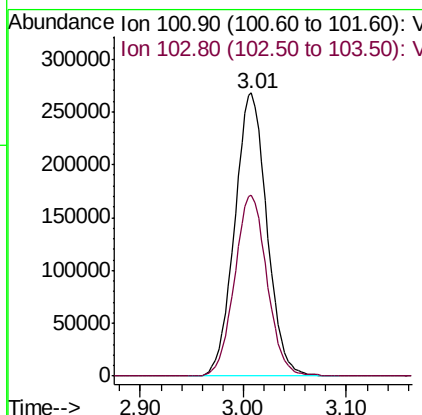
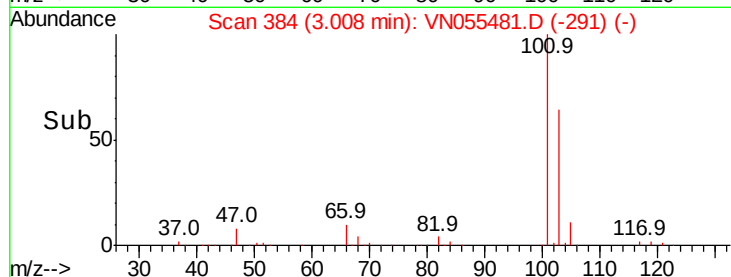
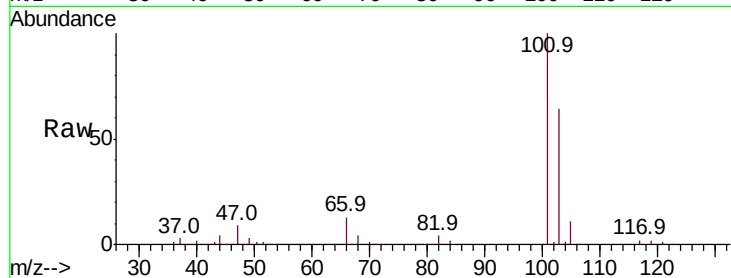
Trichlorofluoromethane
Concen: 46.962 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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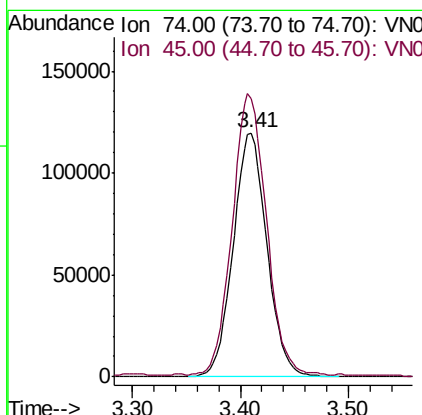
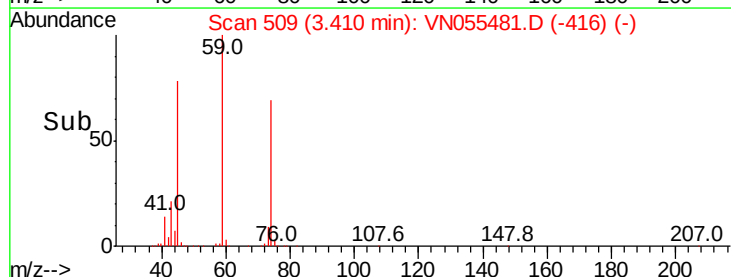
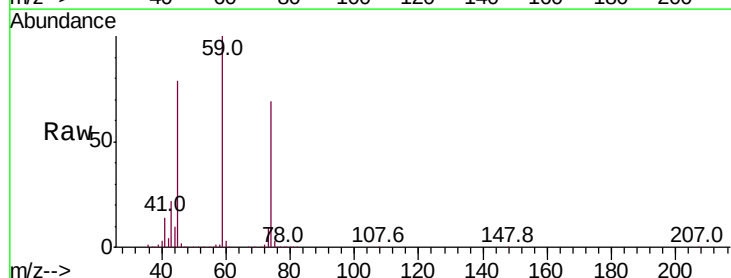
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5/9/2019 6:32:57 PM

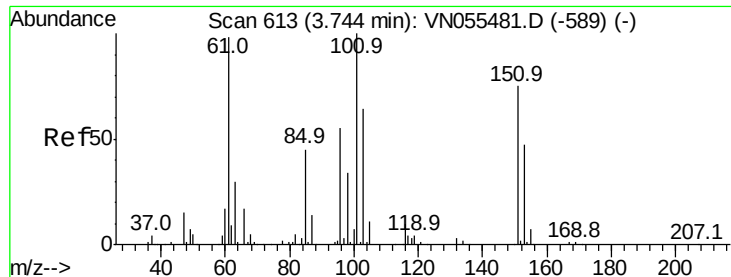


#8

Diethyl Ether
Concen: 57.976 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.2	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.382 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

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MSVOA_N

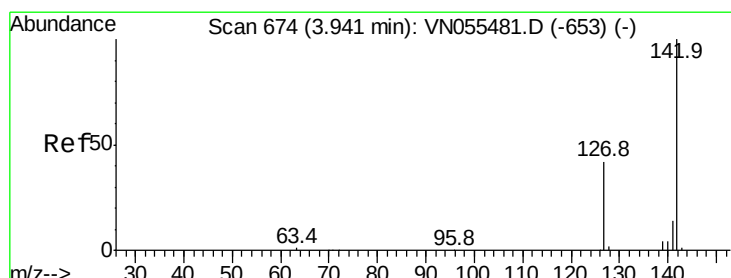
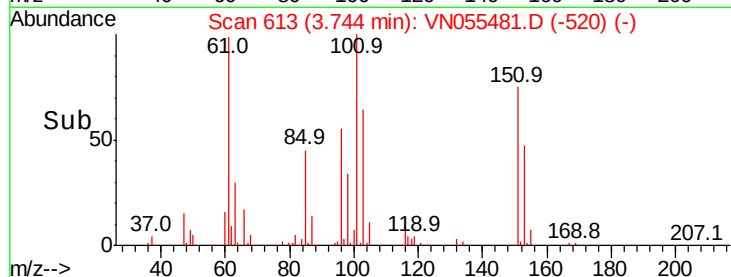
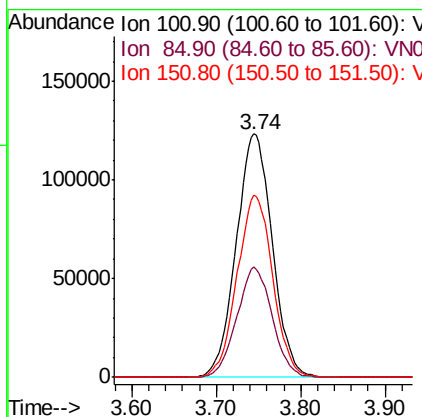
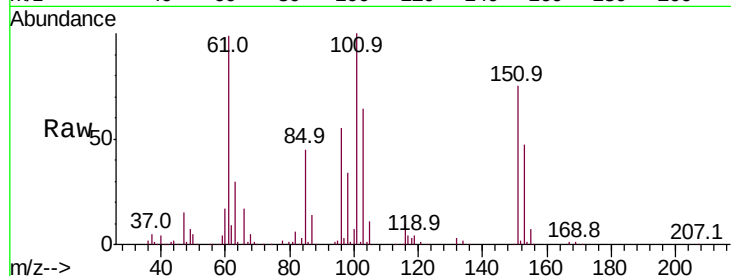
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	366674
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.5	53.3
151	74.0	59.2	88.8

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#10

Methyl Iodide

Concen: 51.446 ug/l

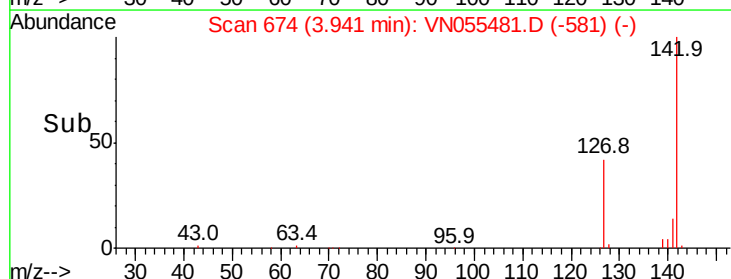
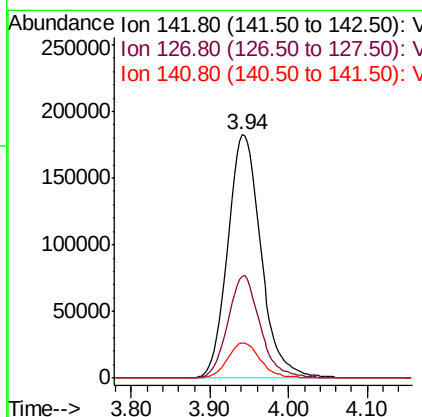
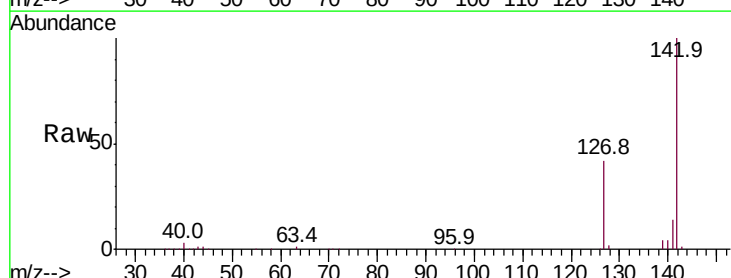
RT: 3.94 min Scan# 674

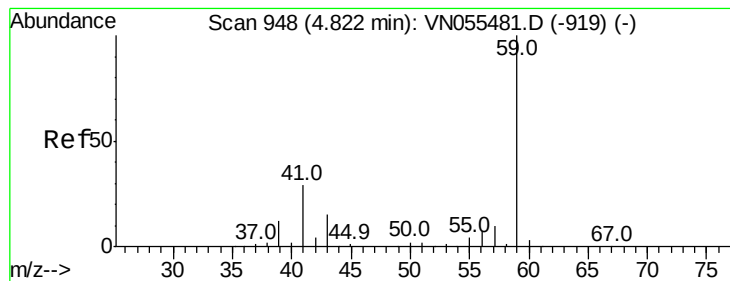
Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion:	142	Resp:	536150
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.2	11.4	17.0





#11

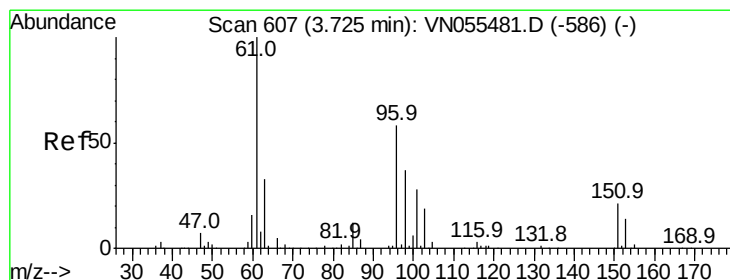
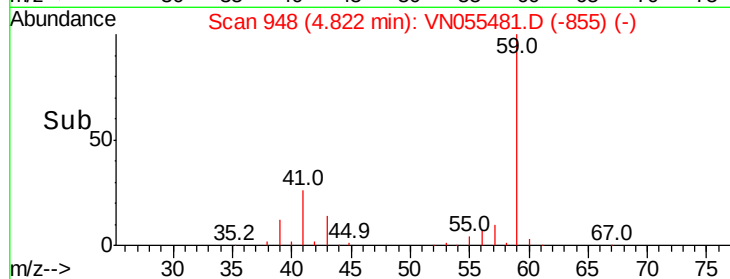
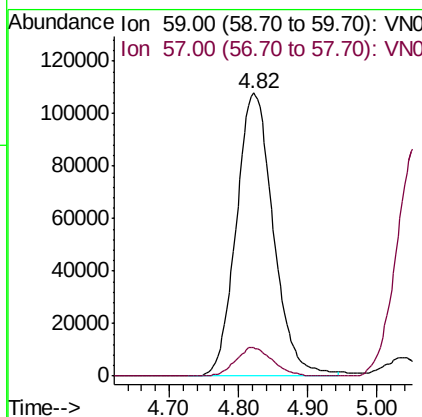
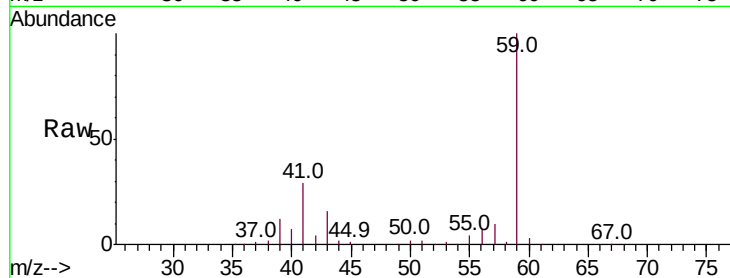
Tert butyl alcohol
 Concen: 536.246 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 59 Resp: 401967
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

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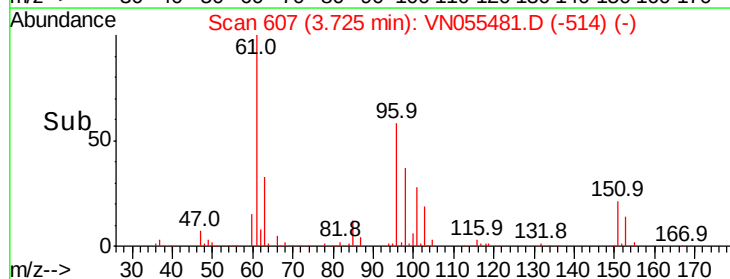
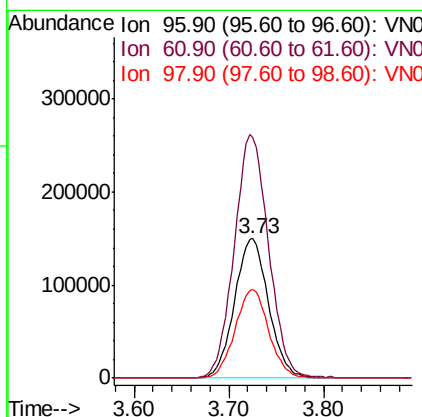
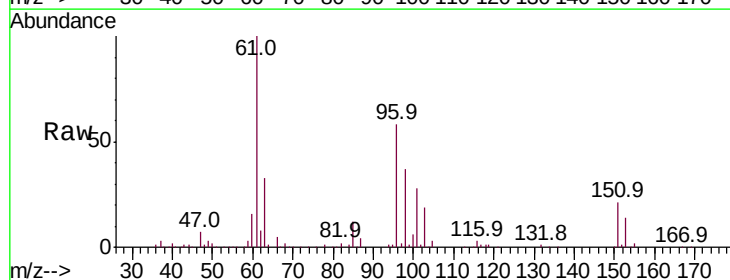
MMDadoda
 5/9/2019 6:32:57 PM

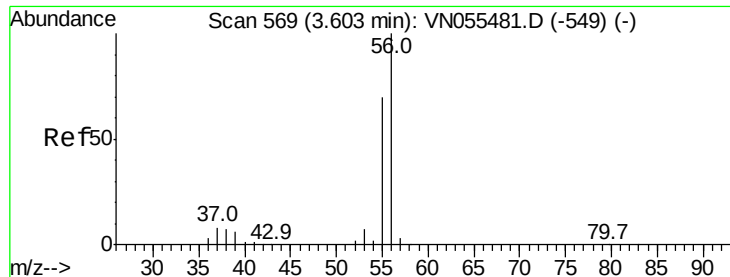


#12

1,1-Dichloroethene
 Concen: 52.292 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 96 Resp: 374559
 Ion Ratio Lower Upper
 96 100
 61 173.4 138.7 208.1
 98 63.3 50.6 76.0





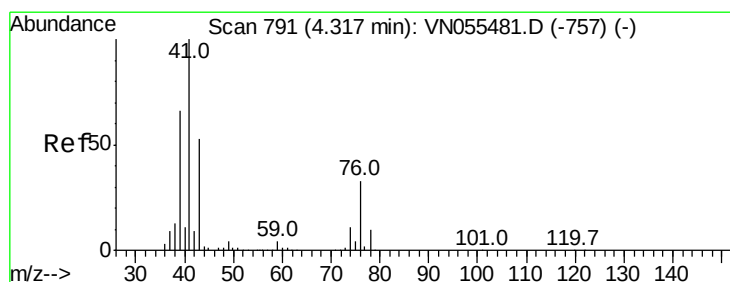
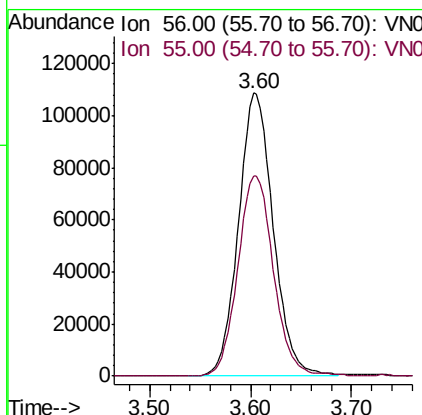
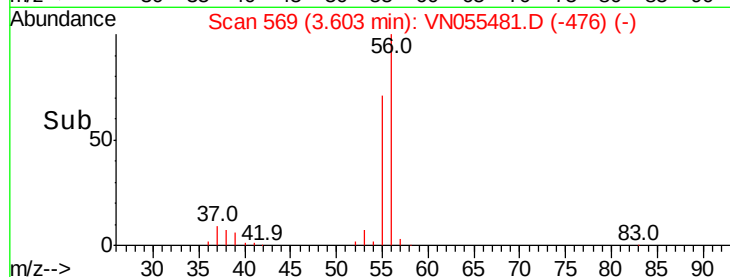
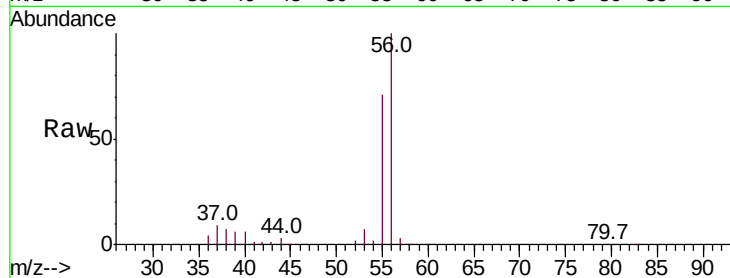
#13
 Acrolein
 Concen: 482.676 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	56	Resp	259508
Ion Ratio	Lower	Upper	
56	100		
55	72.1	57.7	86.5

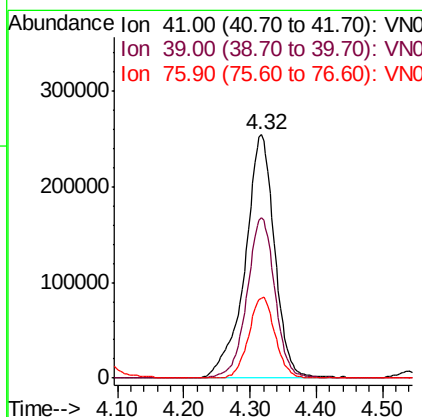
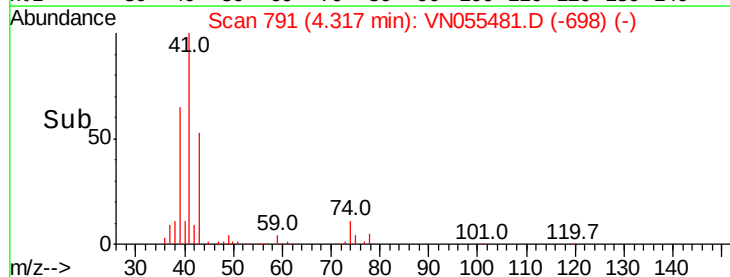
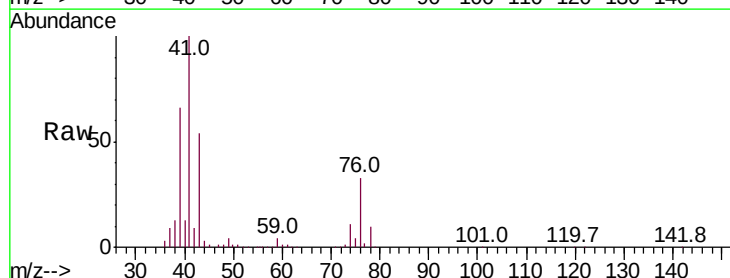
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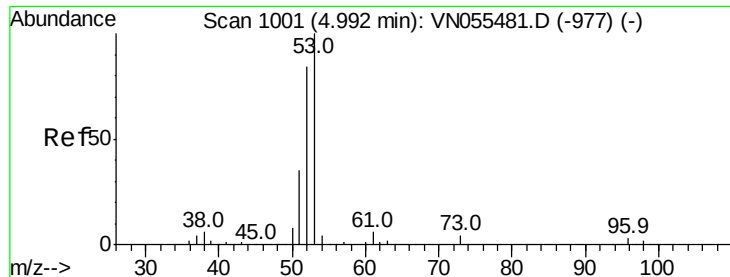
MMDadoda
 5/9/2019 6:32:57 PM



#14
 Allyl chloride
 Concen: 53.127 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	41	Resp	788045
Ion Ratio	Lower	Upper	
41	100		
39	62.3	49.8	74.8
76	29.4	23.5	35.3





#15

Acrylonitrile

Concen: 372.669 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 53 Resp: 1238527

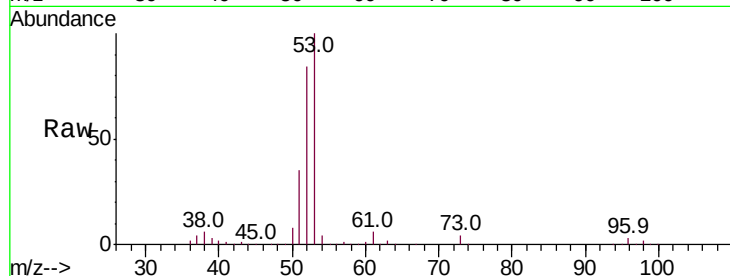
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	35.4	28.3	42.5

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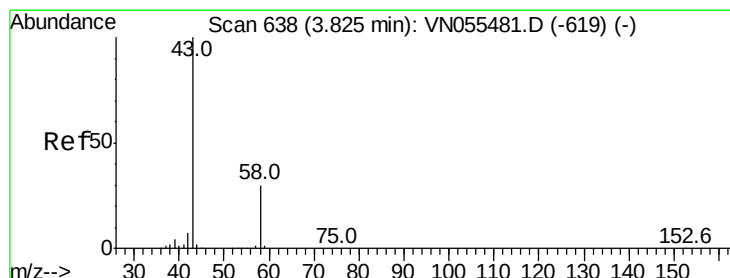
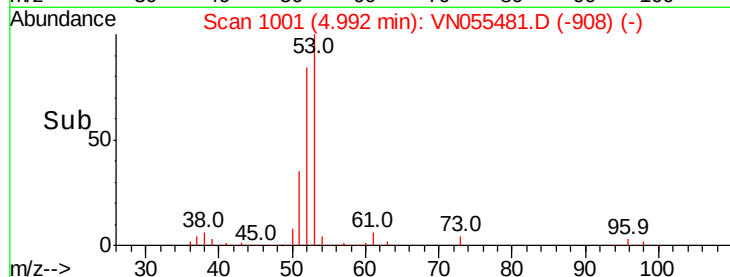
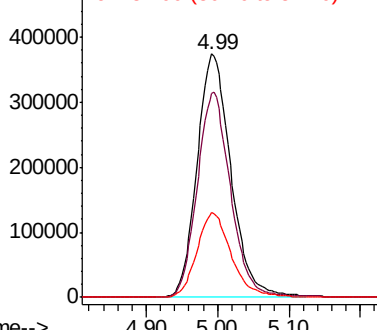


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 367.268 ug/l

RT: 3.82 min Scan# 638

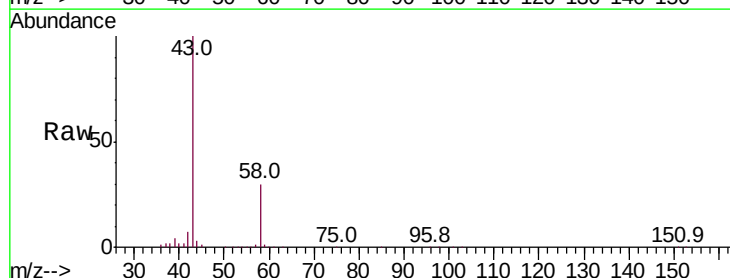
Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion: 43 Resp: 1193505

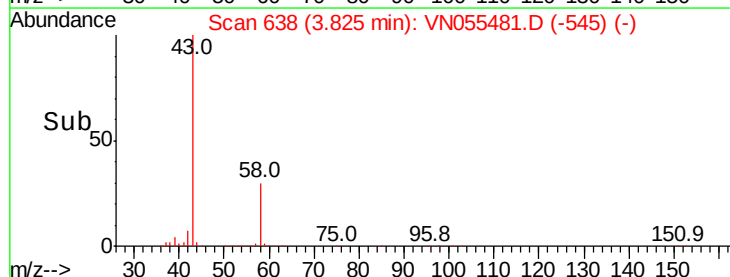
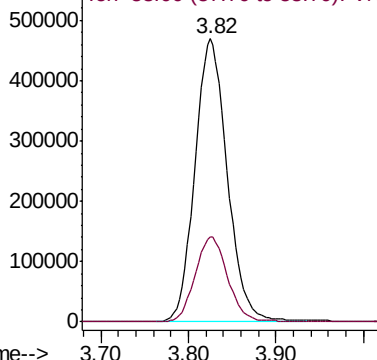
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.2

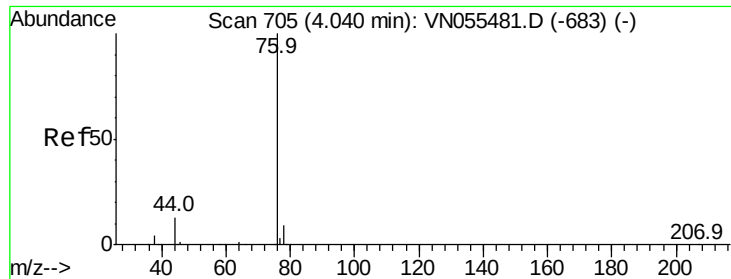


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 55.387 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 1040057

Ion Ratio Lower Upper

76 100

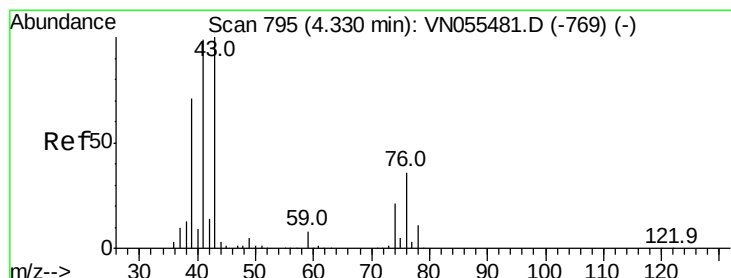
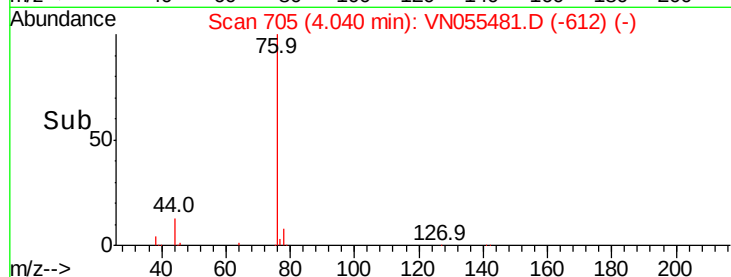
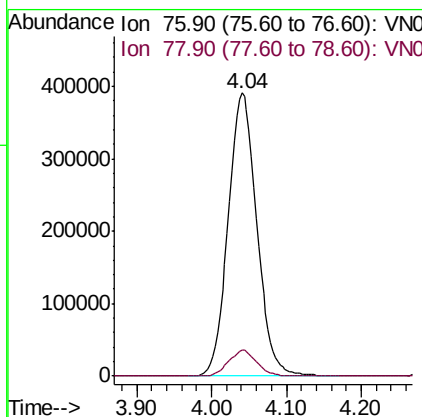
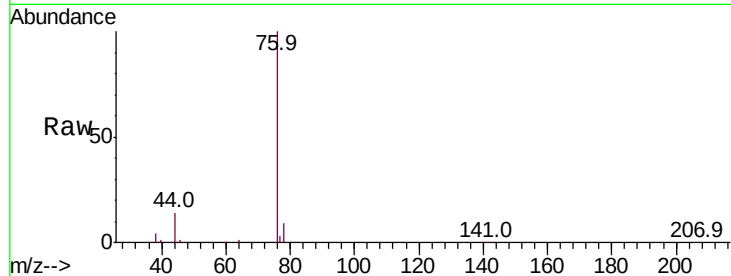
78 9.2 7.4 11.0

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#18

Methyl Acetate

Concen: 58.704 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055481.D

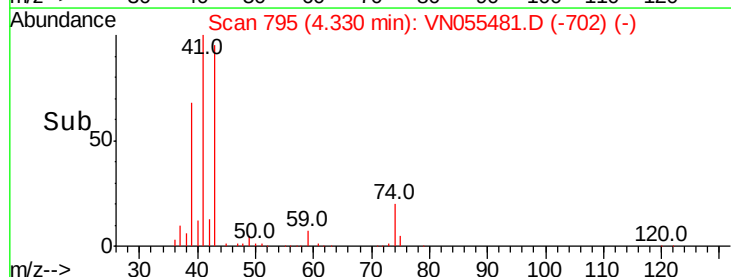
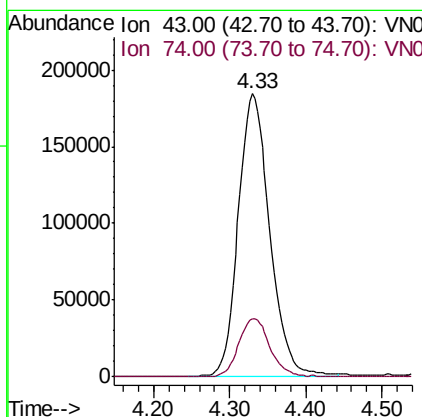
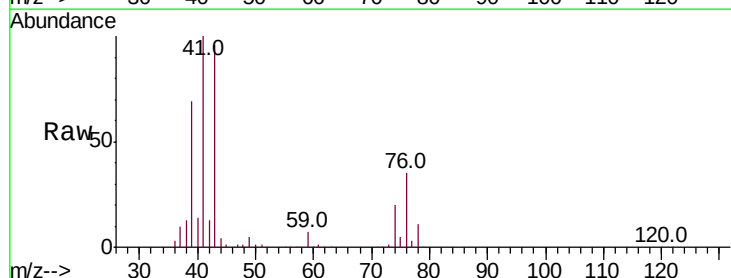
Acq: 8 May 2019 17:49

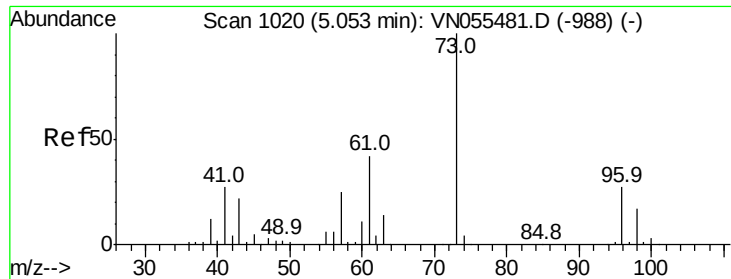
Tgt Ion: 43 Resp: 527320

Ion Ratio Lower Upper

43 100

74 20.4 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 61.768 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 73 Resp: 1280762

Ion Ratio Lower Upper

73 100

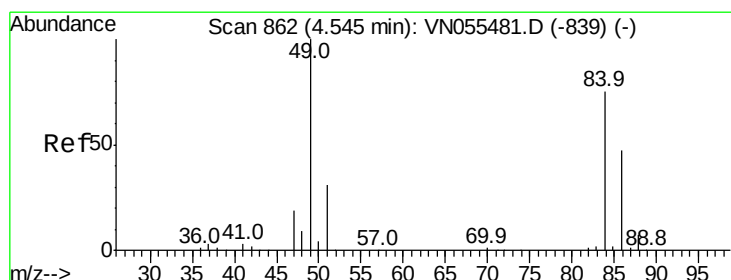
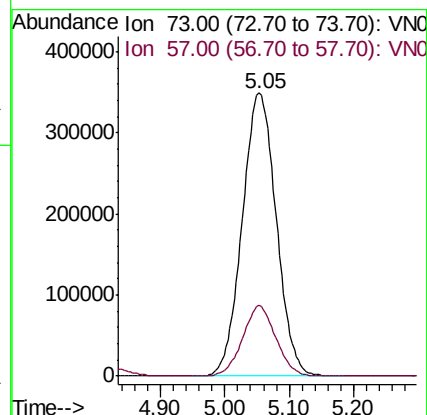
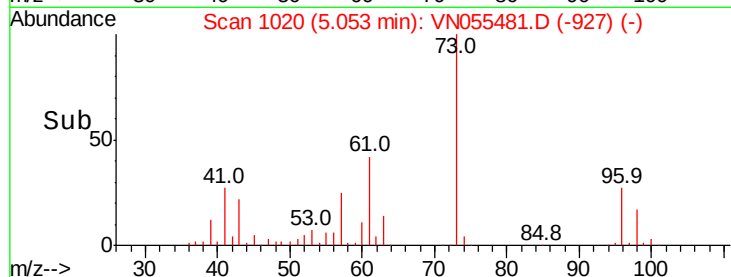
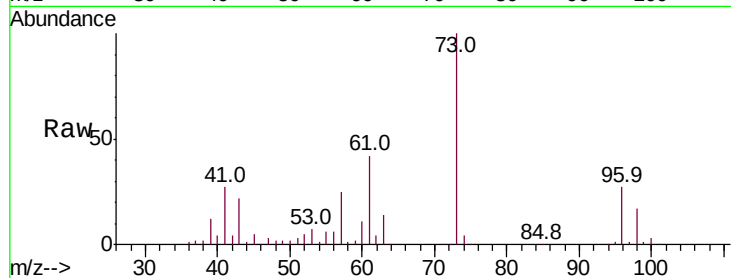
57 25.0 20.0 30.0

Manual Integrations

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#20

Methylene Chloride

Concen: 51.258 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion: 84 Resp: 464950

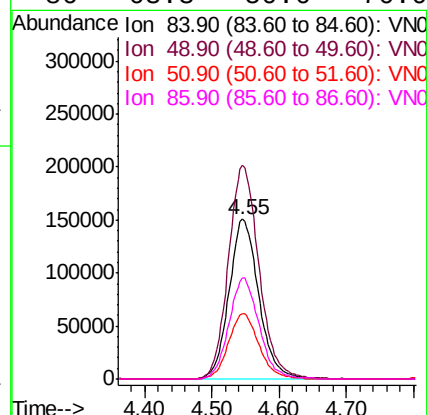
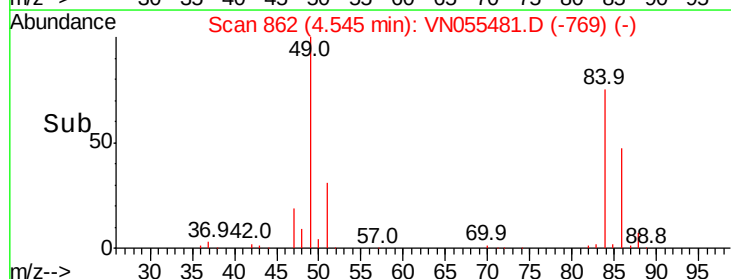
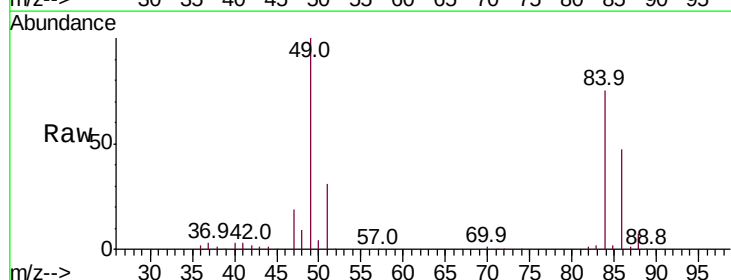
Ion Ratio Lower Upper

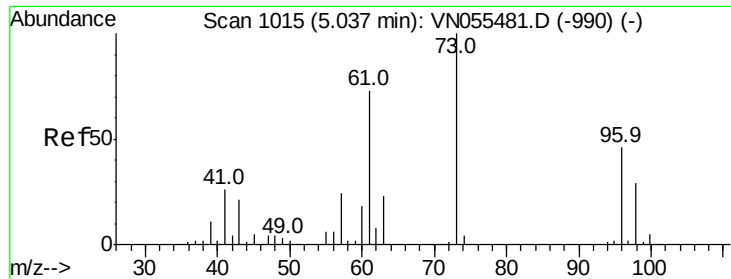
84 100

49 133.8 107.0 160.6

51 41.2 33.0 49.4

86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 53.571 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 407633

Ion Ratio Lower Upper

96 100

61 159.2 127.4 191.0

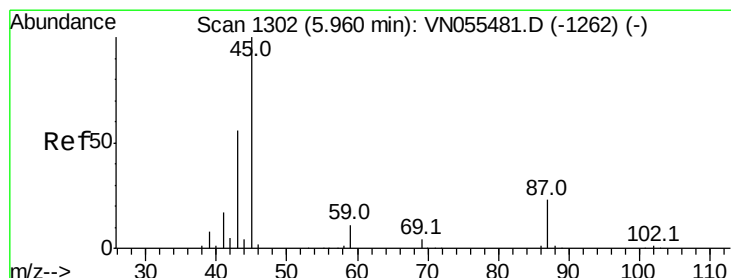
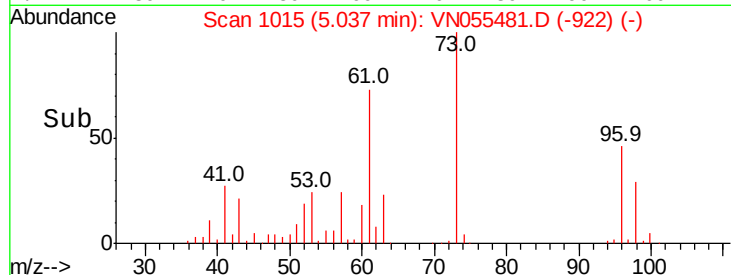
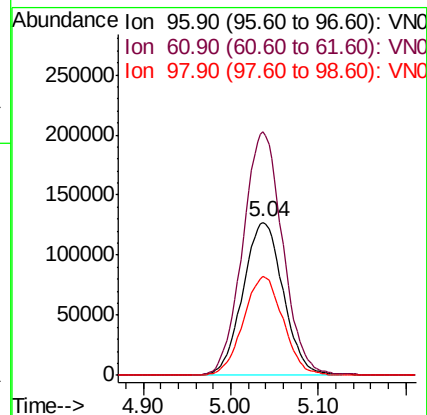
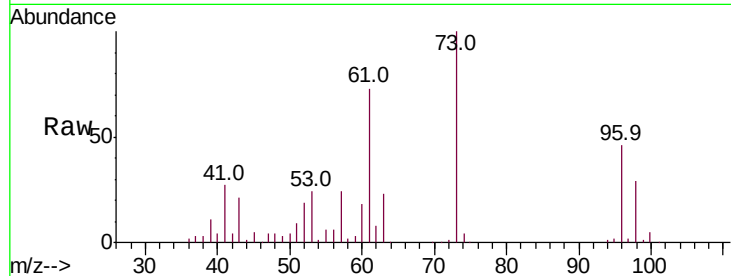
98 64.5 51.6 77.4

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#22

Diisopropyl ether

Concen: 55.356 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion: 45 Resp: 1640309

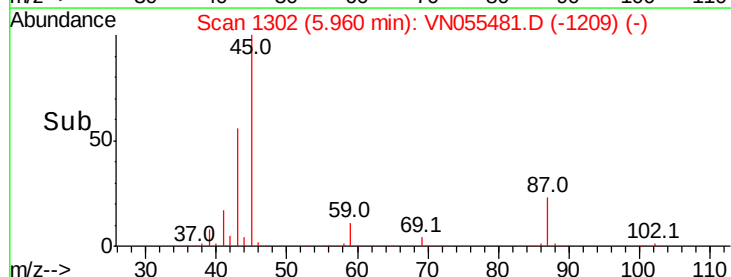
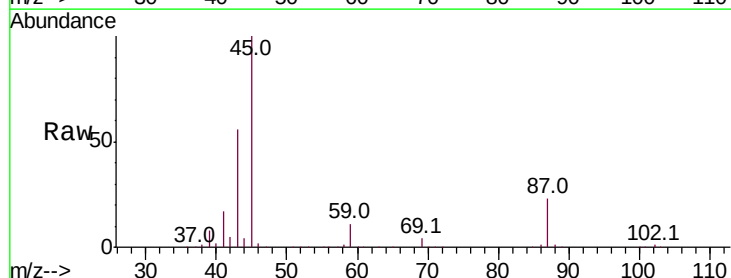
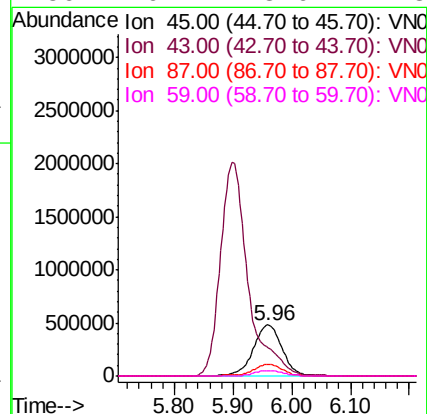
Ion Ratio Lower Upper

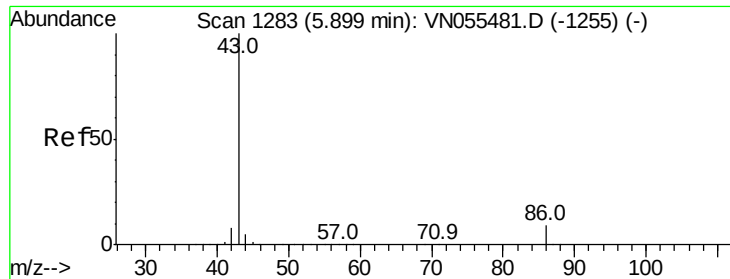
45 100

43 55.7 44.6 66.8

87 23.3 18.6 28.0

59 10.7 8.6 12.8





#23

Vinyl Acetate

Concen: 329.141 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 6597885

Ion Ratio Lower Upper

43 100

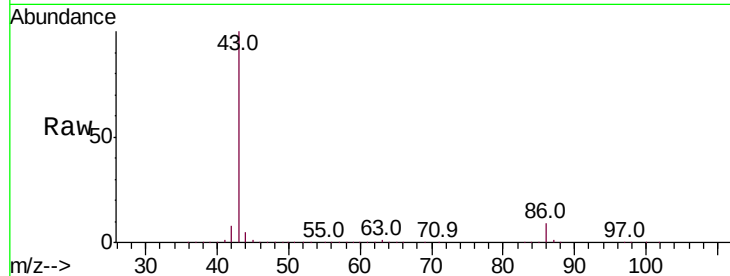
86 8.9 7.1 10.7

Manual Integrations

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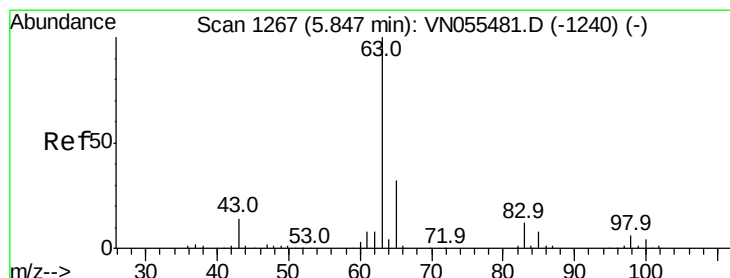
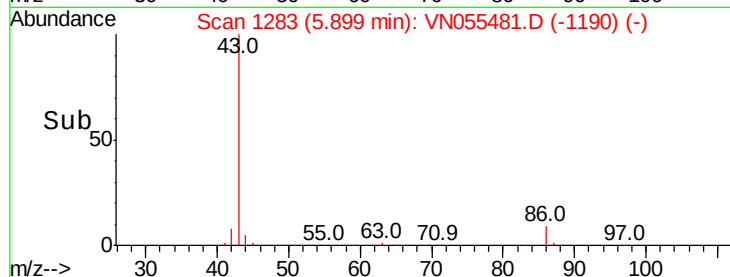
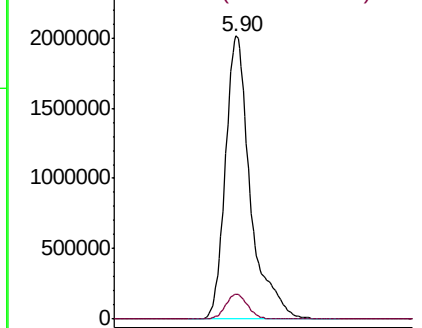
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.296 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

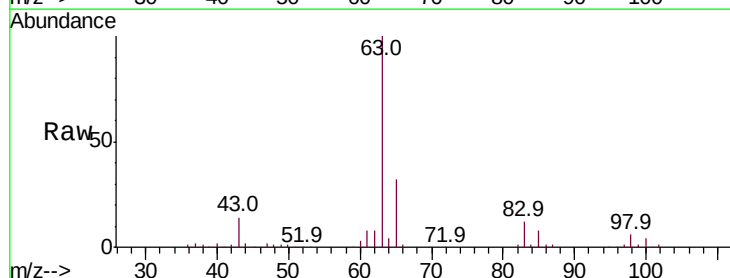
Tgt Ion: 63 Resp: 841417

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

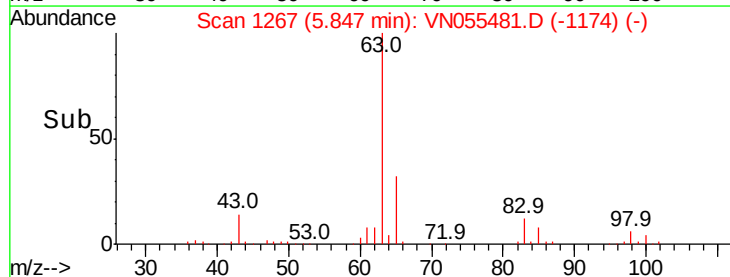
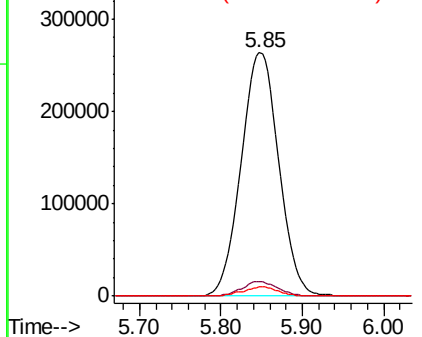
100 3.8 1.9 5.7

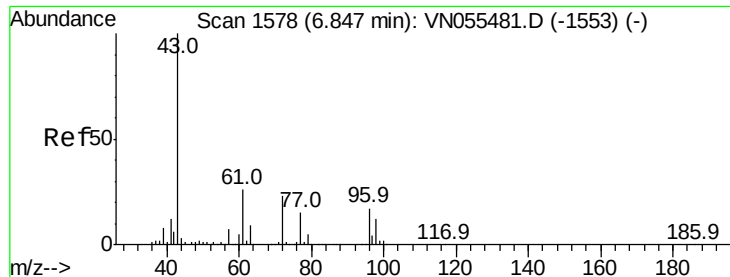


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 417.253 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tot Ion: 43 Resp: 1781311

Ion Ratio Lower Upper

43 100

72 23.2 18.6 27.8

Instrument :

MSVOA_N

ClientSampleId :

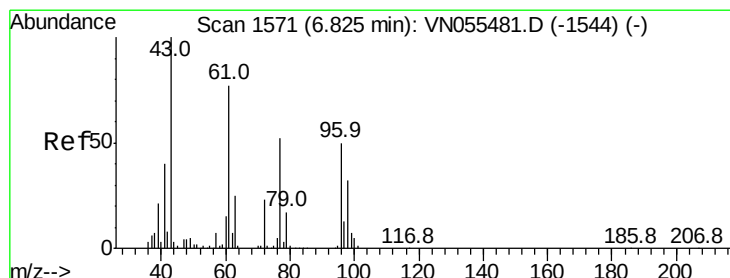
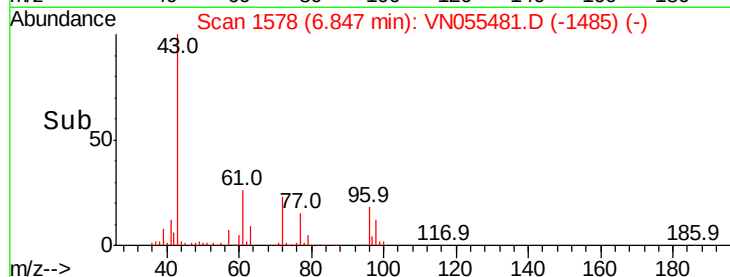
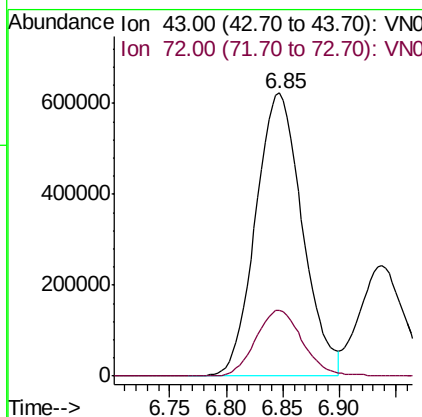
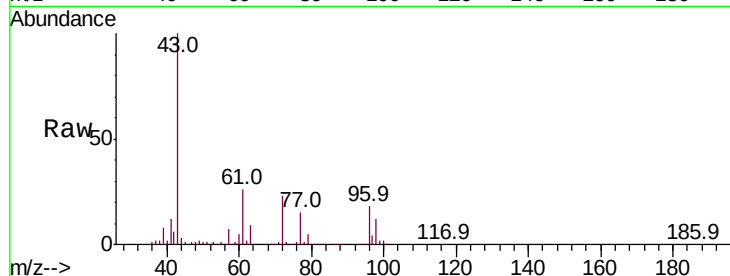
VSTDICCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.561 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055481.D

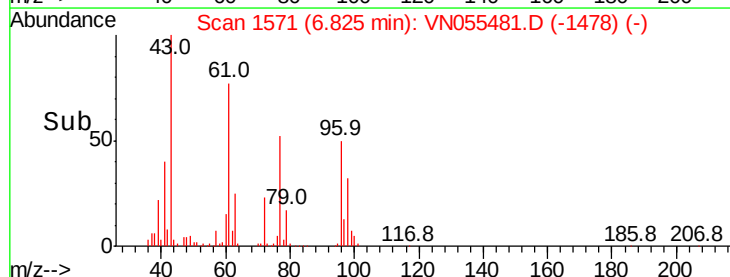
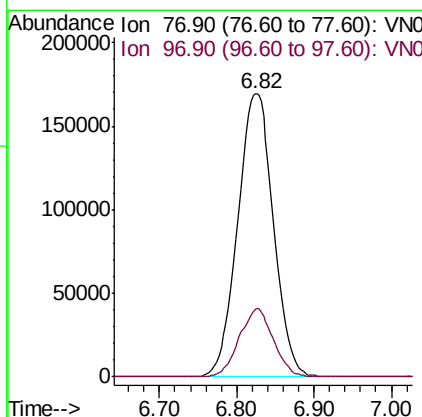
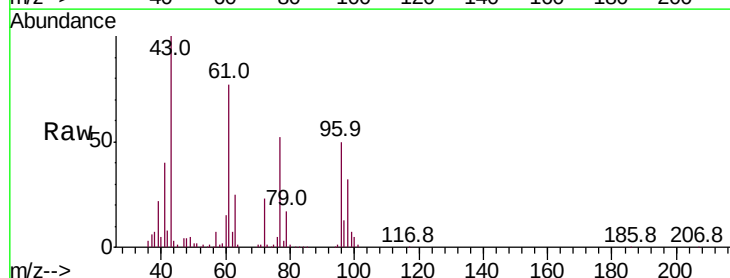
Acq: 8 May 2019 17:49

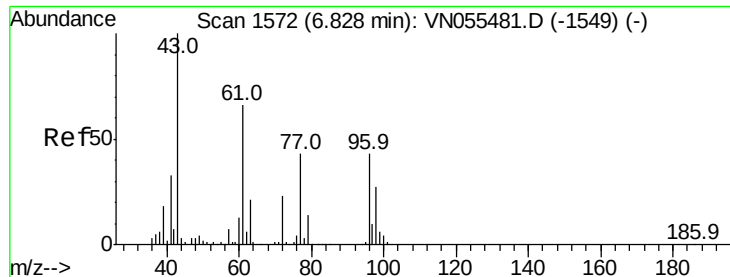
Tgt Ion: 77 Resp: 543437

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 55.636 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

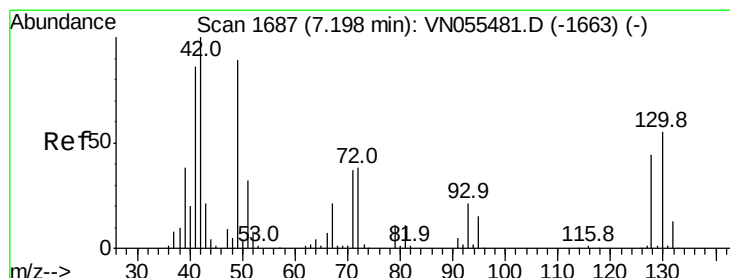
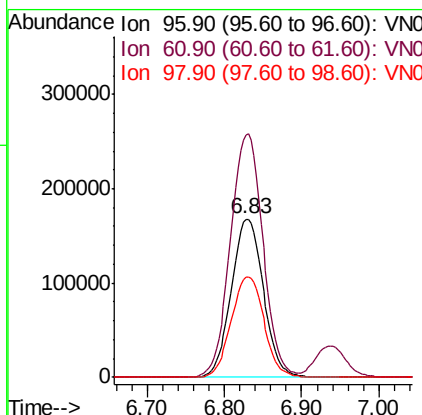
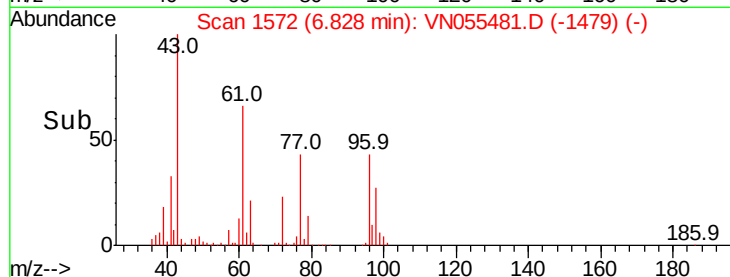
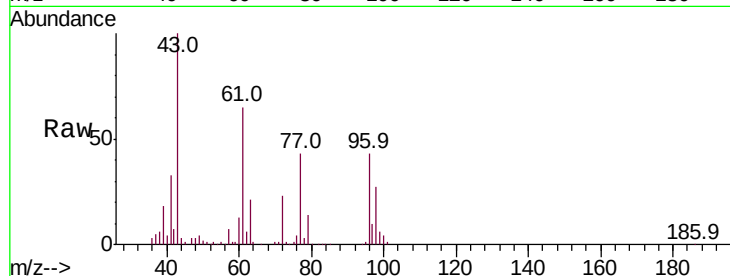
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	484016
Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	310.8
98	64.7	0.0	129.4

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#28

Bromochloromethane

Concen: 56.383 ug/l

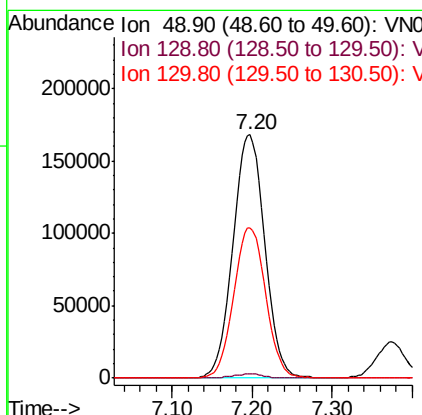
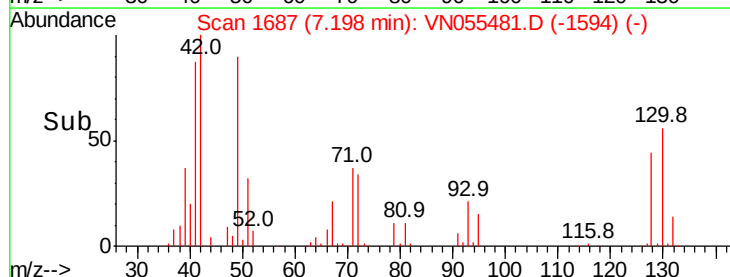
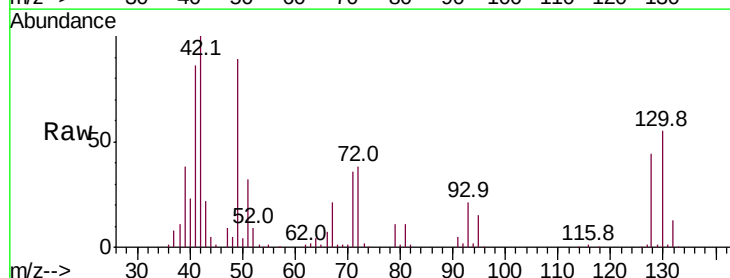
RT: 7.20 min Scan# 1687

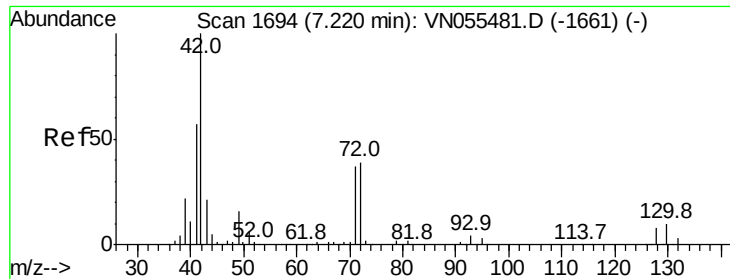
Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion:	49	Resp:	453876
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	61.9	49.5	74.3





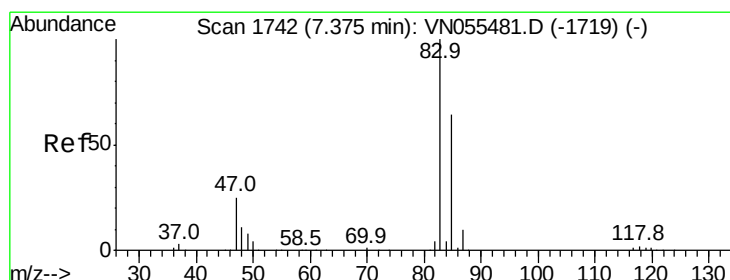
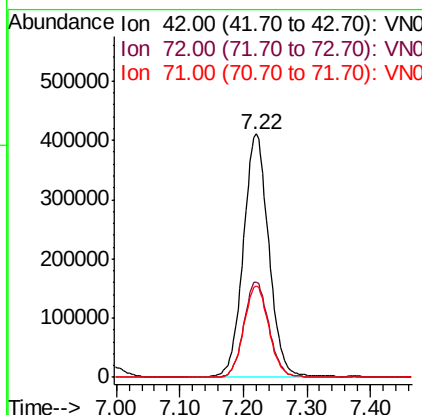
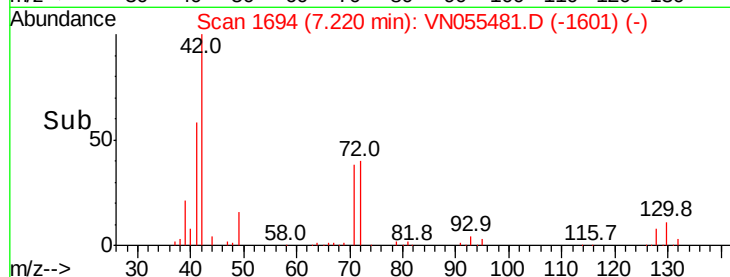
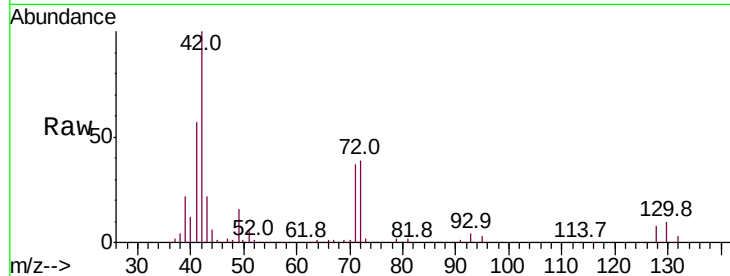
#29
Tetrahydrofuran
Concen: 416.906 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 1140248
Ion Ratio Lower Upper
42 100
72 38.8 31.0 46.6
71 36.8 29.4 44.2

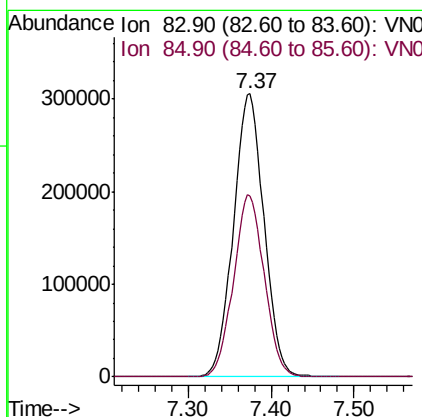
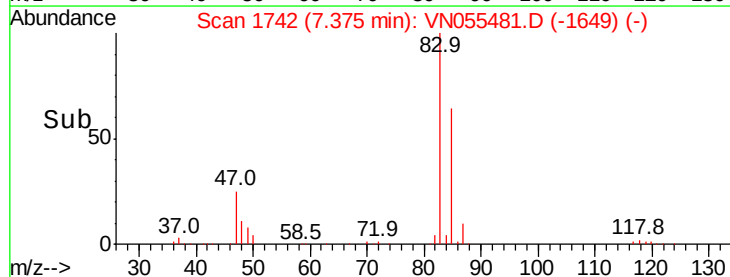
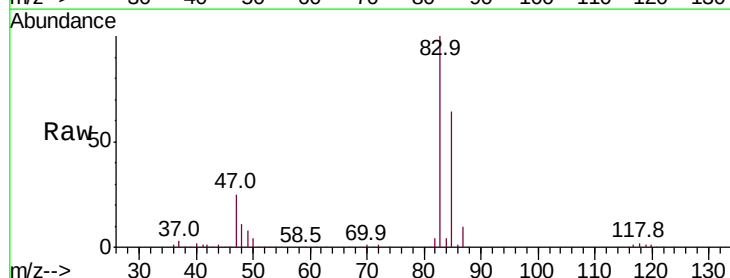
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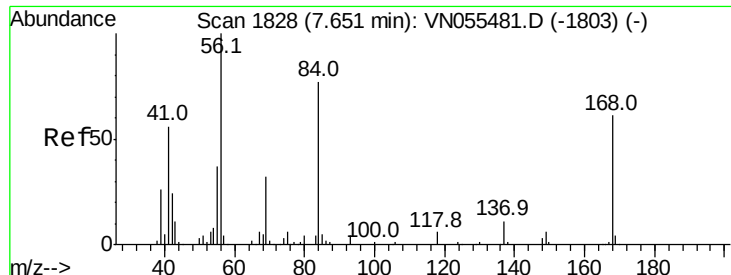
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#30
Chloroform
Concen: 52.614 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 83 Resp: 784560
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9





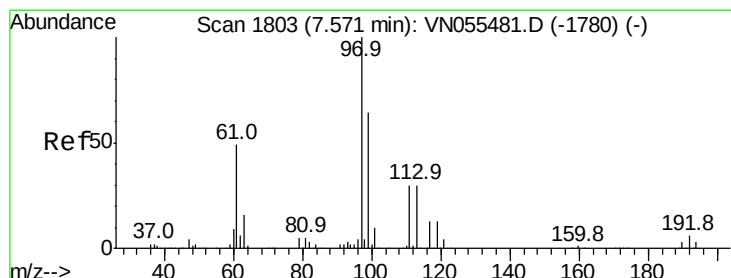
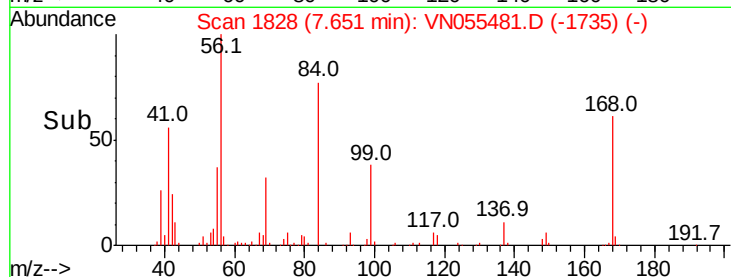
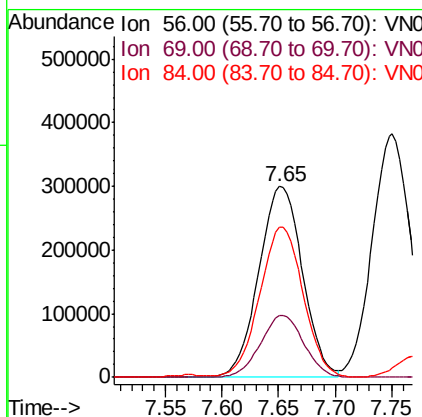
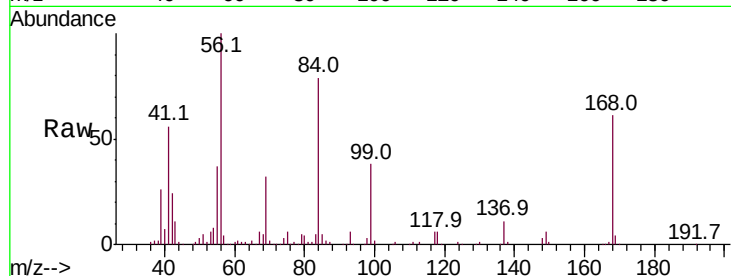
#31
Cyclohexane
Concen: 53.211 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.0	39.0
84	77.4	61.9	92.9

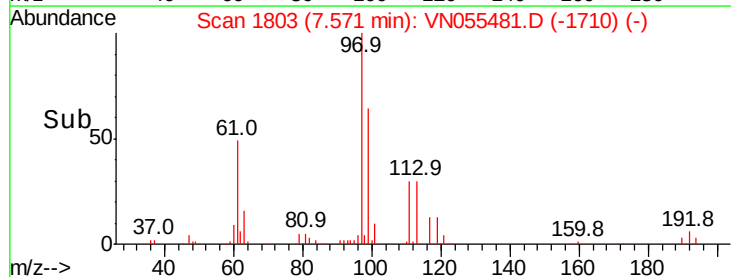
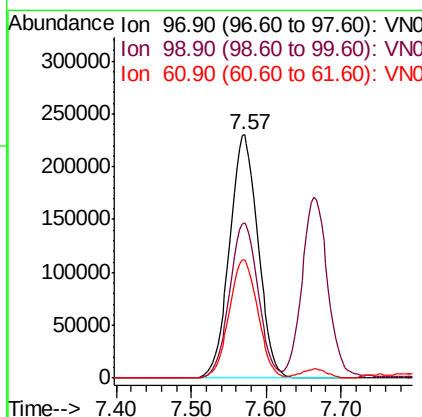
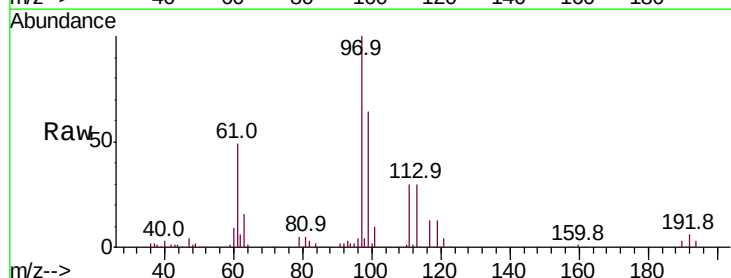
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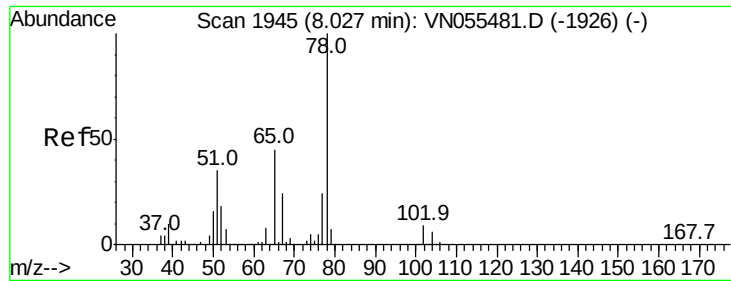
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#32
1,1,1-Trichloroethane
Concen: 50.679 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	49.0	39.2	58.8





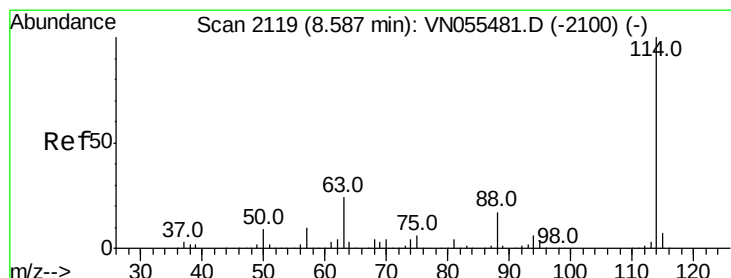
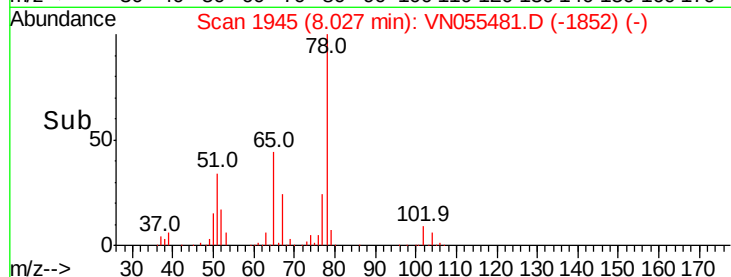
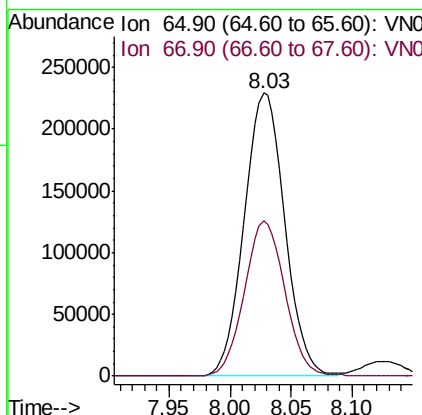
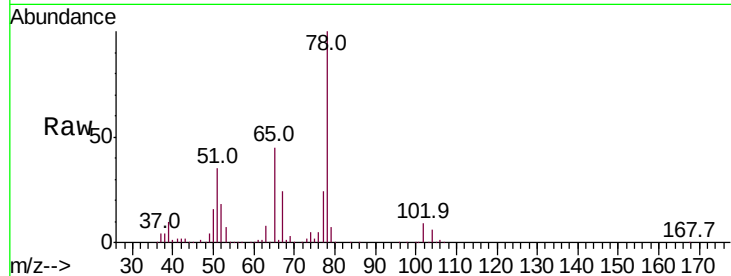
#33
 1,2-Dichloroethane-d4
 Concen: 54.816 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	109.6

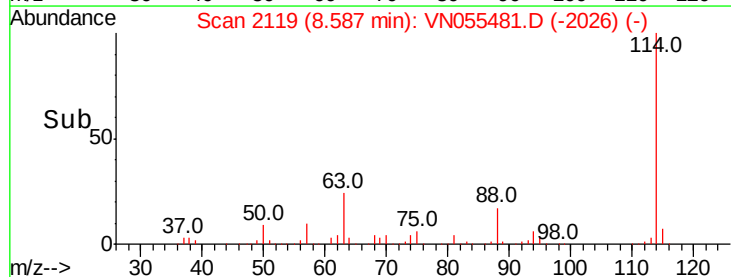
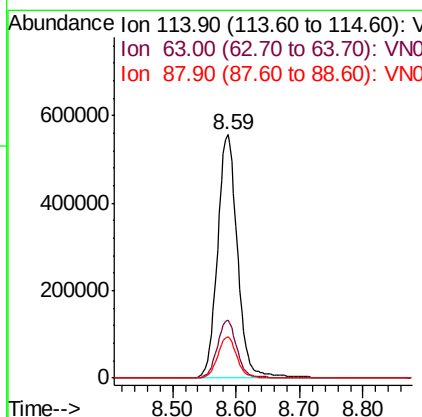
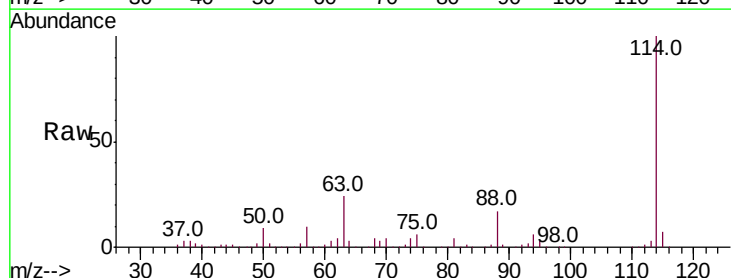
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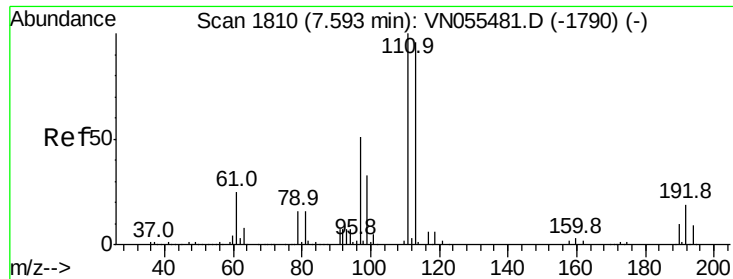
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	47.4
88	17.0	0.0	34.0





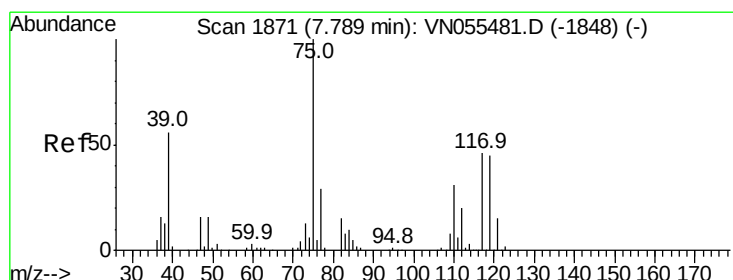
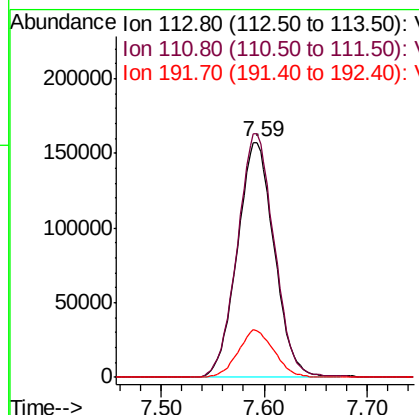
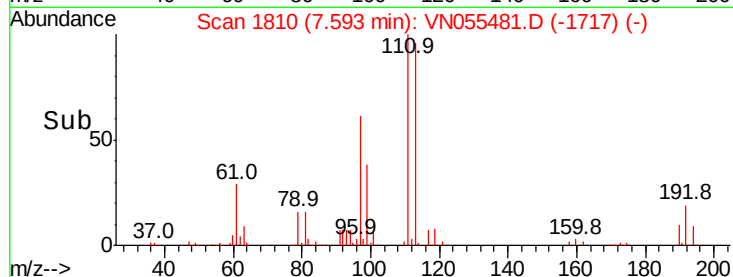
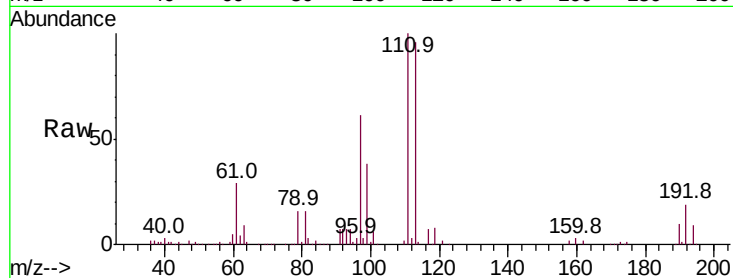
#35
 Dibromofluoromethane
 Concen: 49.181 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	82.9	124.3	
192	19.5	15.6	23.4	

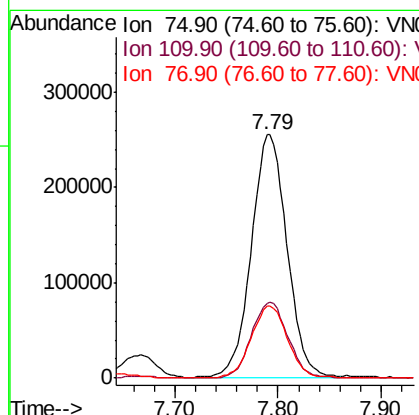
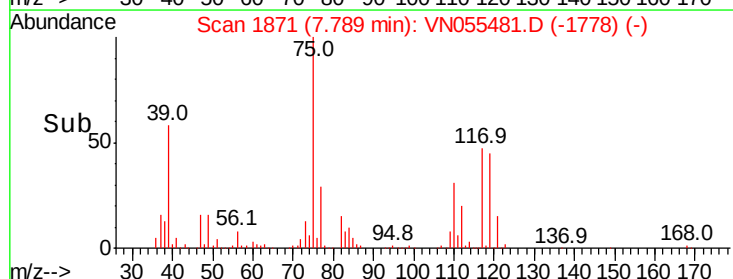
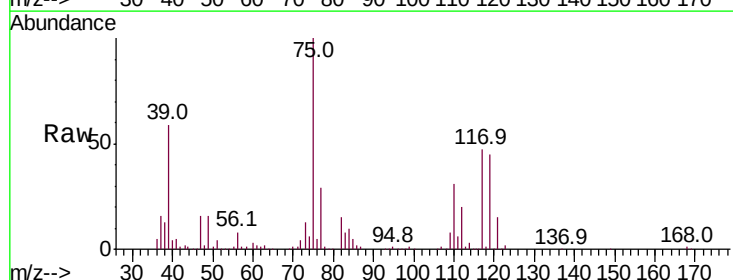
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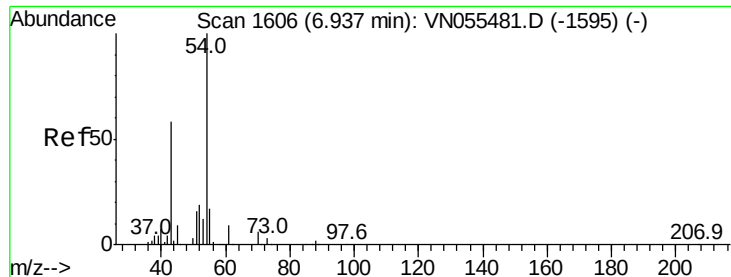
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#36
 1,1-Dichloropropene
 Concen: 51.469 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.2	16.1	48.3	
77	30.8	24.6	37.0	





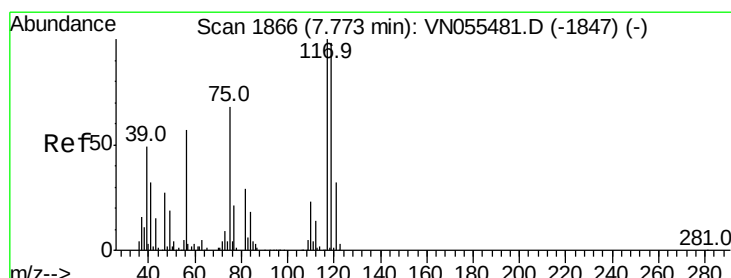
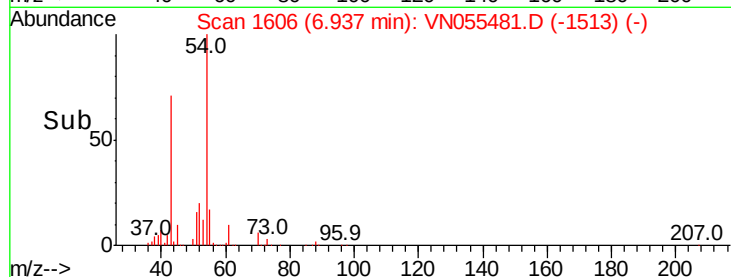
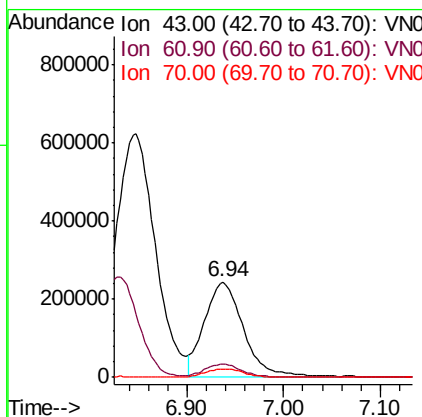
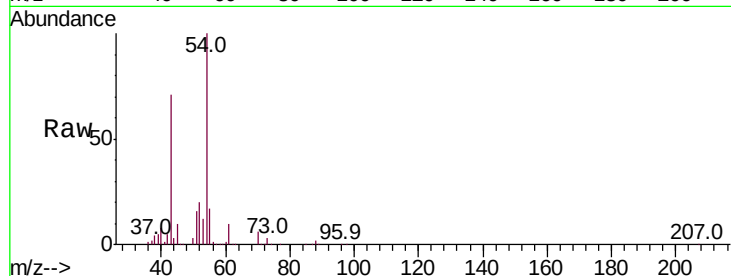
#37
Ethyl Acetate
Concen: 69.280 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	8.8	7.0	10.6

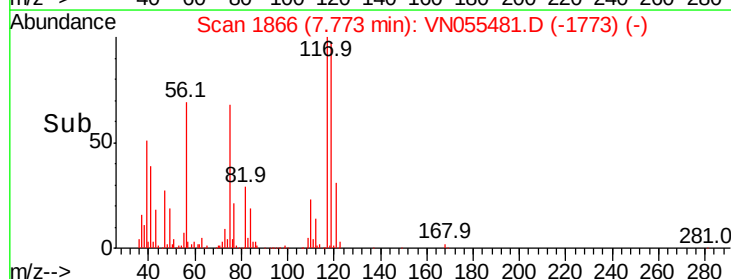
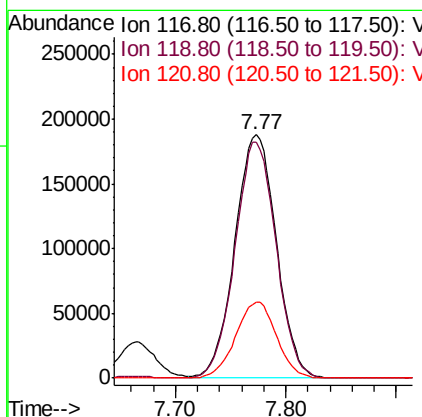
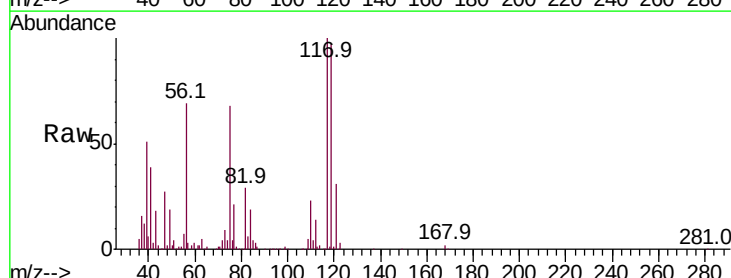
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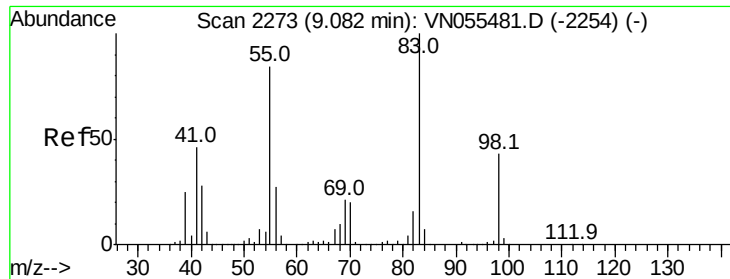
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#38
Carbon Tetrachloride
Concen: 44.021 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	31.5	25.2	37.8





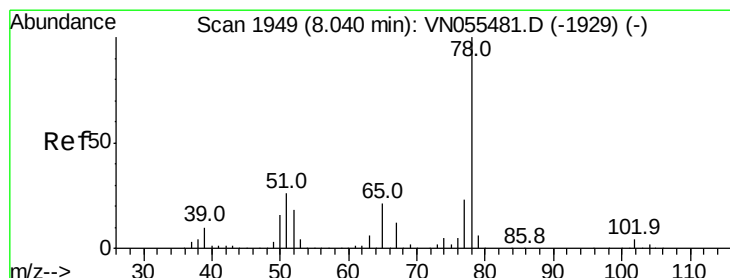
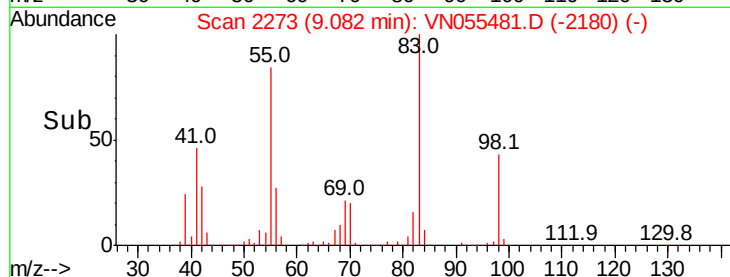
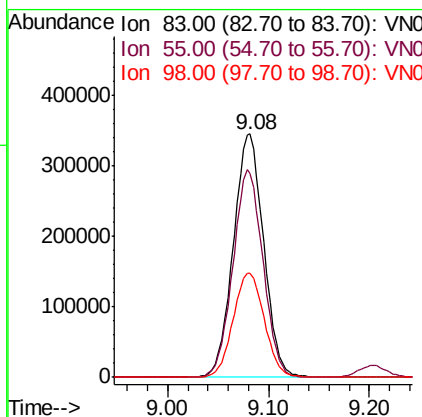
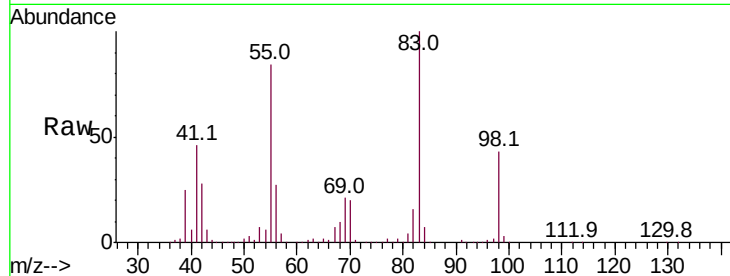
#39
Methylvlcyclohexane
Concen: 56.591 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.0	100.4
98	42.8	34.2	51.4

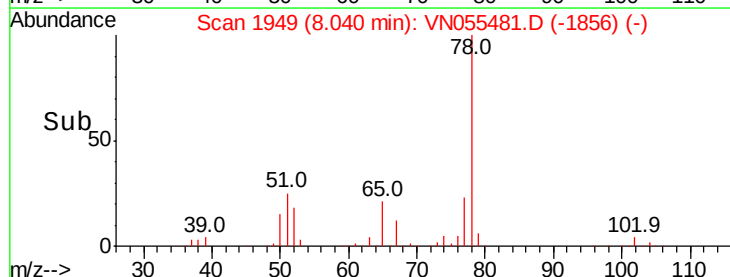
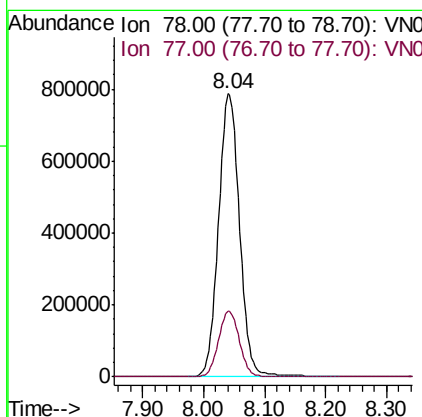
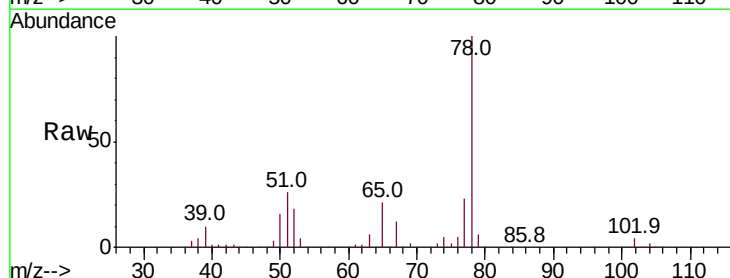
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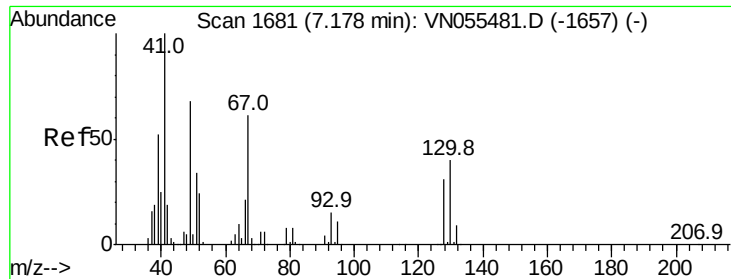
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#40
Benzene
Concen: 53.886 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8





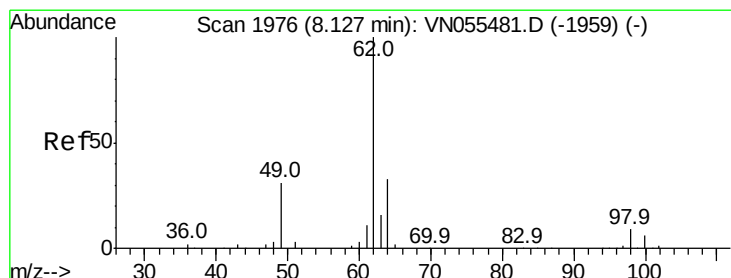
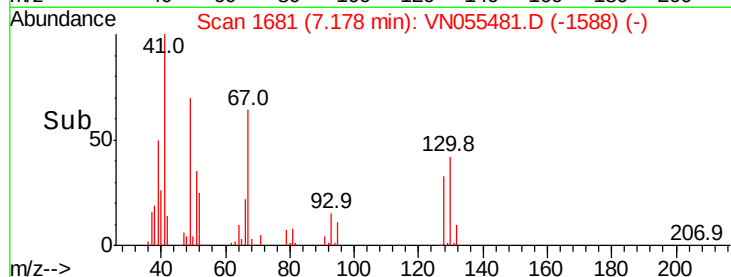
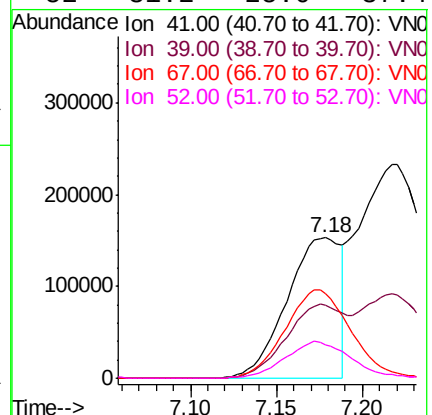
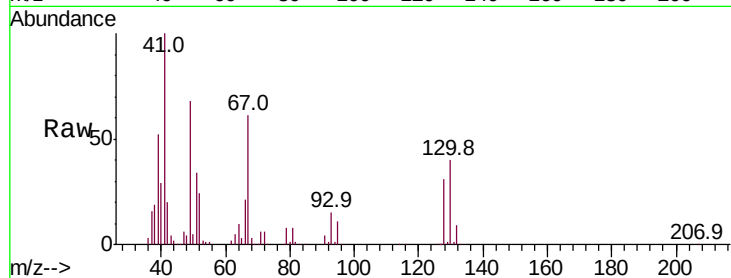
#41
Methacrylonitrile
Concen: 66.388 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	333841
Ion Ratio	100	Lower	Upper
39	55.9	44.7	67.1
67	76.7	61.4	92.0
52	31.2	25.0	37.4

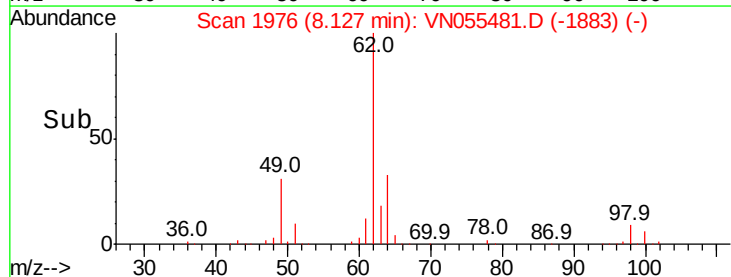
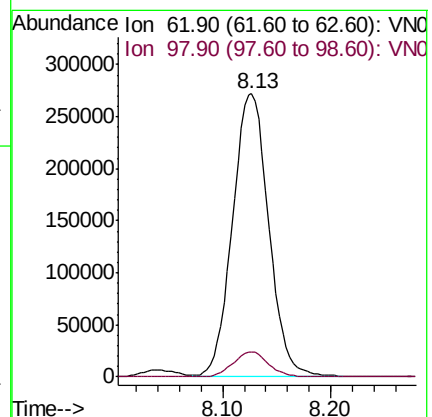
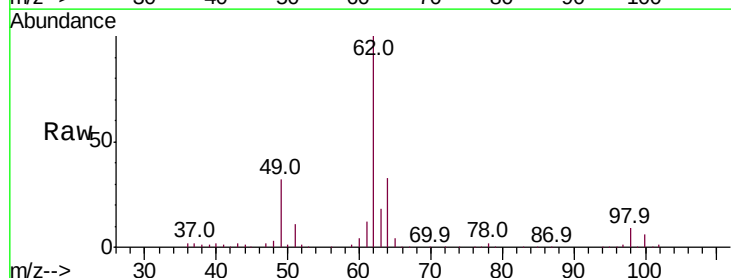
Manual Integrations
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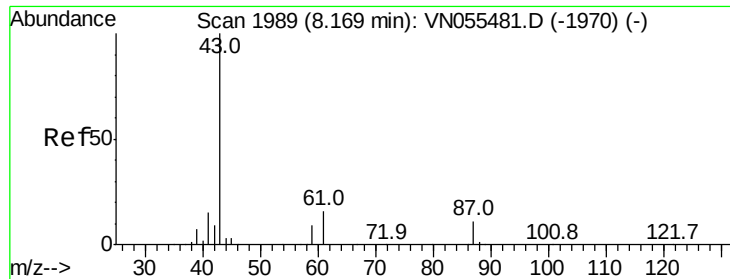
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.468 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	62	Resp	633195
Ion Ratio	100	Lower	Upper
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 68.911 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1059864

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

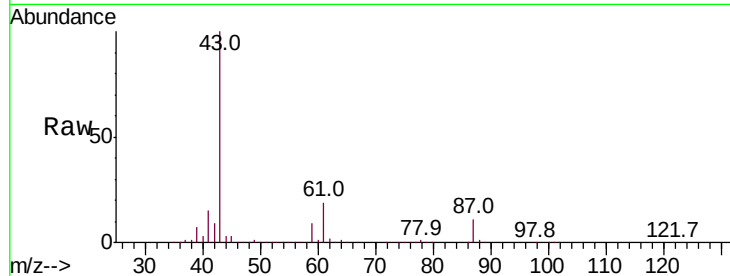
87 11.3 9.0 13.6

Manual Integrations

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5/9/2019 6:32:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)

8.17

600000

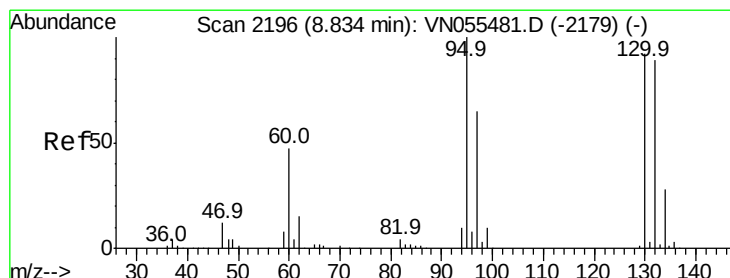
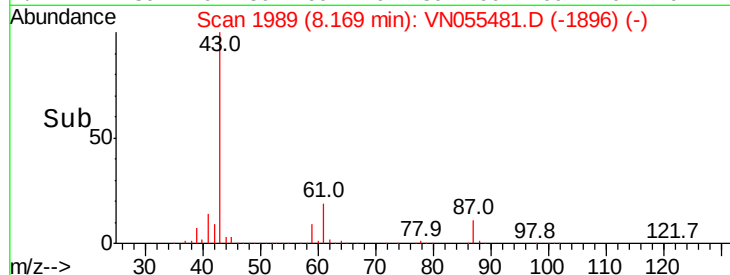
400000

200000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.542 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055481.D

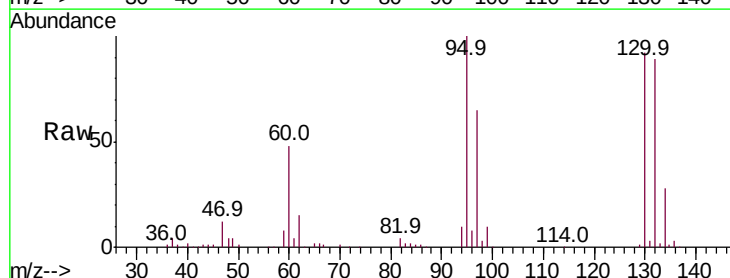
Acq: 8 May 2019 17:49

Tgt Ion:130 Resp: 435292

Ion Ratio Lower Upper

130 100

95 108.4 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)

8.83

250000

200000

150000

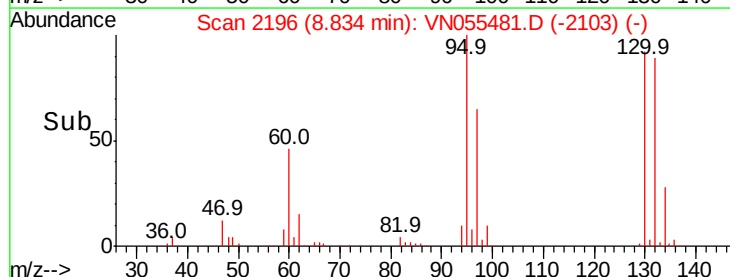
100000

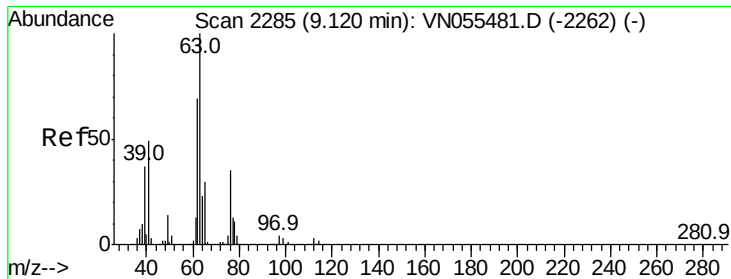
50000

0

8.80 8.90

Time-->





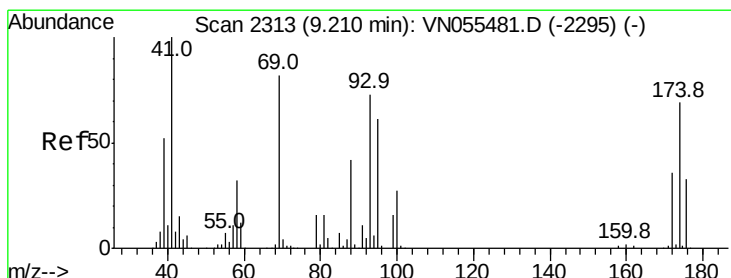
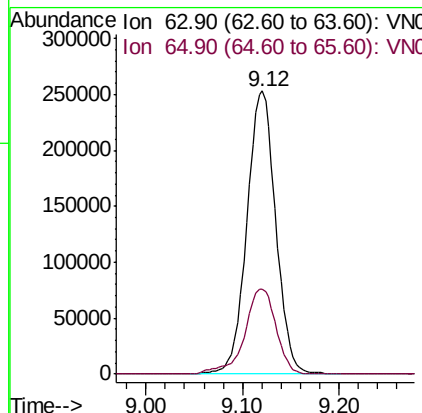
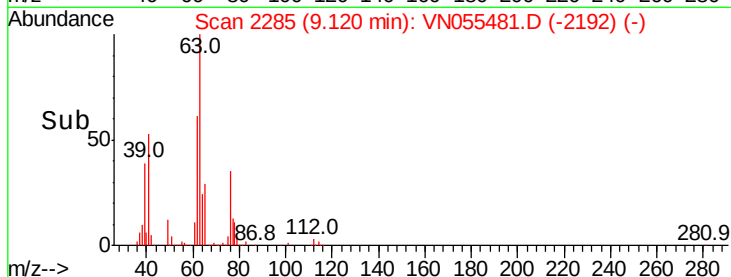
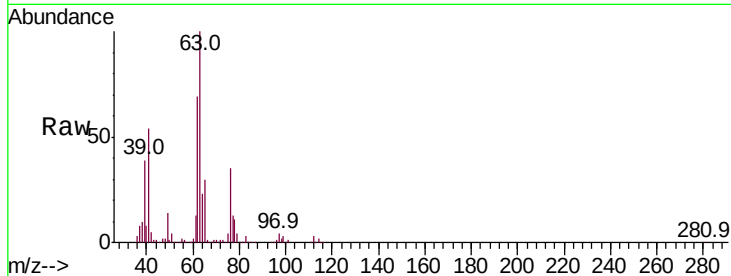
#45
 1,2-Dichloropropane
 Concen: 52.286 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

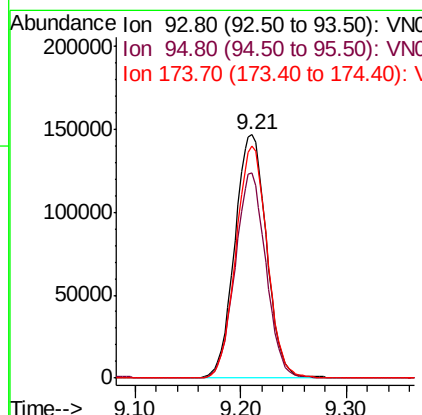
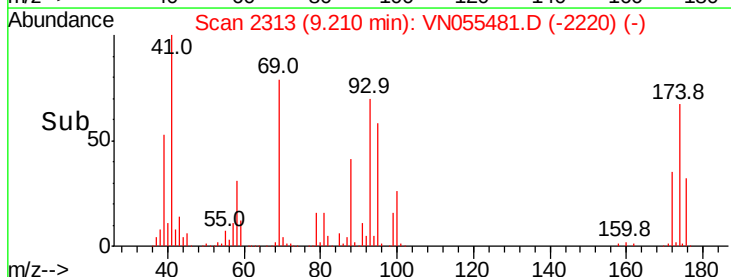
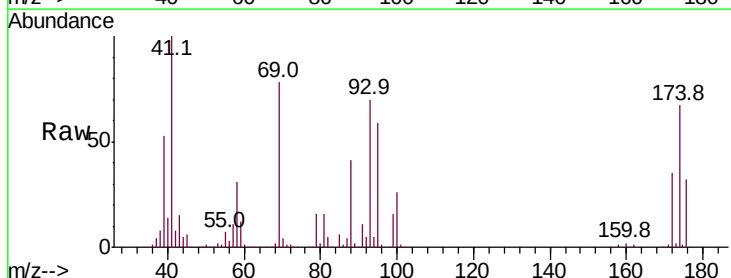
Manual Integrations
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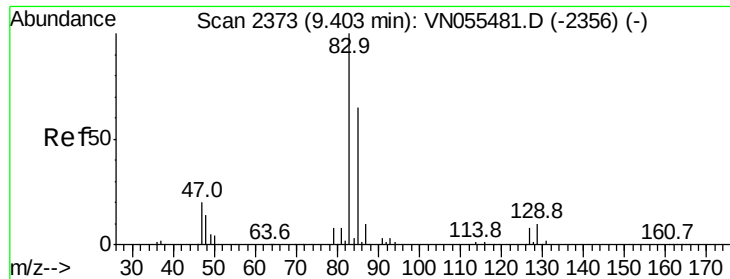
MMDadoda
 5/9/2019 6:32:57 PM



#46
 Dibromomethane
 Concen: 55.226 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	93.8	75.0	112.6





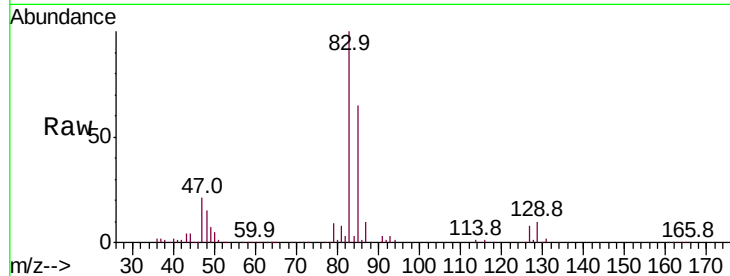
#47
Bromodichloromethane
Concen: 50.886 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

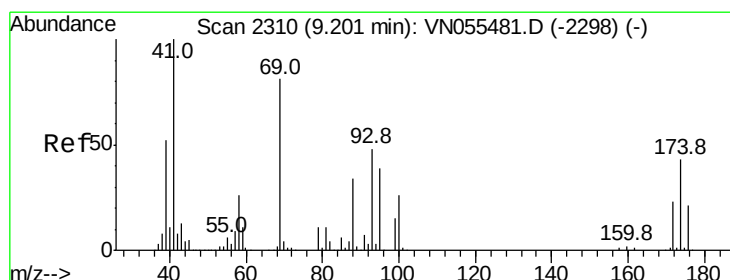
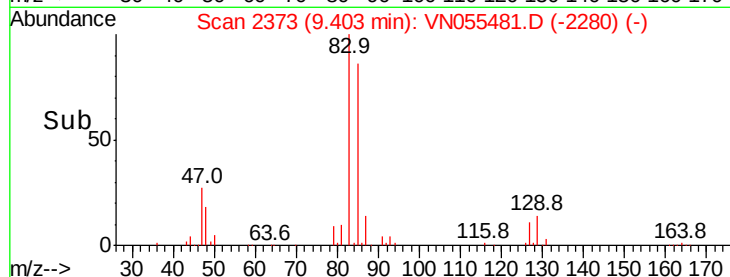
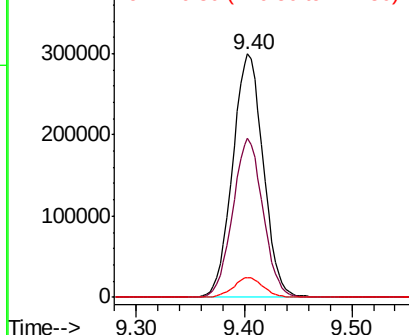
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.2	52.2	78.2	
127	8.1	6.5	9.7	

Manual Integrations
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MMDadoda
5/9/2019 6:32:57 PM

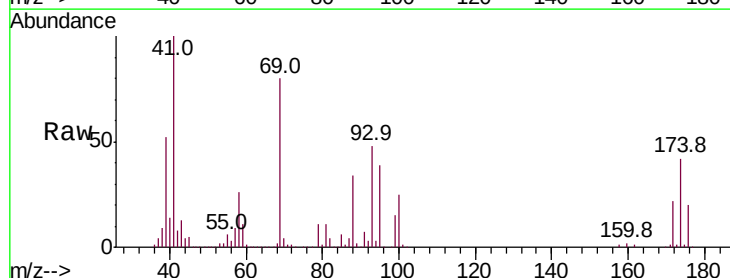


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

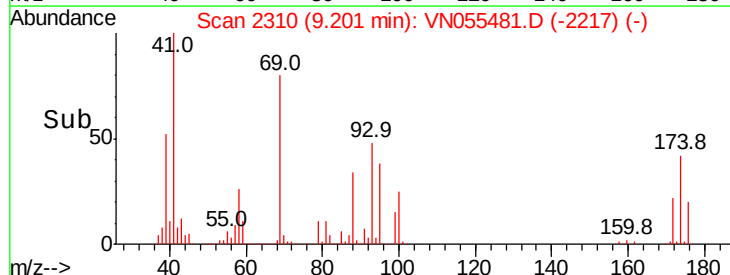
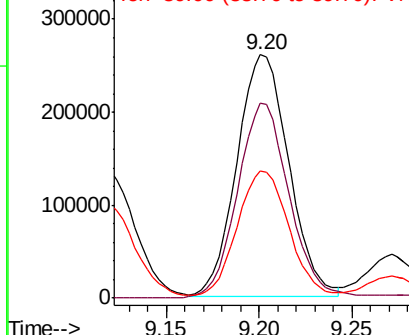


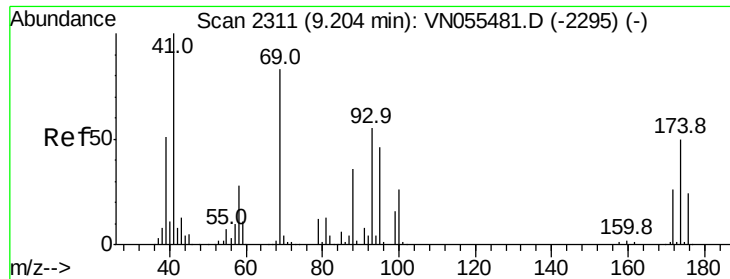
#48
Methyl methacrylate
Concen: 67.264 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.2	64.2	96.2	
39	52.0	41.6	62.4	



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





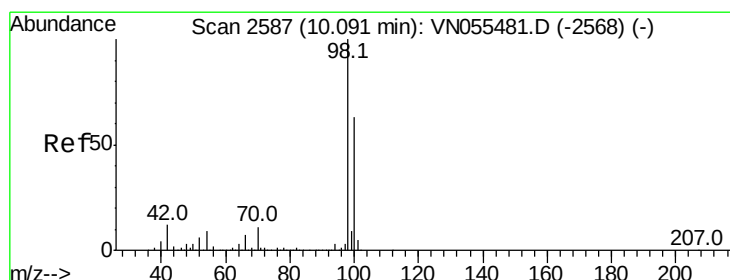
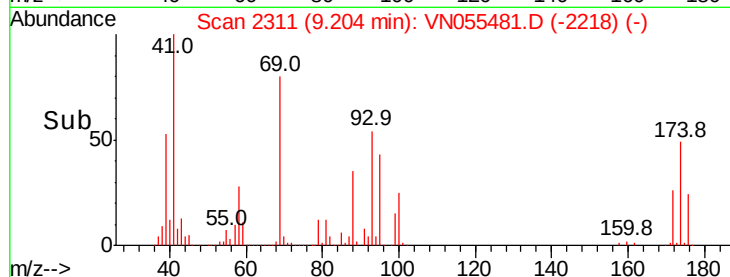
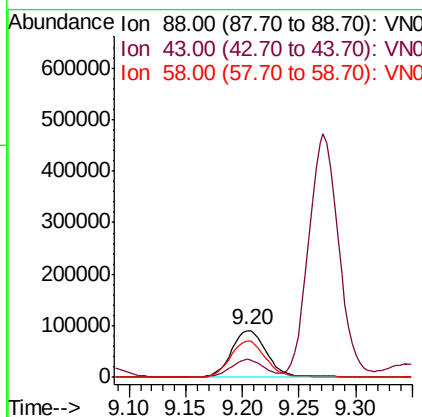
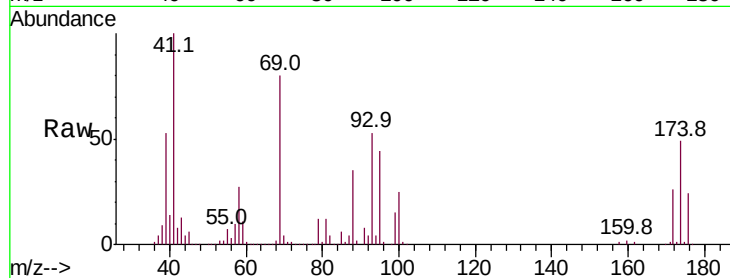
#49
1,4-Dioxane
Concen: 2110.696 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	197091
Ion	Ratio	Lower	Upper
88	100		
43	34.8	27.8	41.8
58	77.2	61.8	92.6

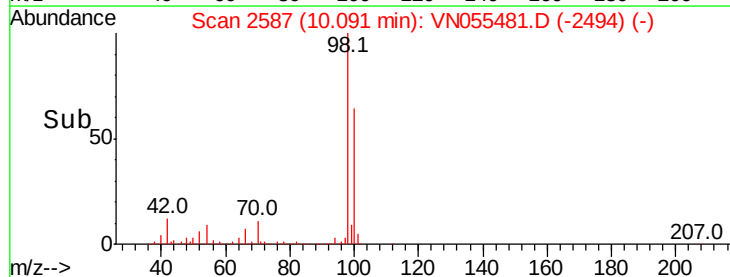
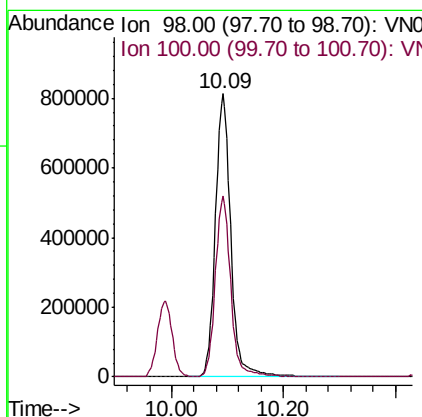
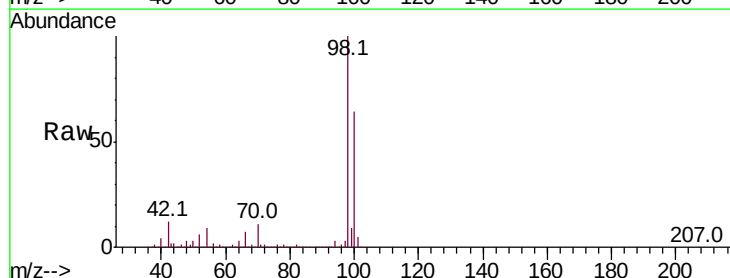
Manual Integrations
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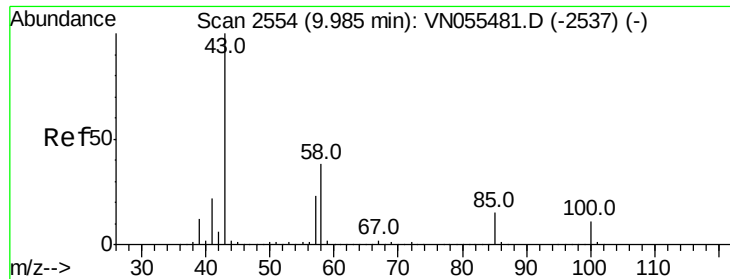
MMDadoda
5/9/2019 6:32:57 PM



#50
Toluene-d8
Concen: 53.233 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	98	Resp	1560638
Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 383.088 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tot Ion: 43 Resp: 3438634

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9

Instrument :

MSVOA_N

ClientSampleId :

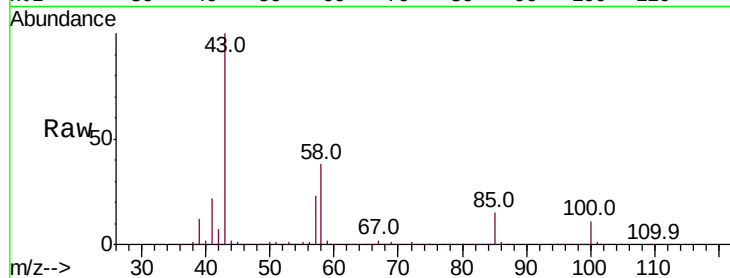
VSTDICCC050

Manual Integrations

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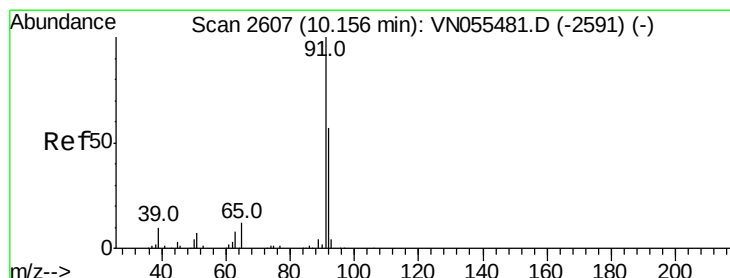
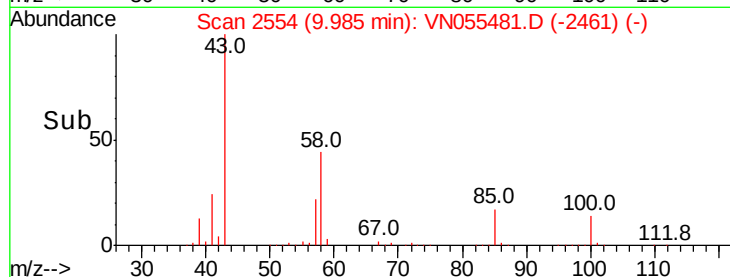
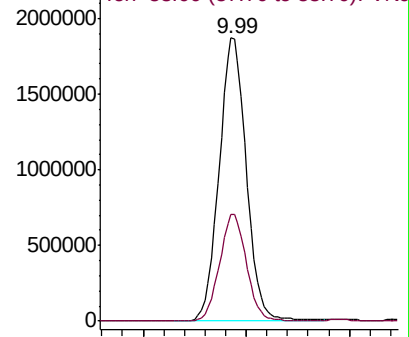
MMDadoda

5/9/2019 6:32:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.553 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055481.D

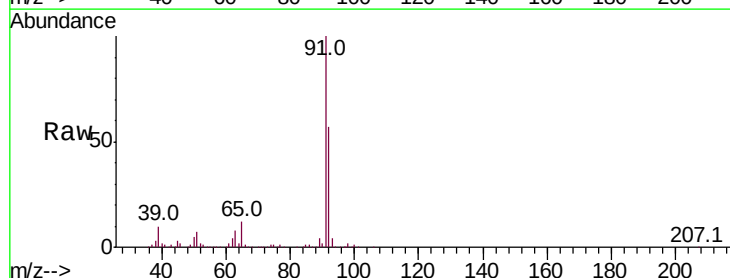
Acq: 8 May 2019 17:49

Tgt Ion: 92 Resp: 1093154

Ion Ratio Lower Upper

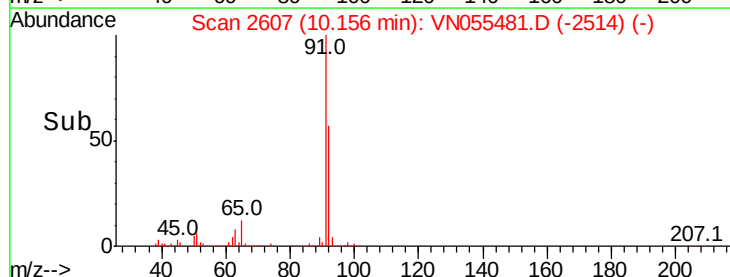
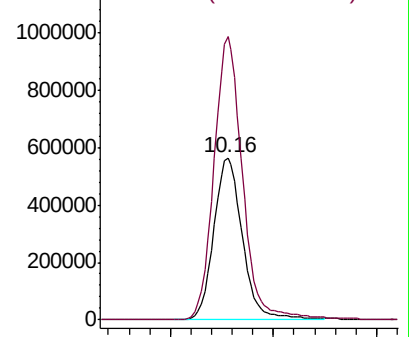
92 100

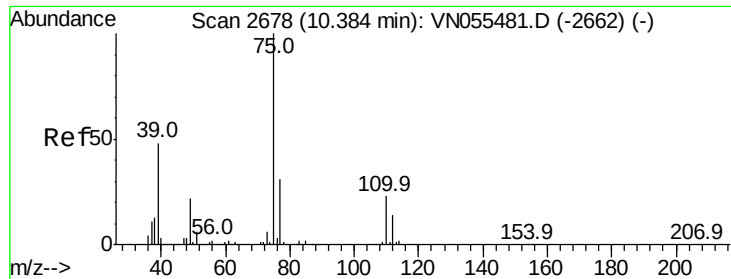
91 175.6 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





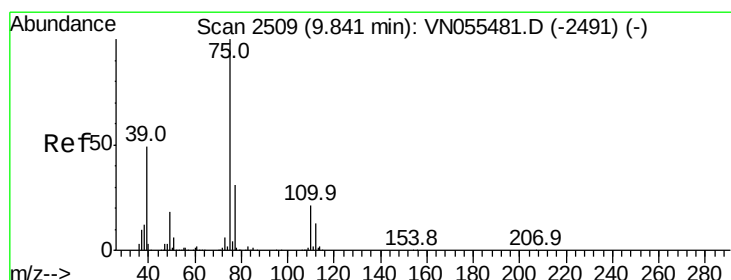
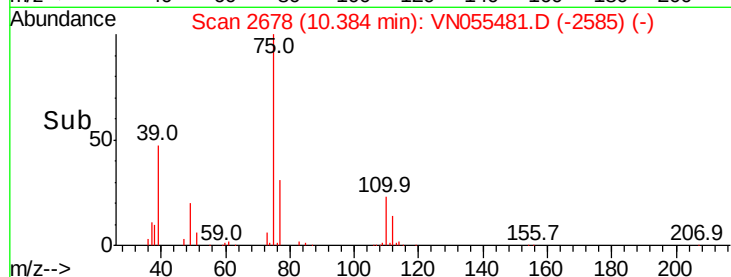
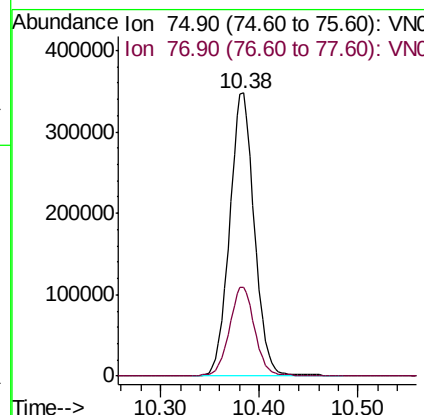
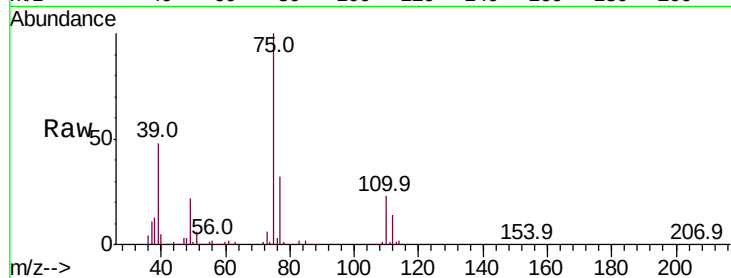
#53
t-1,3-Dichloropropene
Concen: 59.409 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 611827
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

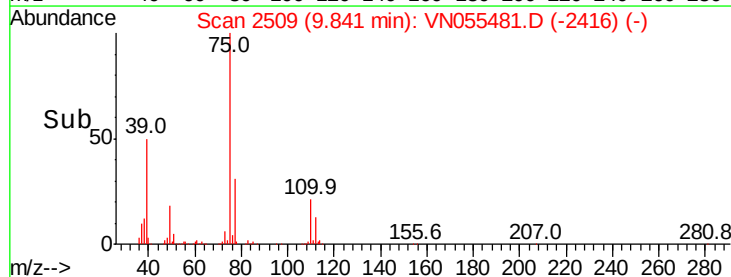
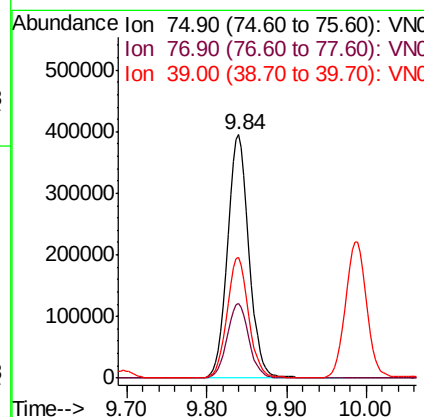
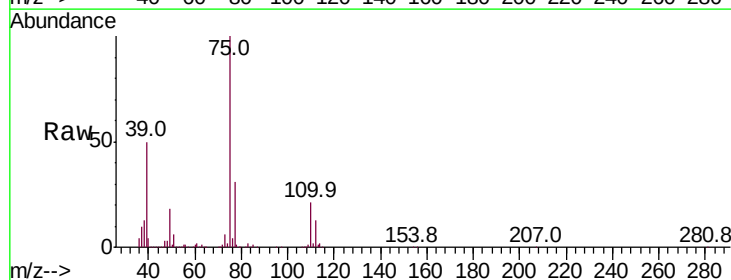
Manual Integrations
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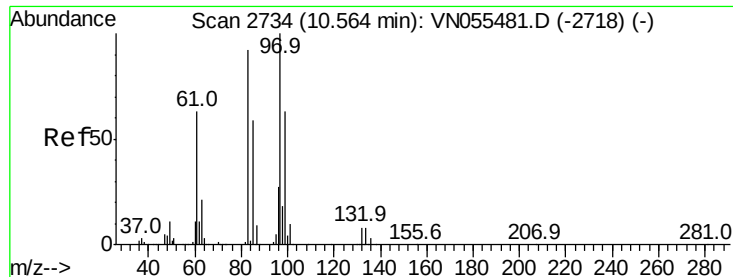
MMDadoda
5/9/2019 6:32:57 PM



#54
cis-1,3-Dichloropropene
Concen: 57.094 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 75 Resp: 727862
Ion Ratio Lower Upper
75 100
77 30.5 24.4 36.6
39 49.4 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 57.238 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

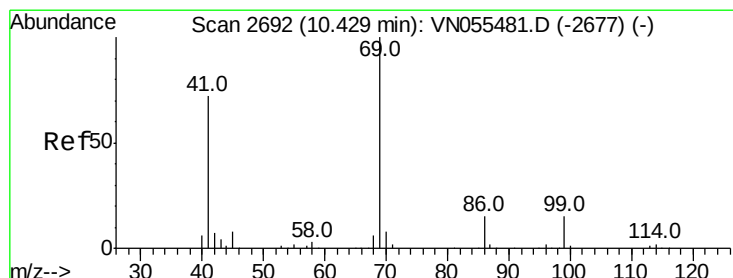
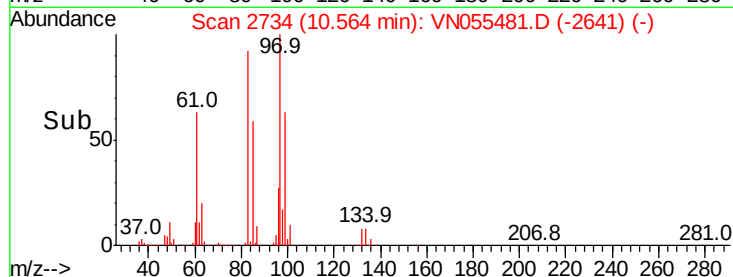
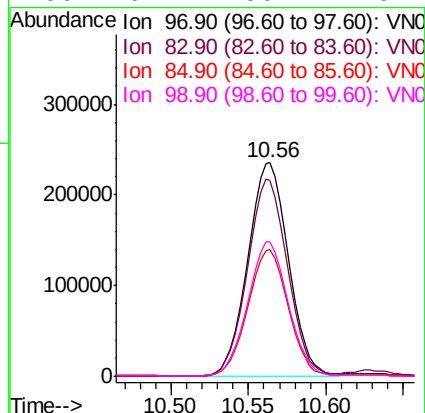
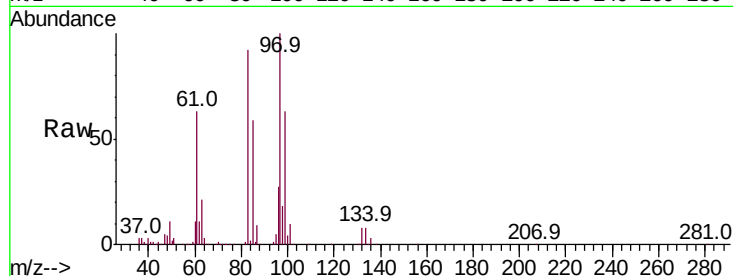
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	431140
Ion	Ratio	Lower	Upper
97	100		
83	91.5	73.2	109.8
85	59.4	47.5	71.3
99	62.7	50.2	75.2

Manual Integrations
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MMDadoda
5/9/2019 6:32:57 PM



#56

Ethyl methacrylate

Concen: 70.280 ug/l

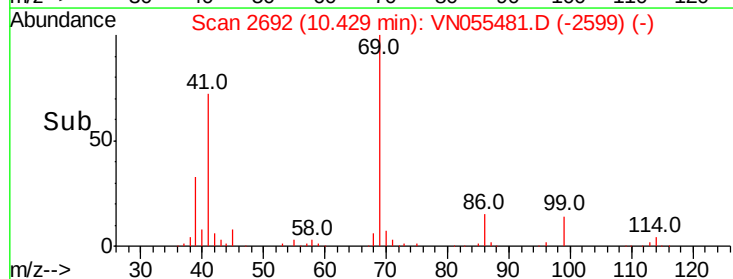
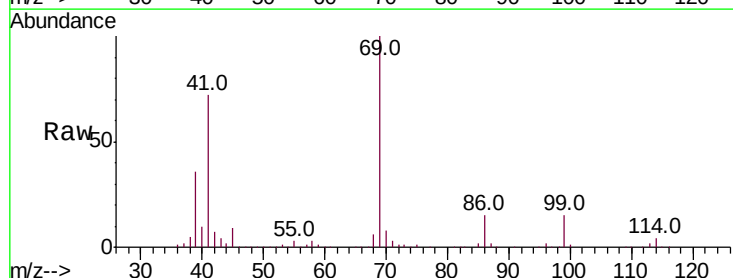
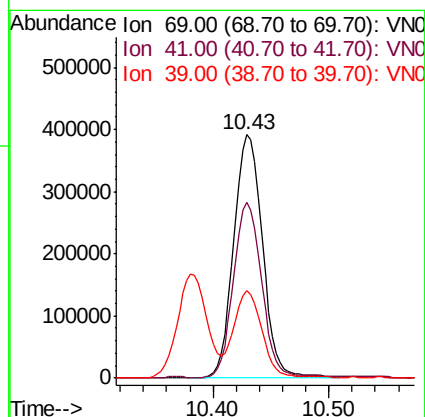
RT: 10.43 min Scan# 2692

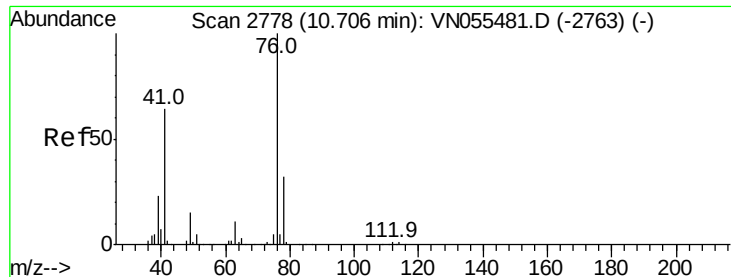
Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion:	69	Resp:	677241
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.2	84.2
39	34.7	27.8	41.6





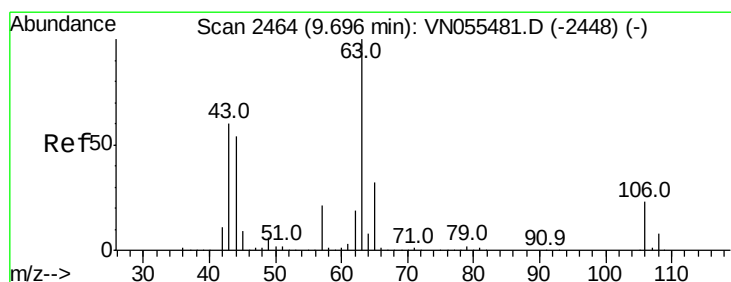
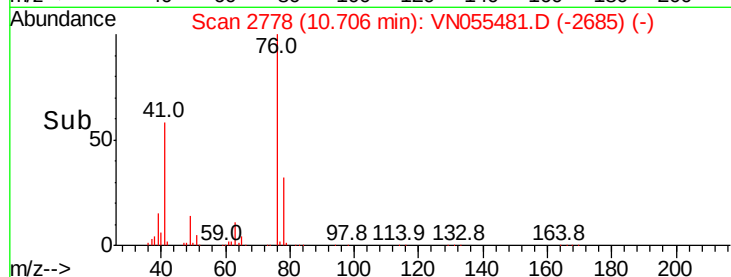
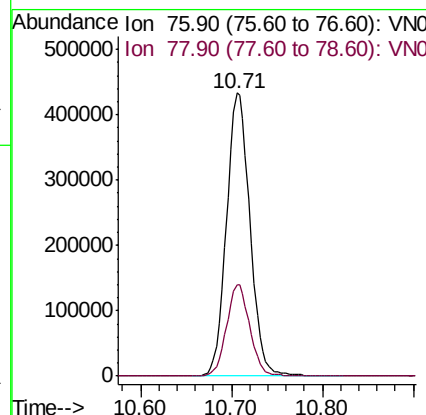
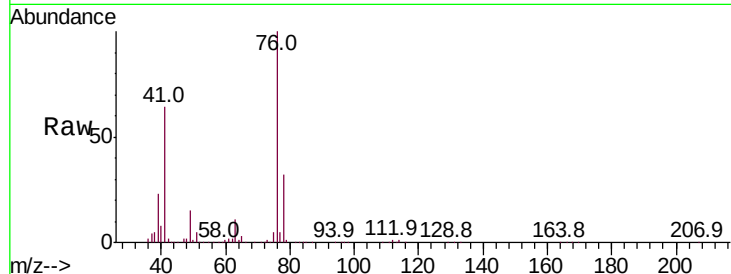
#57
 1,3-Dichloropropane
 Concen: 58.584 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 777130
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

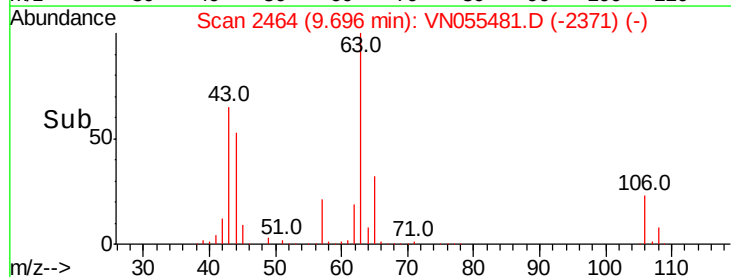
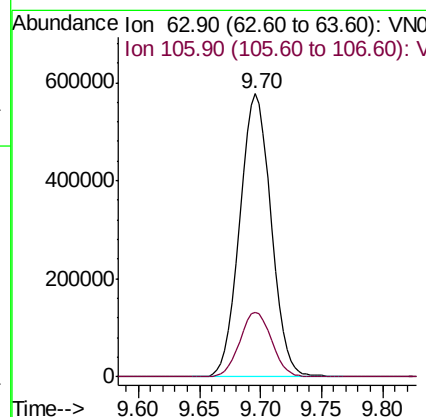
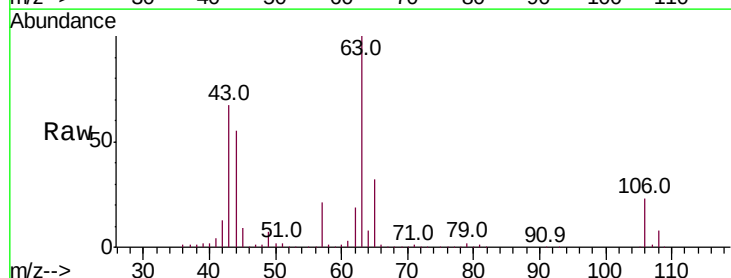
Manual Integrations
 APPROVED

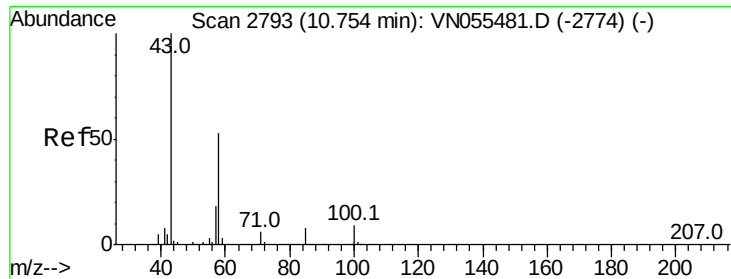
MMDadoda
 5/9/2019 6:32:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 392.807 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 63 Resp: 1027126
 Ion Ratio Lower Upper
 63 100
 106 23.2 18.6 27.8





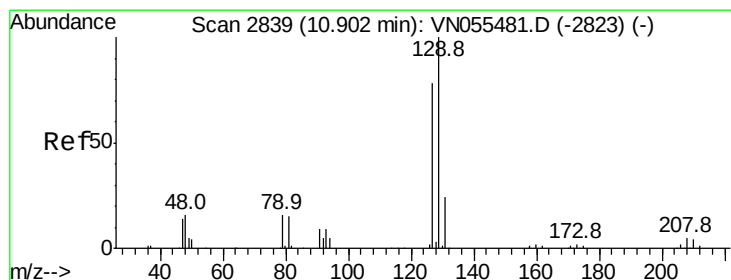
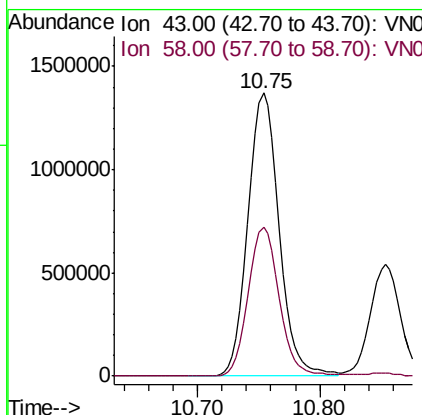
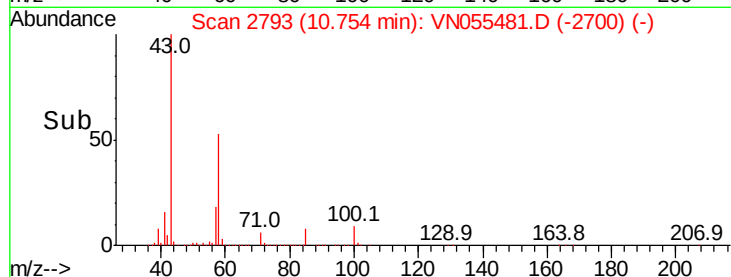
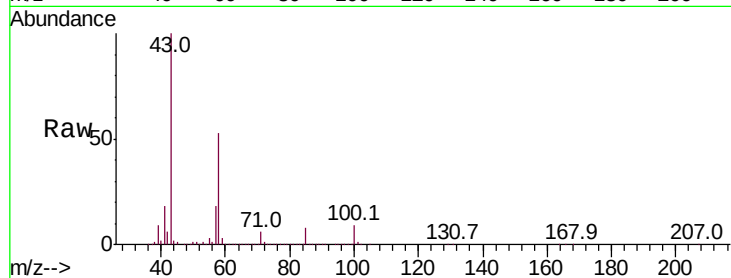
#59
2-Hexanone
Concen: 415.850 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2406214
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

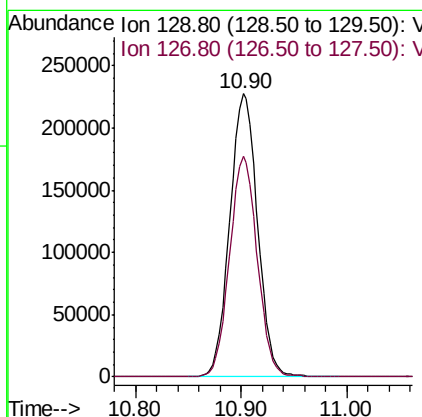
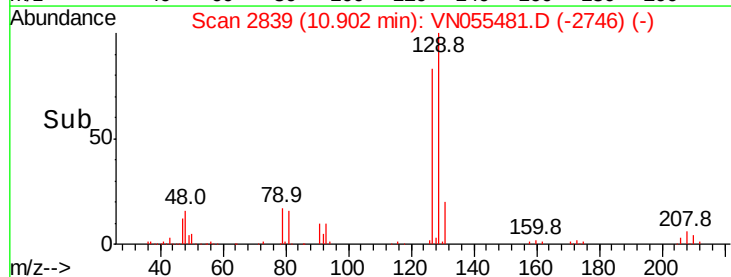
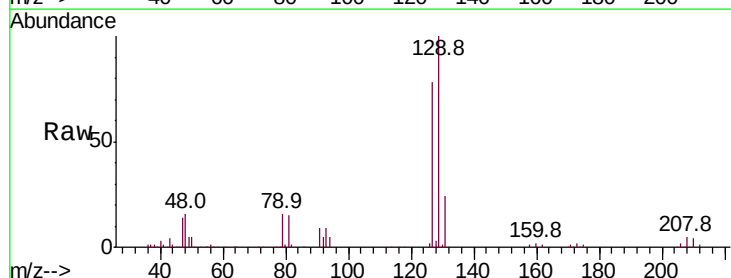
Manual Integrations
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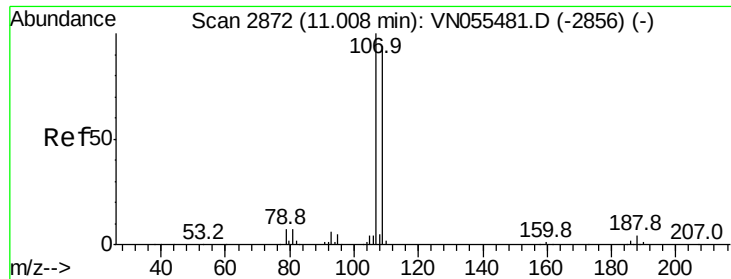
MMDadoda
5/9/2019 6:32:57 PM



#60
Dibromochloromethane
Concen: 55.194 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 129 Resp: 415661
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





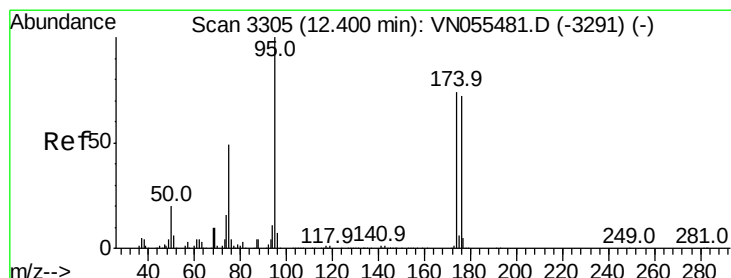
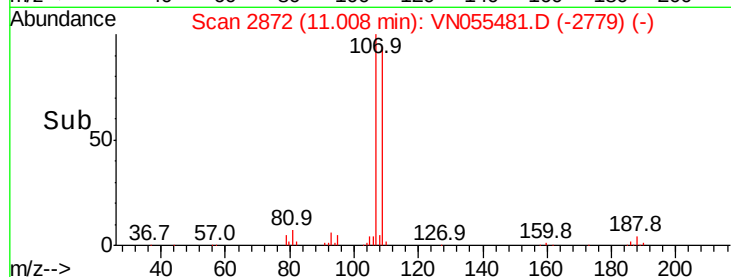
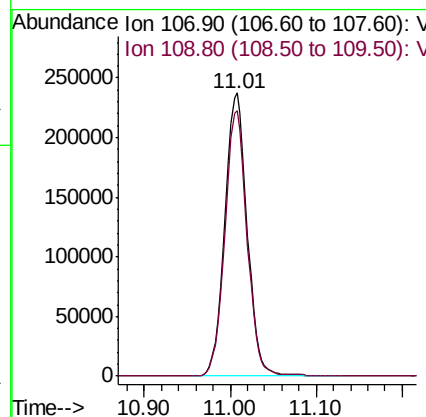
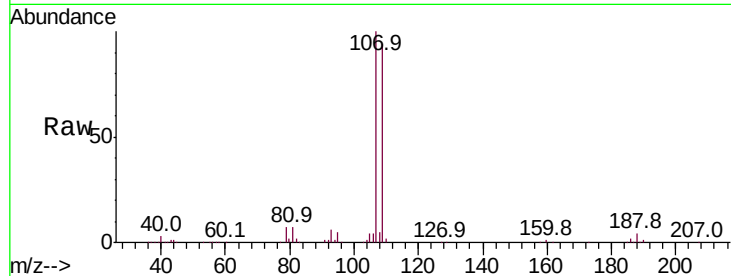
#61
 1,2-Dibromoethane
 Concen: 61.135 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	429757		
109	92.8	74.2	111.4	

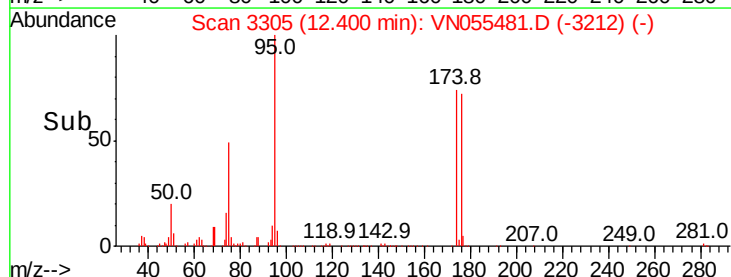
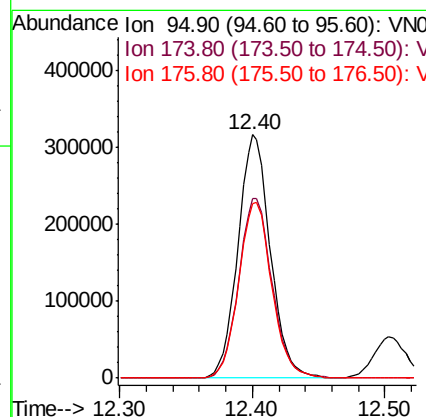
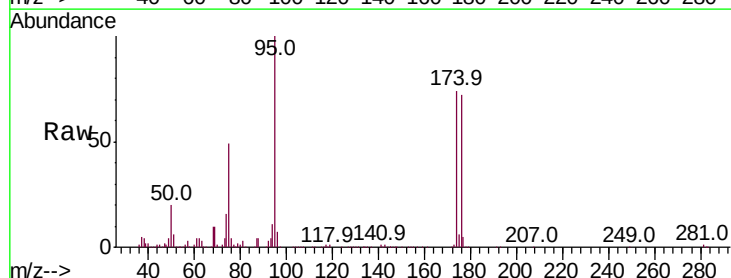
Manual Integrations
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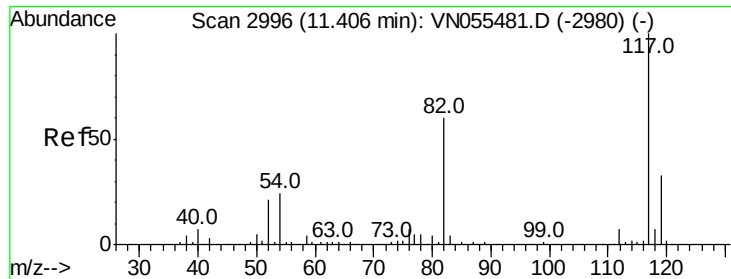
MMDadoda
 5/9/2019 6:32:57 PM



#62
 4-Bromofluorobenzene
 Concen: 58.130 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	537712		
174	76.1	0.0	152.2	
176	73.9	0.0	147.8	





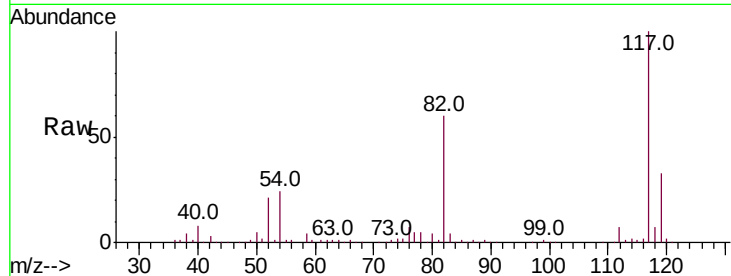
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

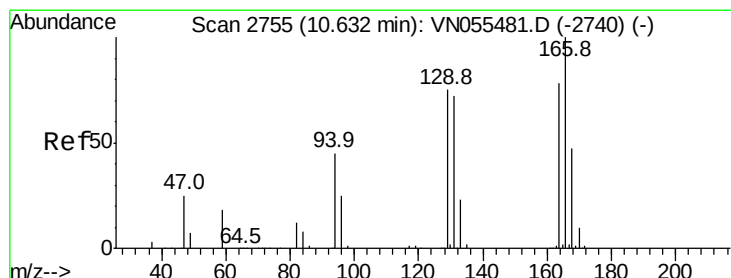
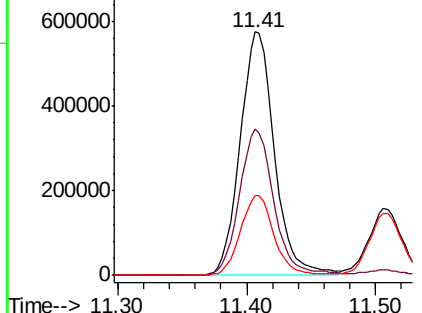
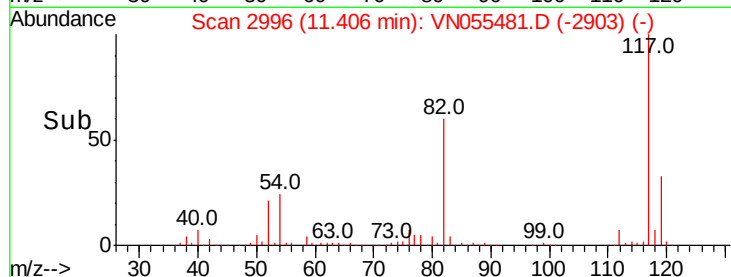
Tot Ion:117 Resp: 1064290
Ion Ratio Lower Upper
117 100
82 60.0 48.0 72.0
119 32.5 26.0 39.0

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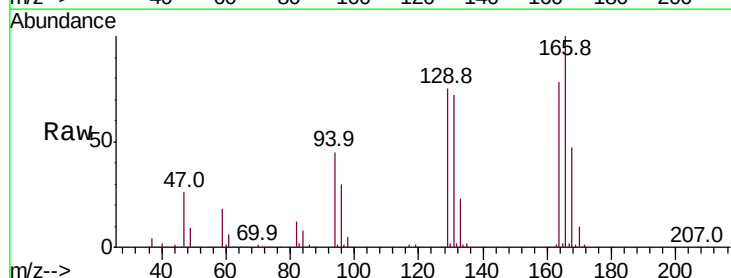


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

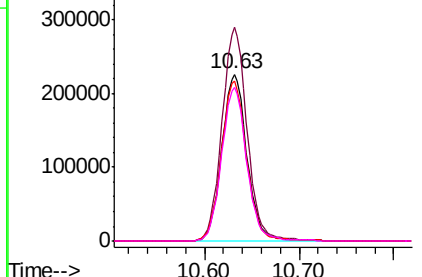
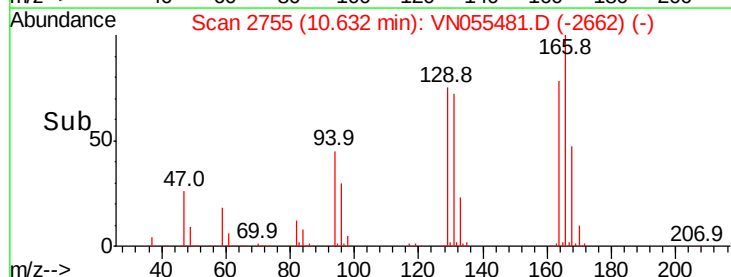


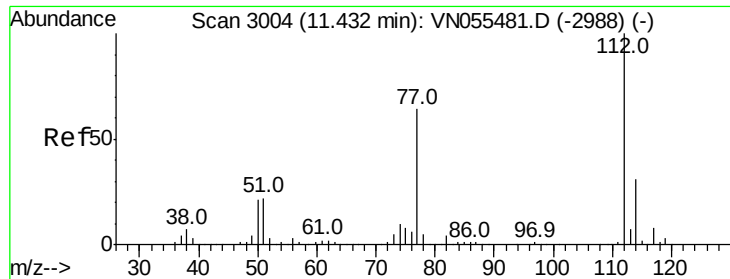
#64
Tetrachloroethene
Concen: 47.652 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:164 Resp: 417176
Ion Ratio Lower Upper
164 100
166 128.2 102.6 153.8
129 96.3 77.0 115.6
131 92.1 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





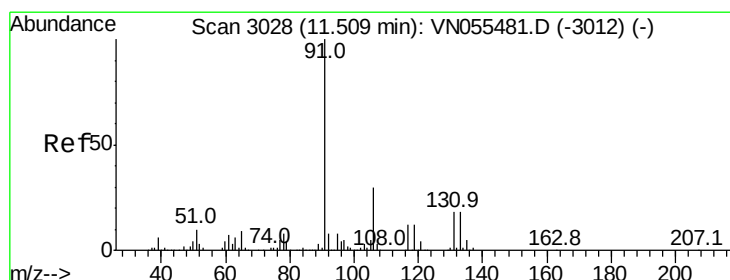
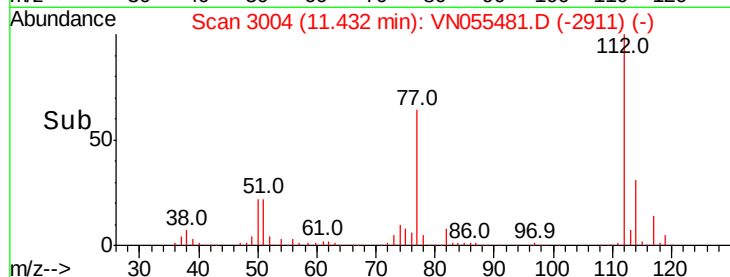
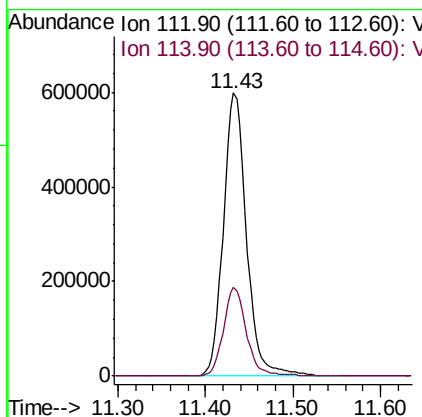
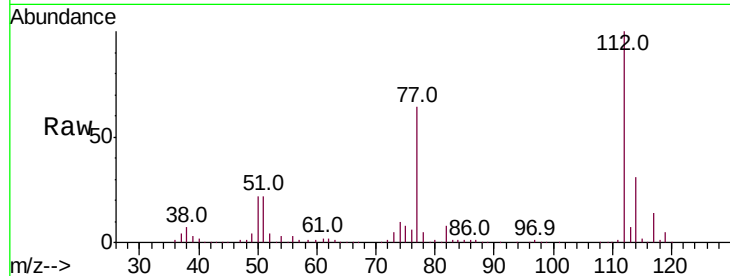
#65
Chlorobenzene
Concen: 52.155 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1099399
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

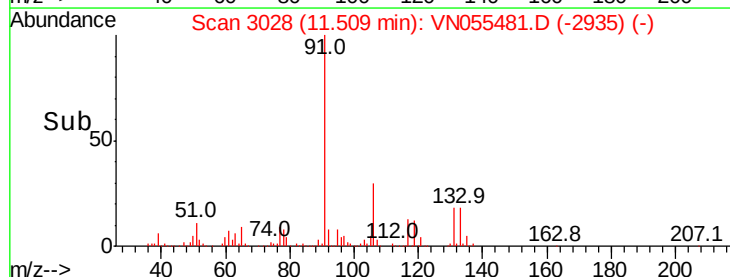
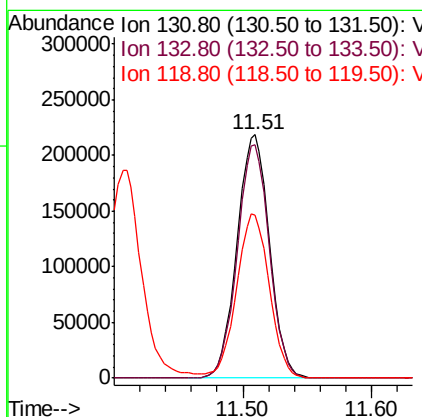
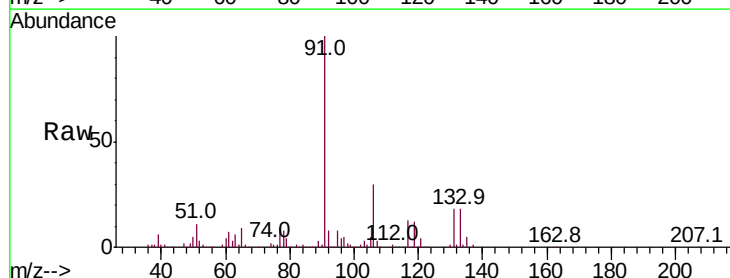
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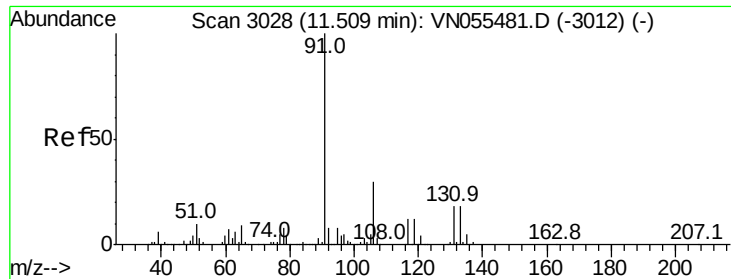
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.126 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:131 Resp: 381751
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 68.1 34.1 102.2





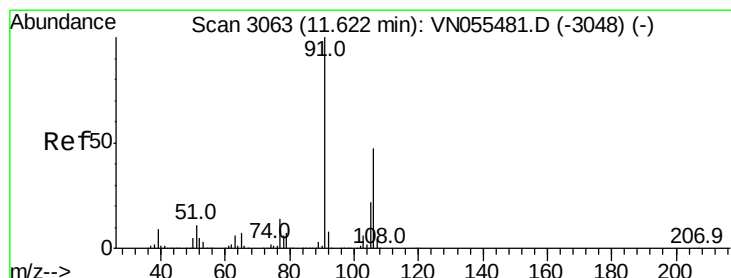
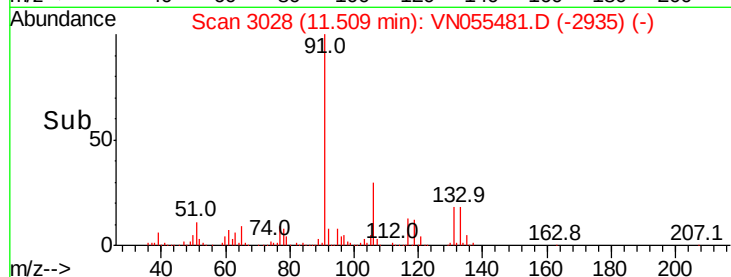
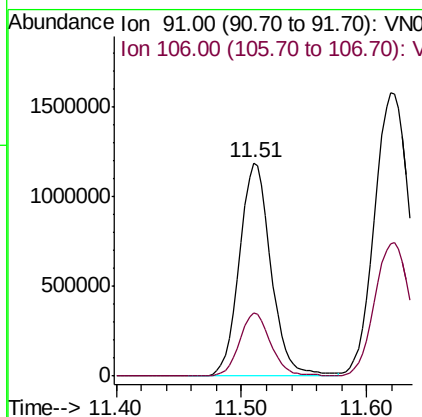
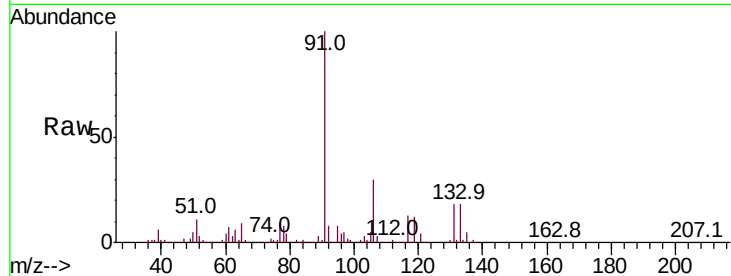
#67
Ethyl Benzene
Concen: 54.435 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2081452
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

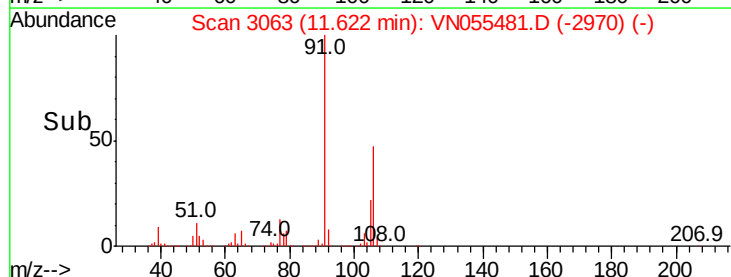
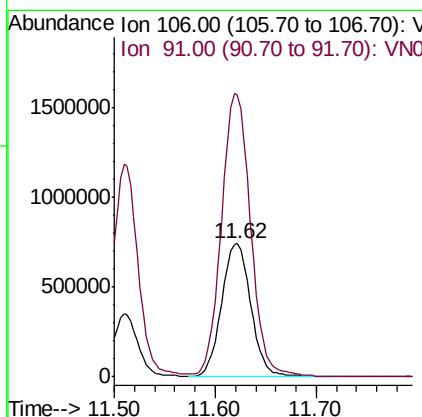
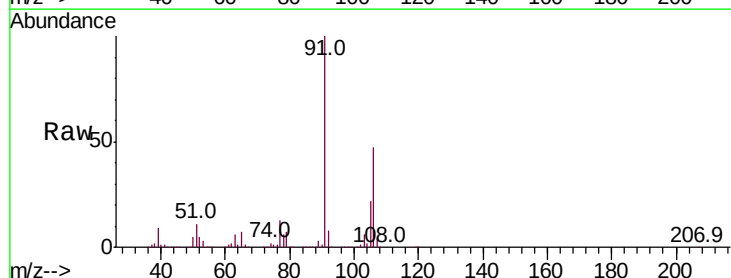
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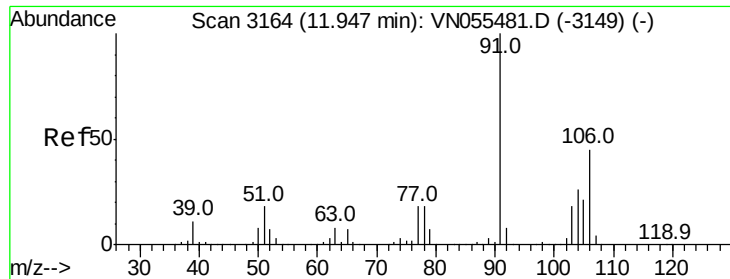
MMDadoda
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#68
m/p-Xylenes
Concen: 110.530 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 106 Resp: 1512103
Ion Ratio Lower Upper
106 100
91 211.5 169.2 253.8





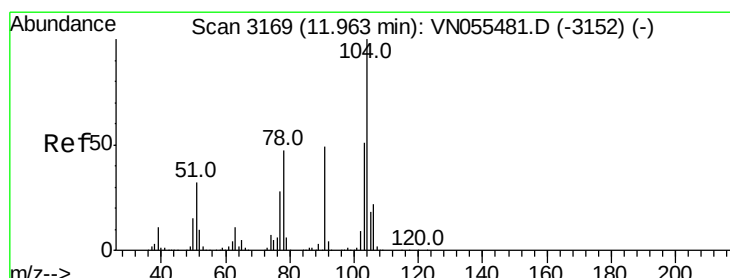
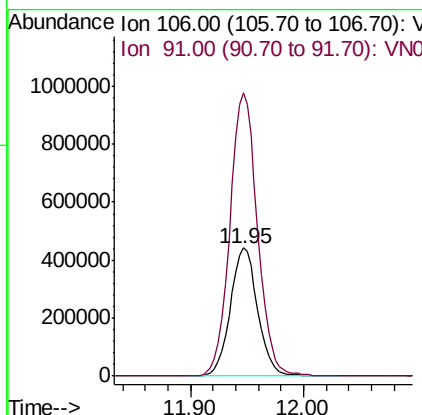
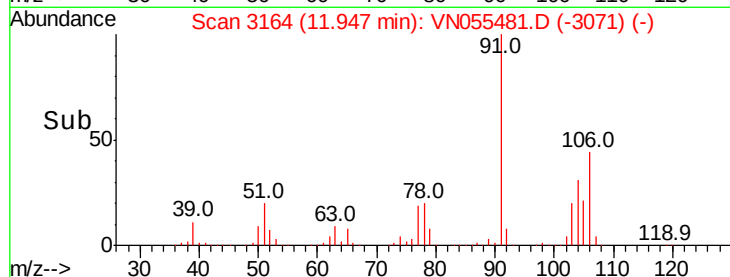
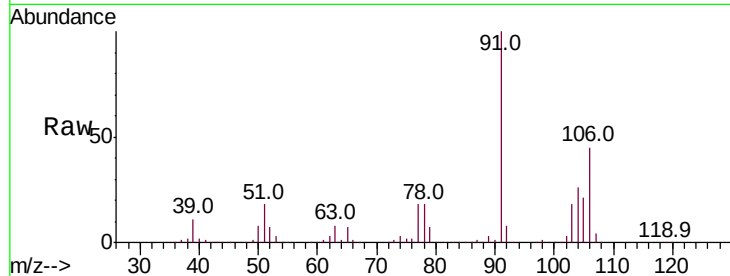
#69
o-Xylene
Concen: 54.807 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 743360
Ion Ratio Lower Upper
106 100
91 222.5 111.3 333.8

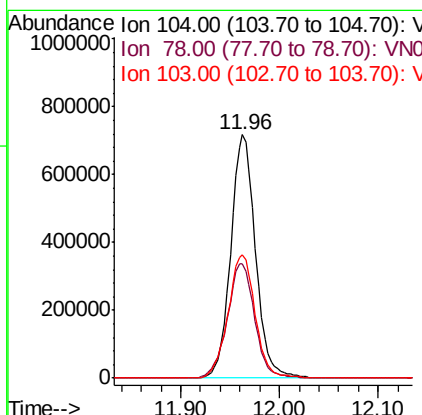
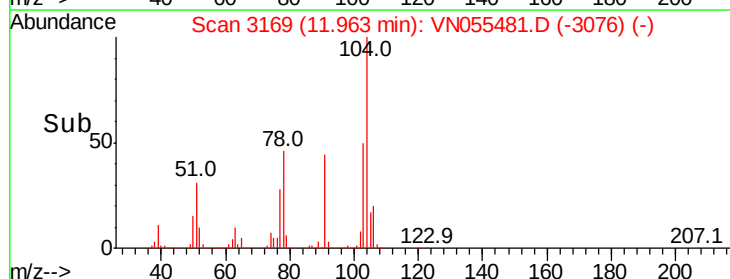
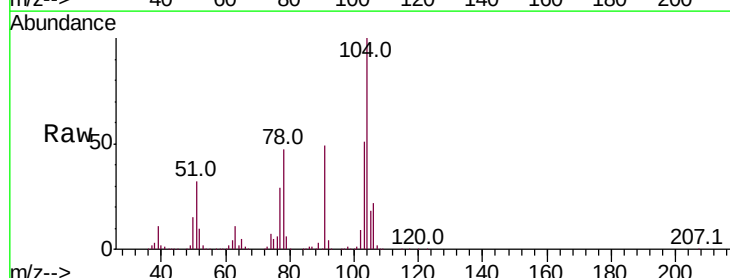
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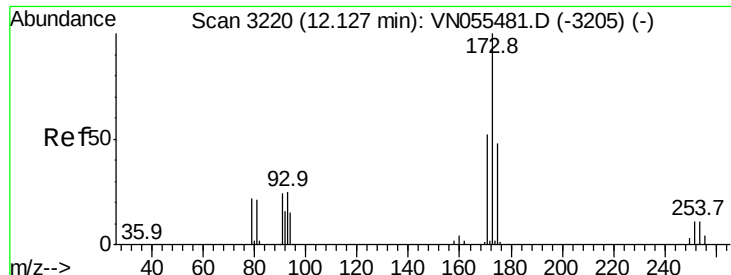
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#70
Styrene
Concen: 60.055 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:104 Resp: 1257273
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 55.5 44.4 66.6





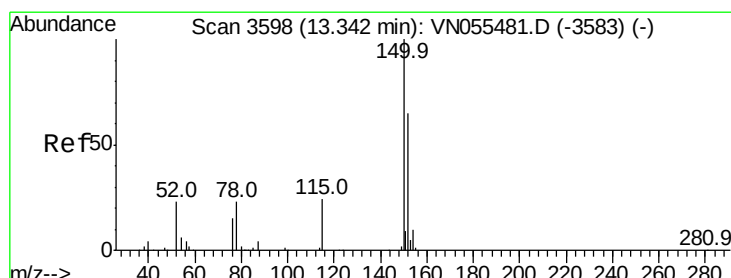
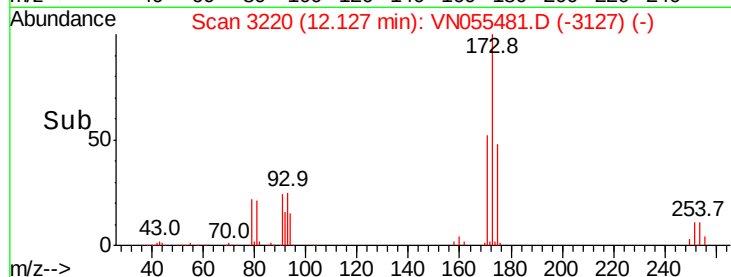
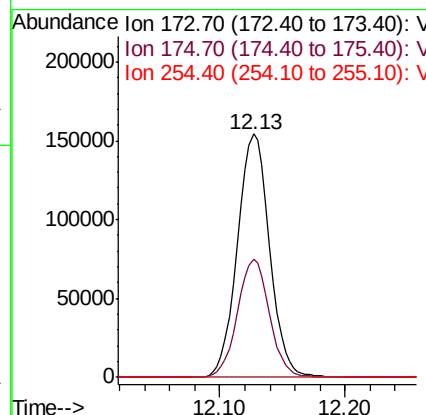
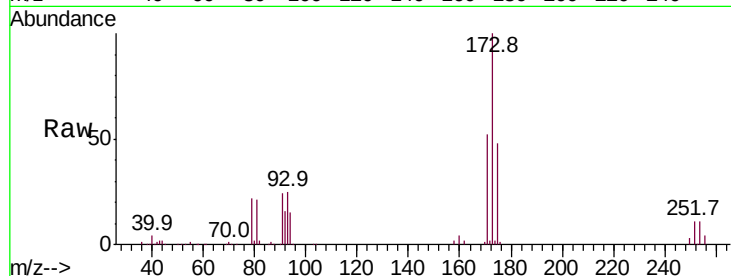
#71
Bromoform
Concen: 59.428 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.1	0.1

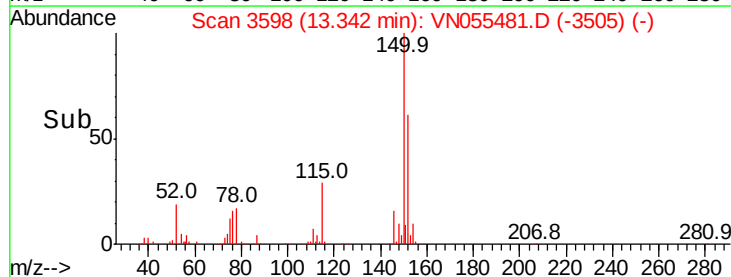
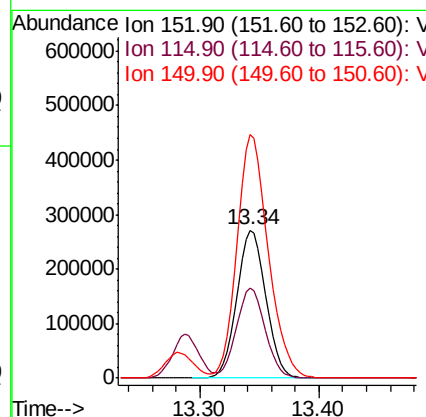
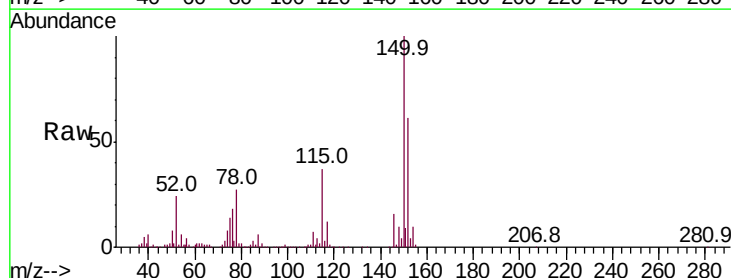
Manual Integrations
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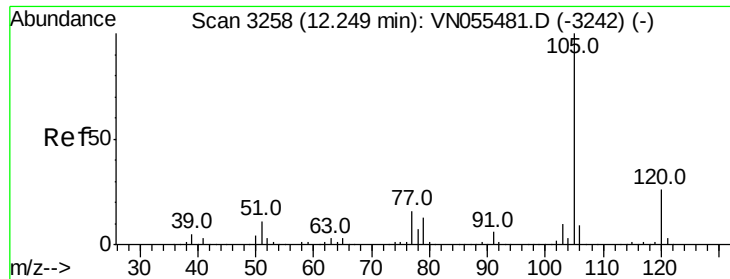
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	177.5	0.0	355.0





#73

Isopropylbenzene

Concen: 42.767 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1959813

Ion Ratio Lower Upper

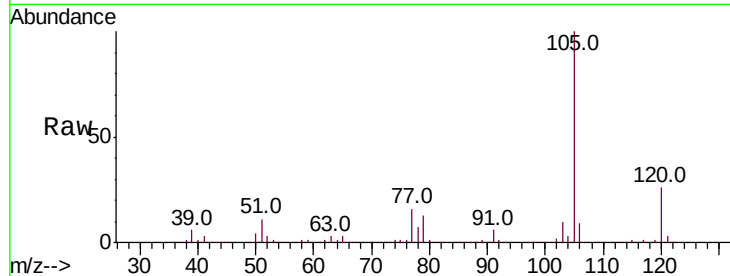
105 100

120 26.0 13.0 39.0

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

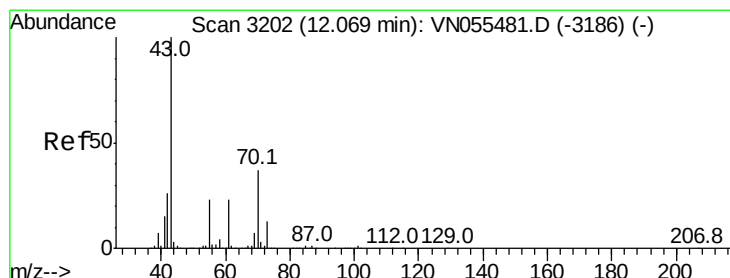
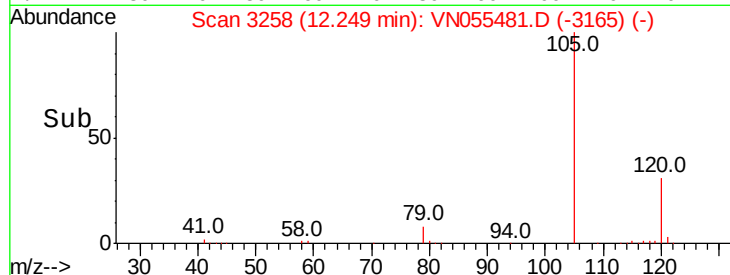
12.25

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 68.555 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion: 43 Resp: 866965

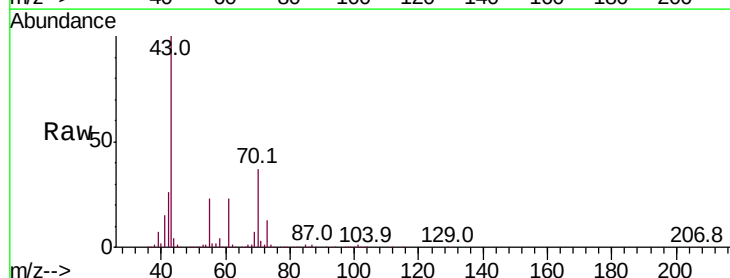
Ion Ratio Lower Upper

43 100

70 38.4 30.7 46.1

55 24.1 19.3 28.9

61 23.2 18.6 27.8



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

12.07

800000

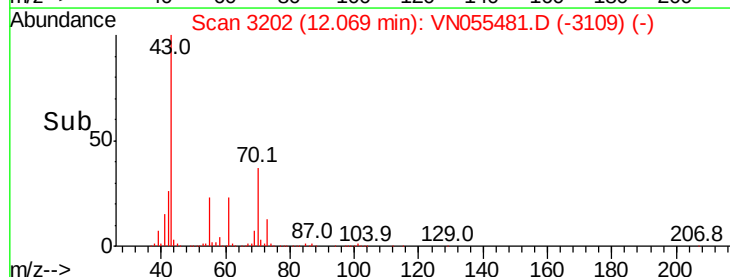
600000

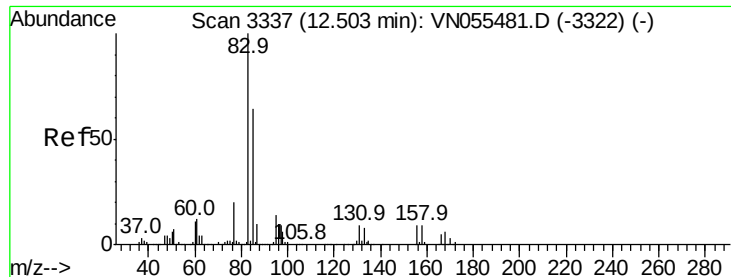
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.627 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 638327
Ion Ratio Lower Upper

83 100

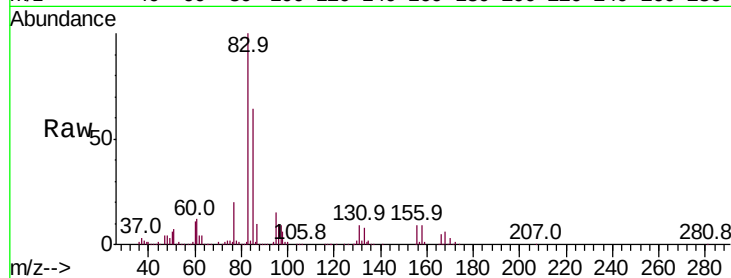
131 9.0 4.5 13.5

85 64.0 32.0 96.0

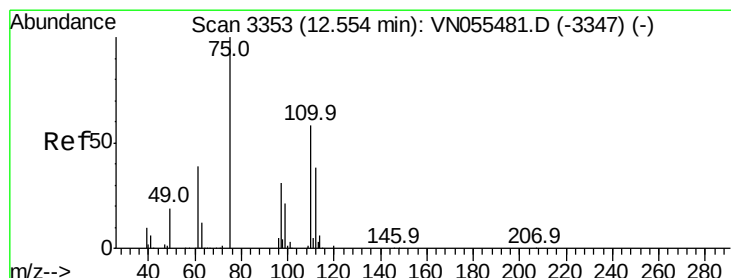
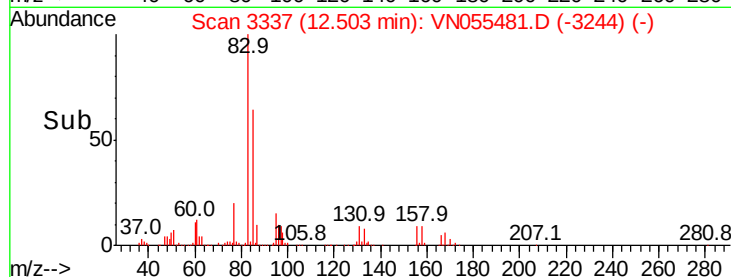
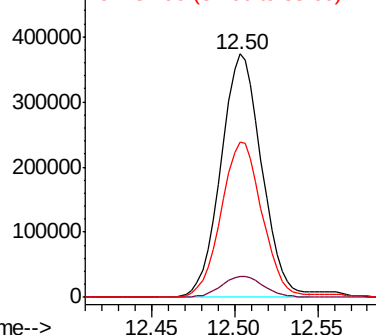
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 53.671 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

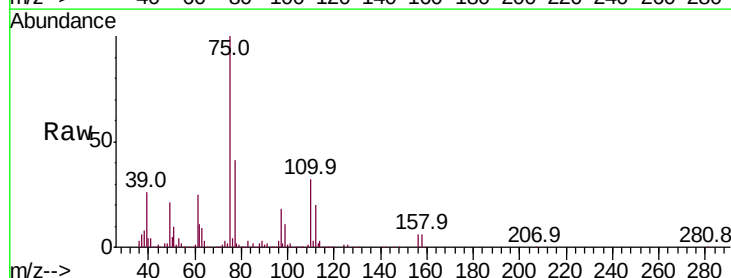
Lab File: VN055481.D

Acq: 8 May 2019 17:49

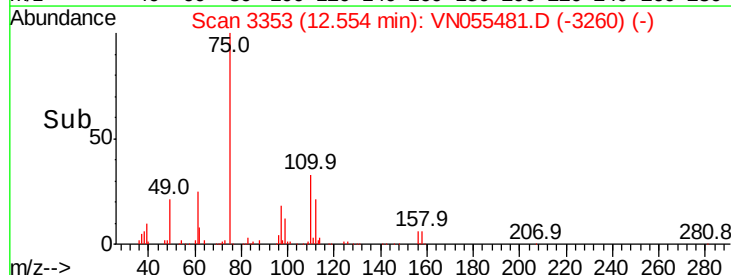
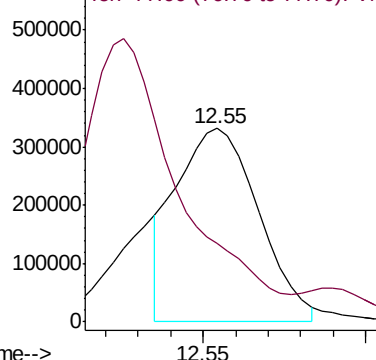
Tgt Ion: 75 Resp: 585036
Ion Ratio Lower Upper

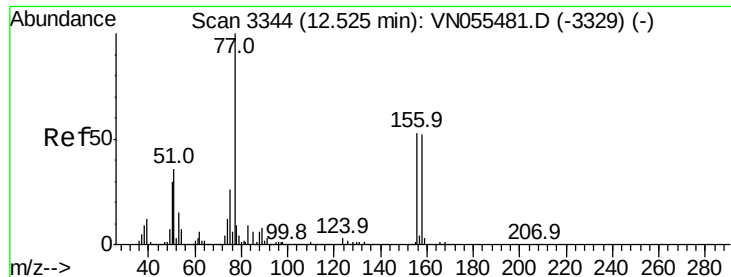
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





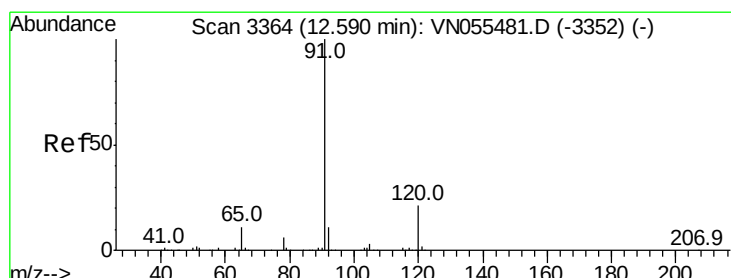
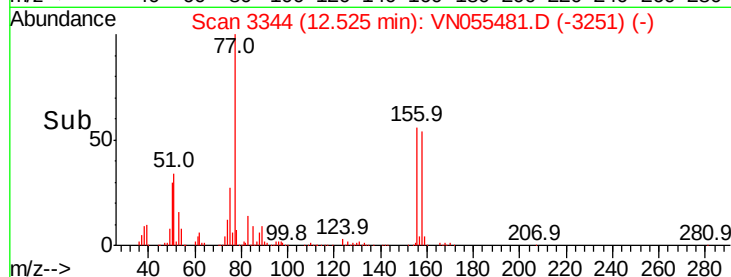
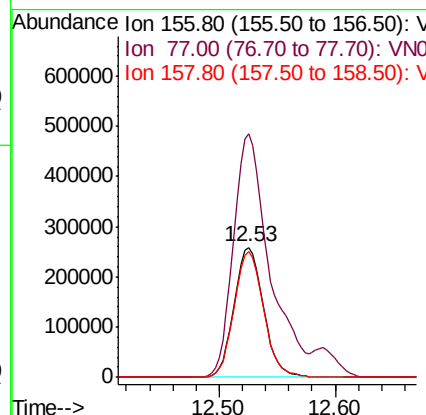
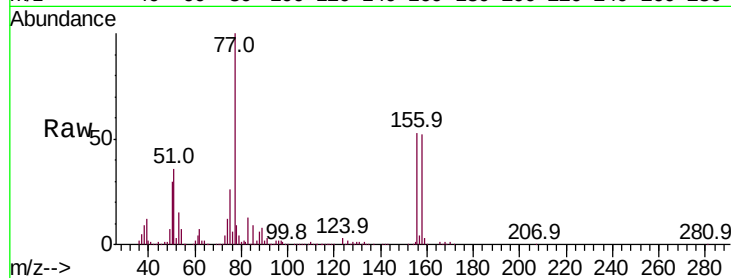
#77
 Bromobenzene
 Concen: 43.495 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.8	115.4	346.2
158	97.4	48.7	146.1

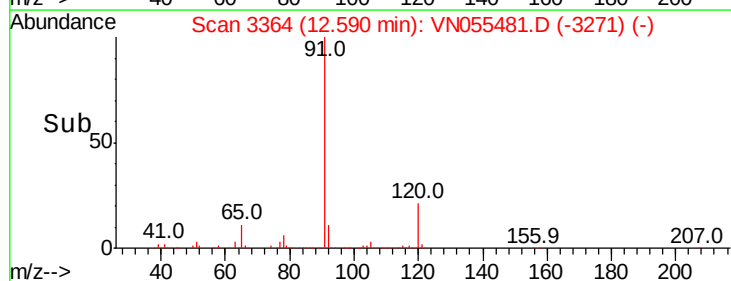
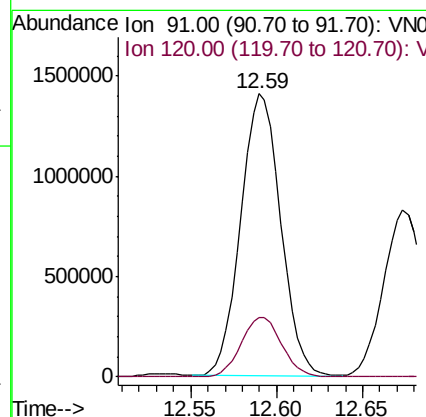
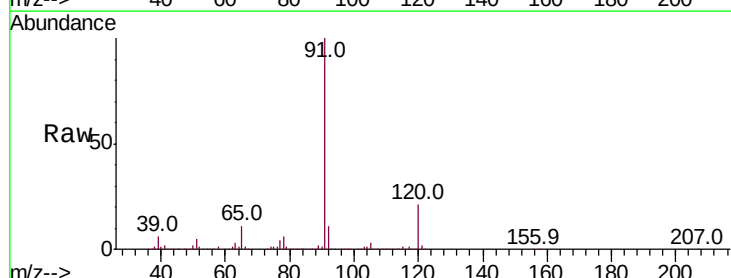
Manual Integrations
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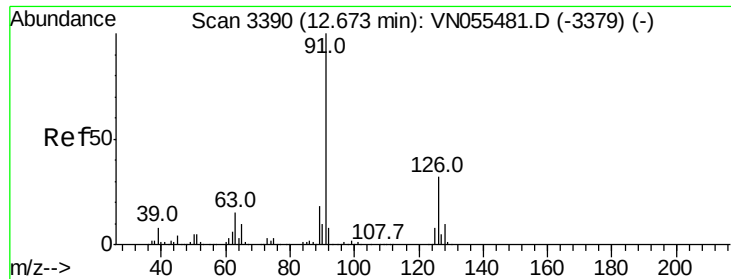
MMDadoda
 5/9/2019 6:32:57 PM



#78
 n-propylbenzene
 Concen: 48.020 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 45.792 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1389228

Ion Ratio Lower Upper

91 100

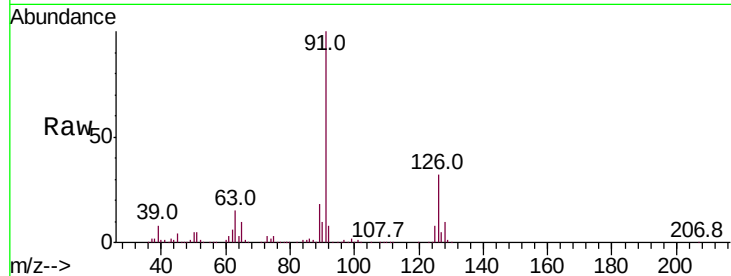
126 31.9 16.0 47.9

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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

12.67

800000

600000

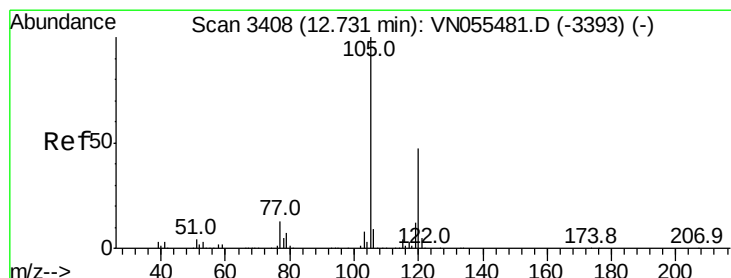
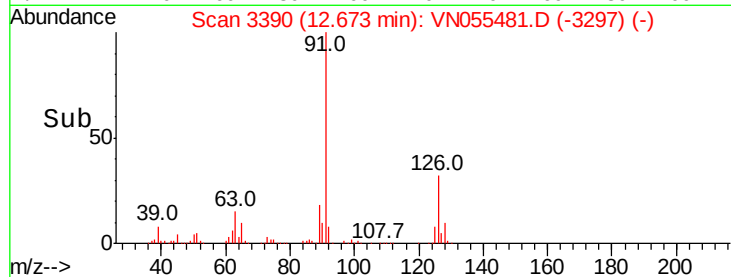
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.888 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055481.D

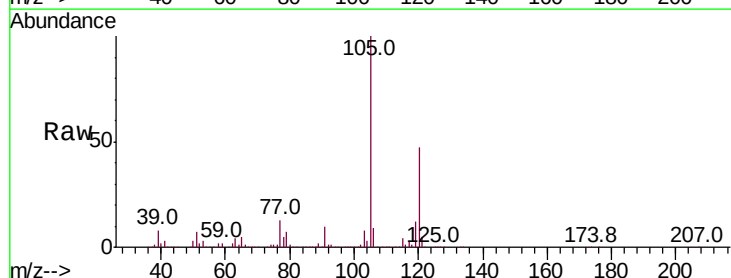
Acq: 8 May 2019 17:49

Tgt Ion:105 Resp: 1700229

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

12.73

1200000

1000000

800000

600000

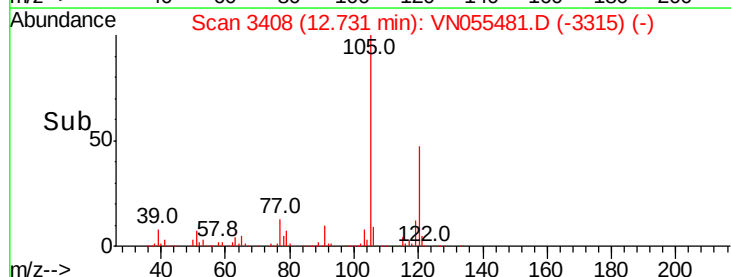
400000

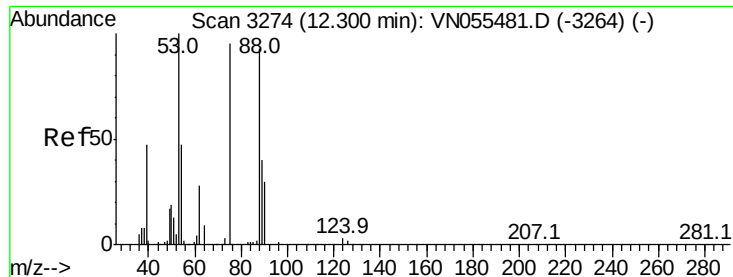
200000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 63.102 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

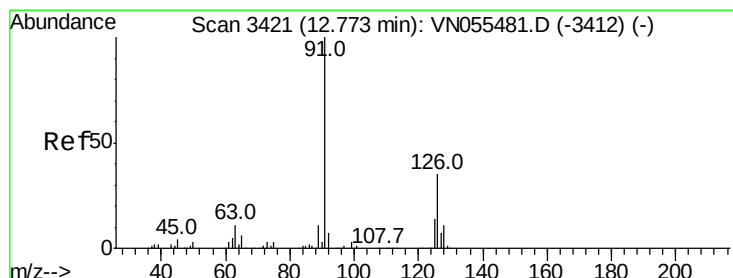
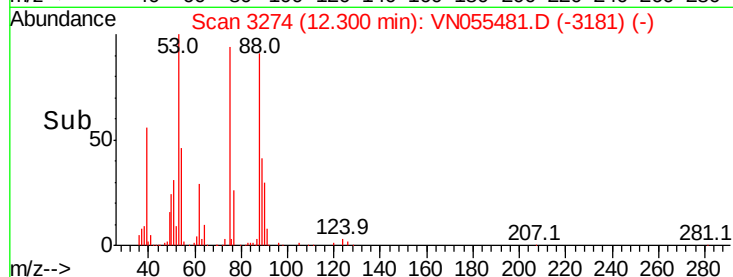
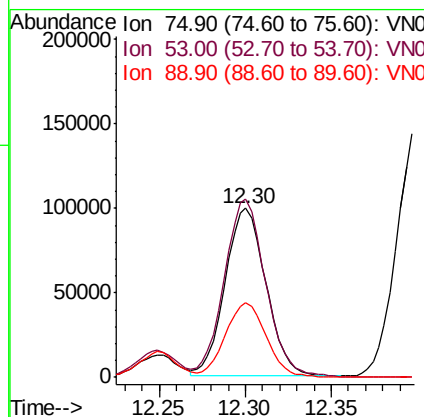
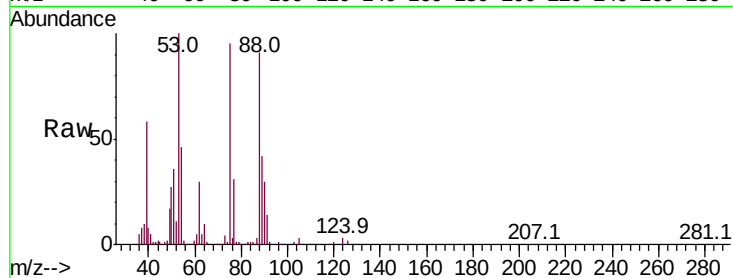
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	164875
Ion	Ratio	Lower	Upper
75	100		
53	108.1	86.5	129.7
89	44.6	35.7	53.5

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#82

4-Chlorotoluene

Concen: 48.874 ug/l

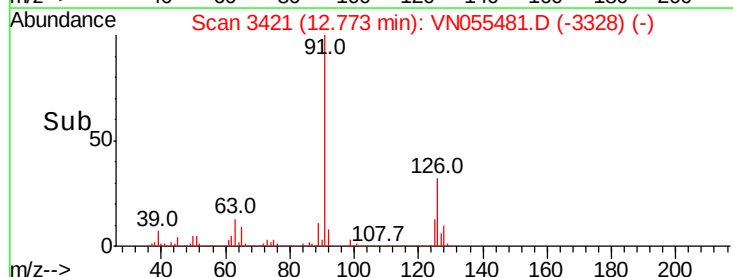
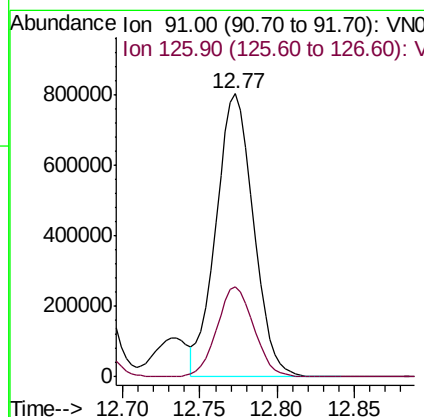
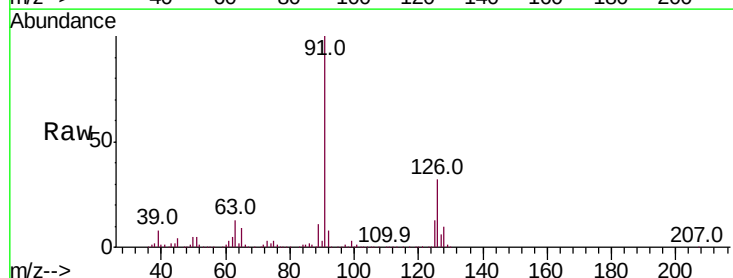
RT: 12.77 min Scan# 3421

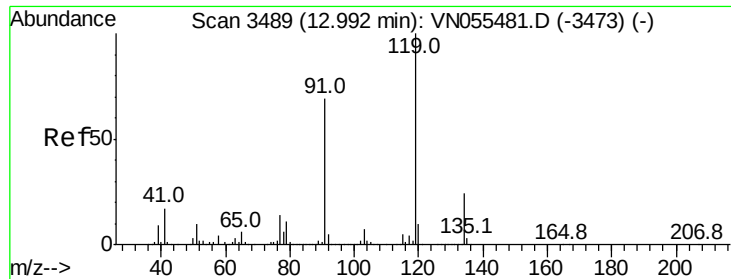
Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion:	91	Resp:	1352904
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





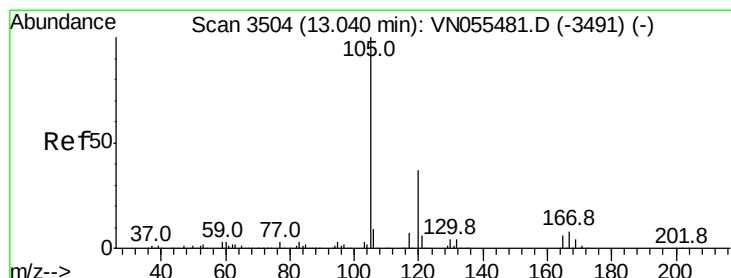
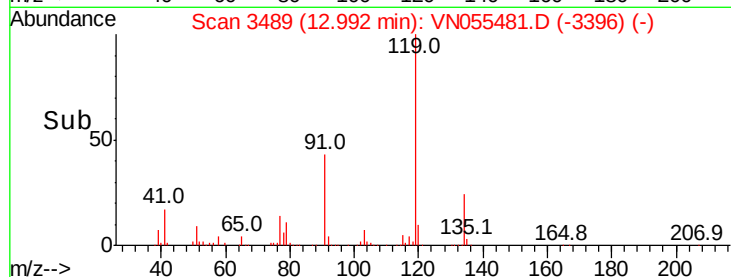
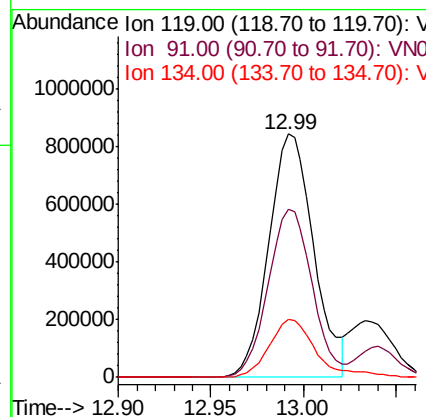
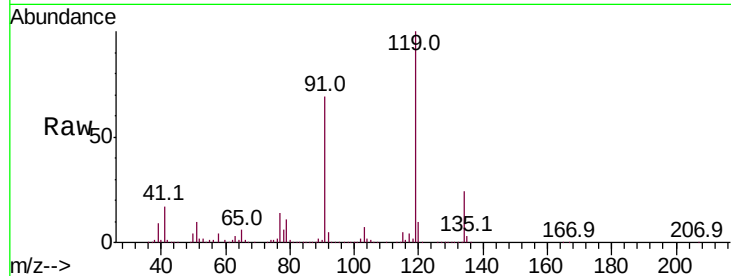
#83
 tert-Butylbenzene
 Concen: 43.832 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:119 Resp: 1420144
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.8 101.3
 134 25.0 12.5 37.5

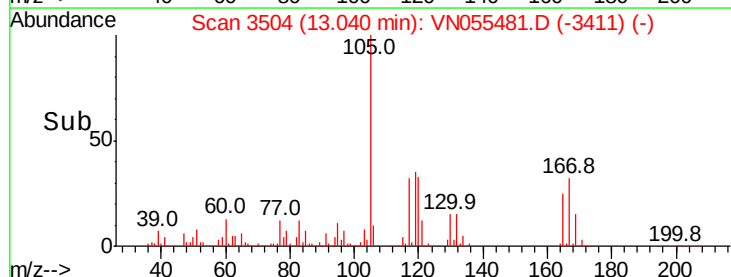
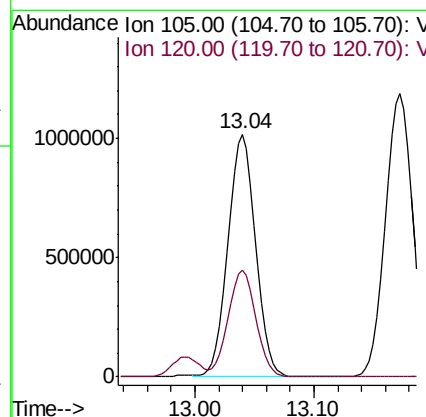
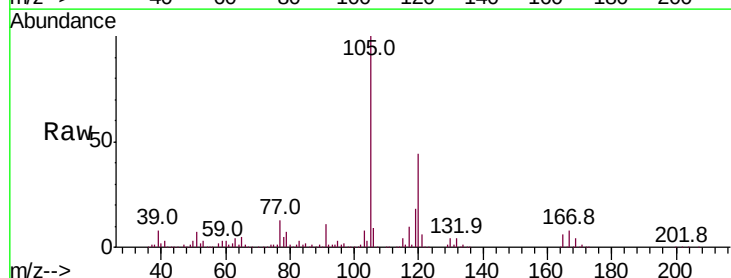
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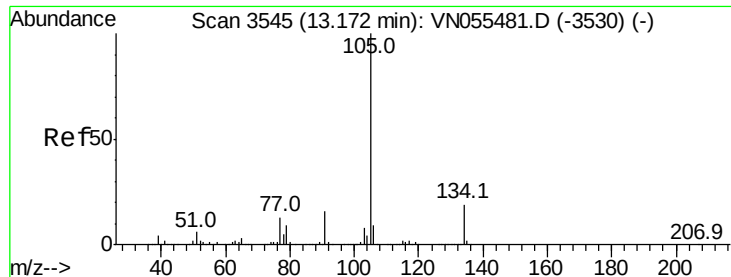
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.353 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion:105 Resp: 1632521
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 48.405 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1914360

Ion Ratio Lower Upper

105 100

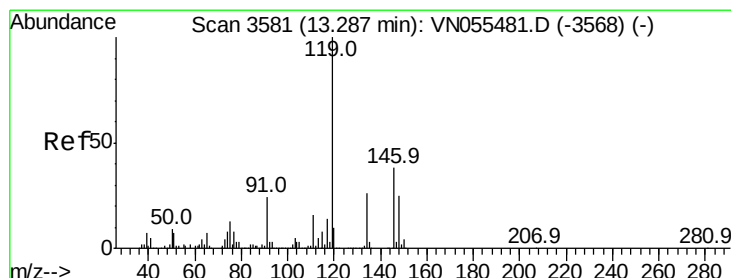
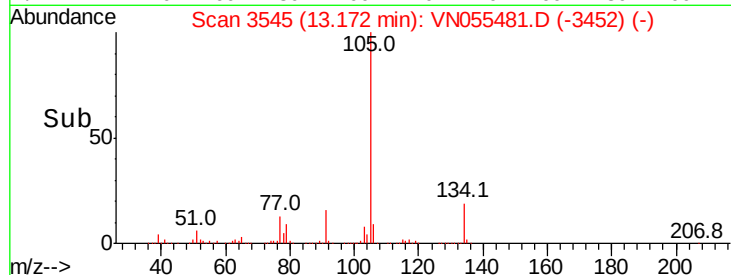
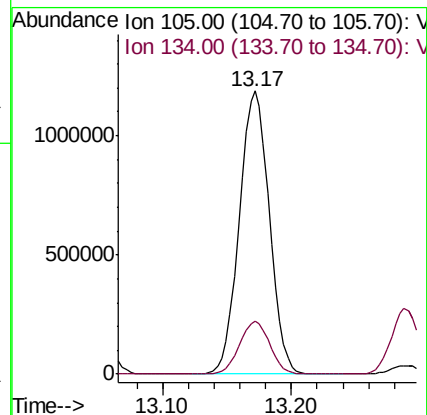
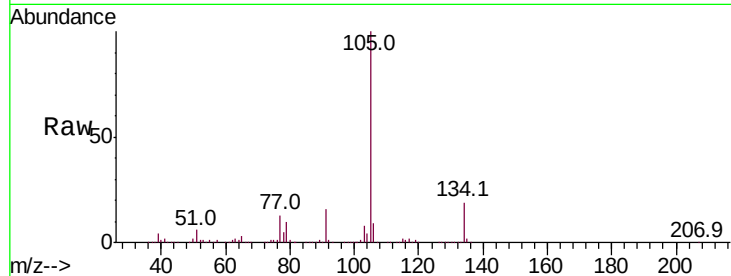
134 18.7 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 50.539 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

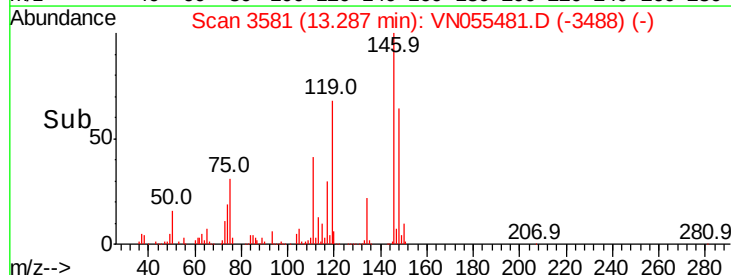
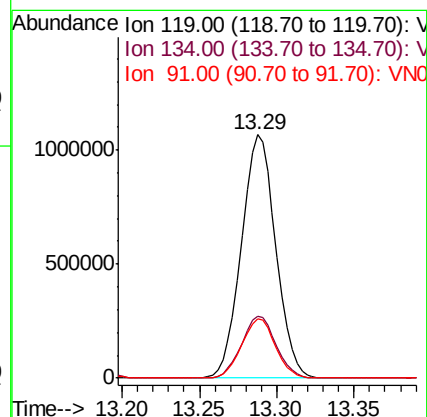
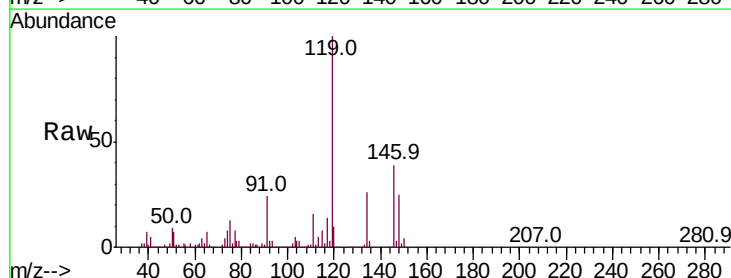
Tgt Ion:119 Resp: 1640435

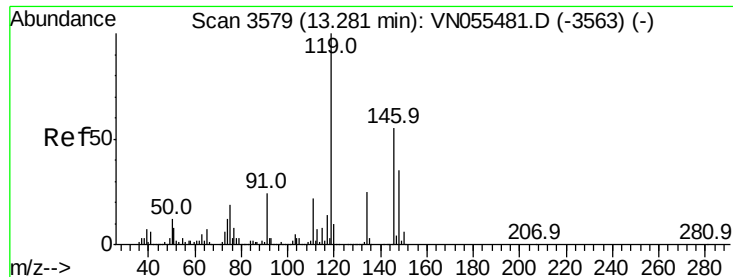
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 49.813 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055481.D

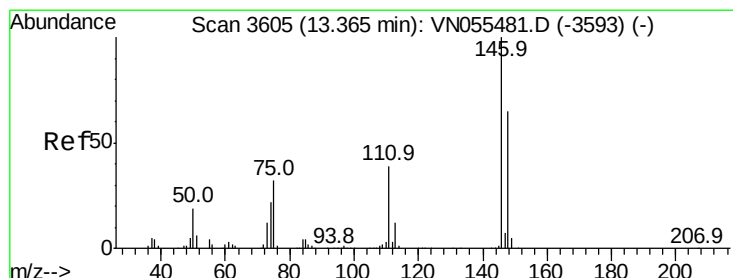
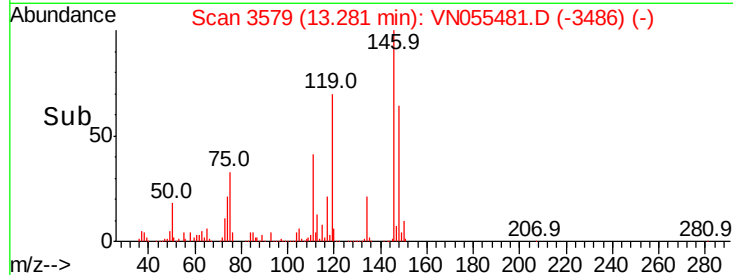
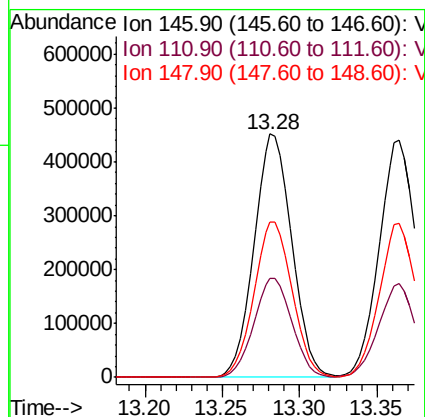
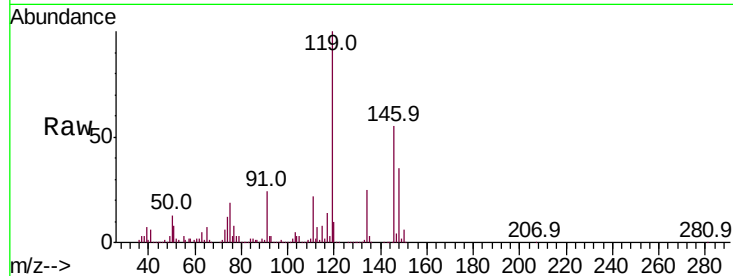
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.3	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 51.060 ug/l

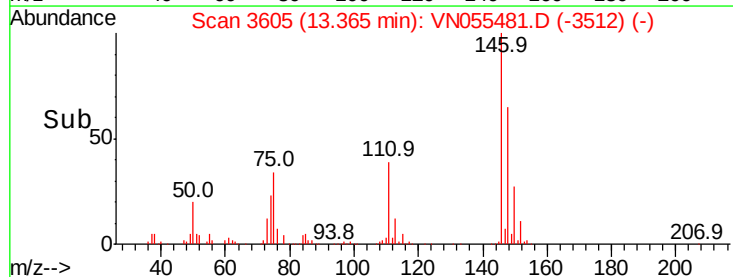
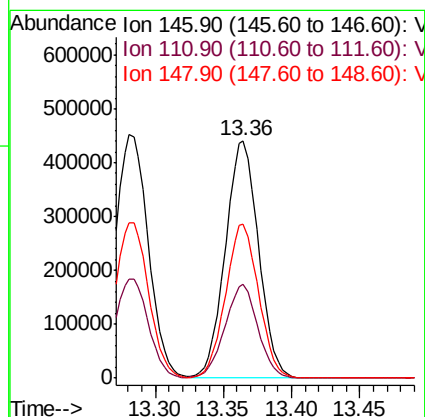
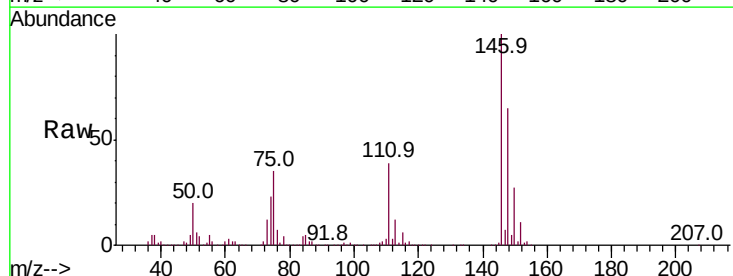
RT: 13.36 min Scan# 3605

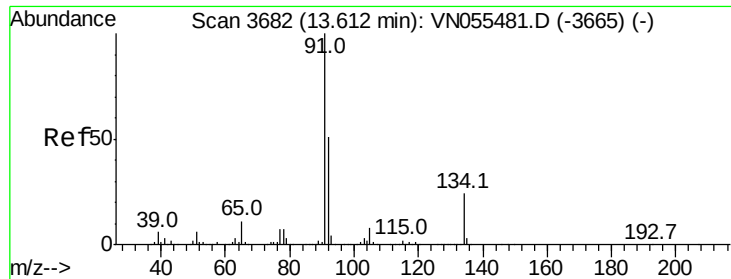
Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.9	32.5	97.4





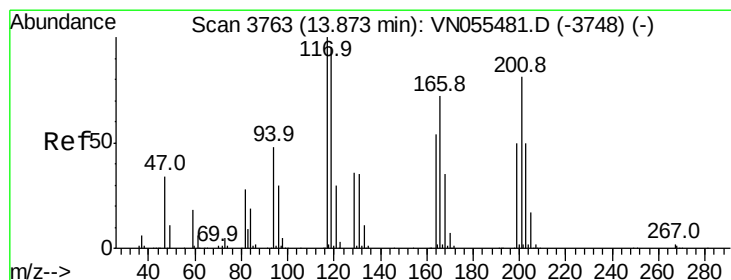
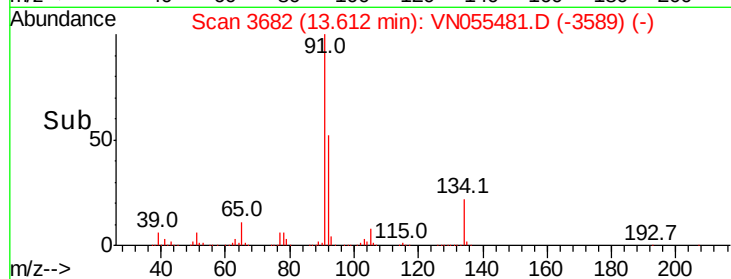
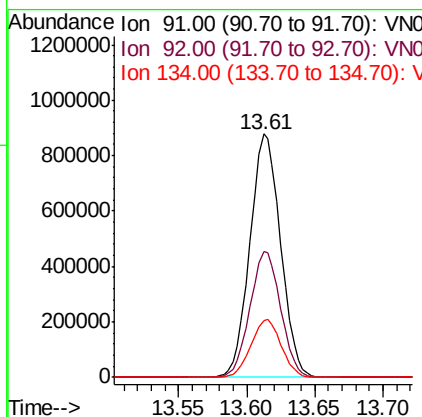
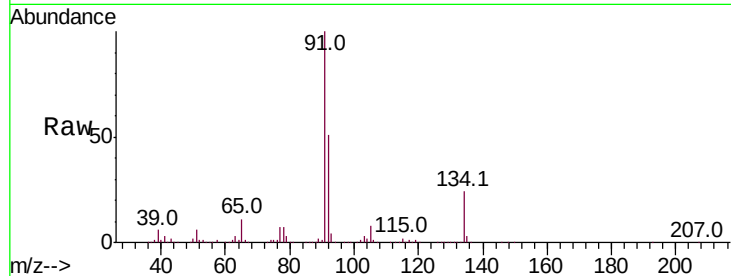
#89
n-Butylbenzene
Concen: 58.513 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	23.6	11.8	35.4

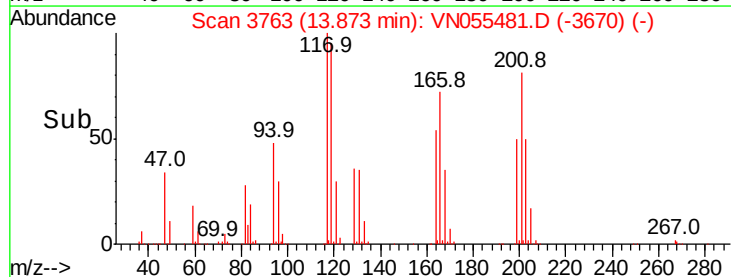
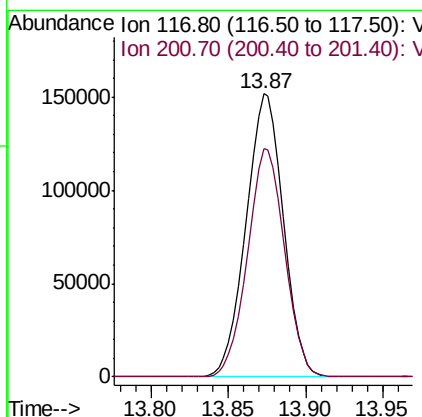
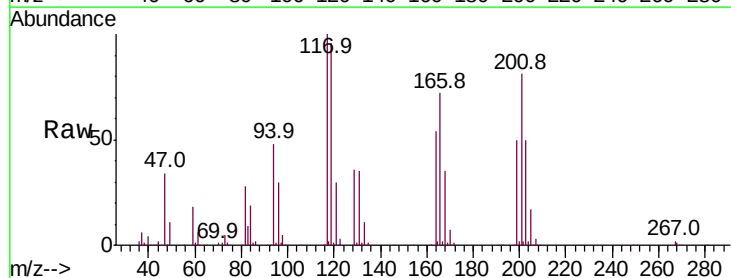
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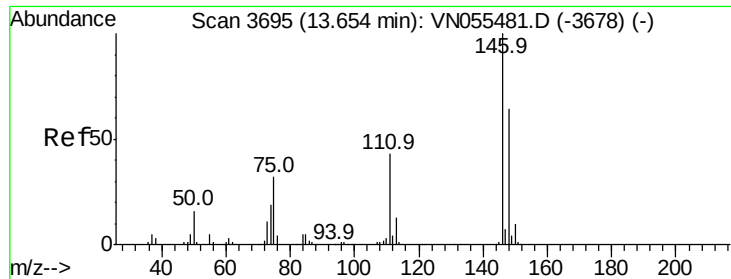
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#90
Hexachloroethane
Concen: 42.318 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.1	120.2





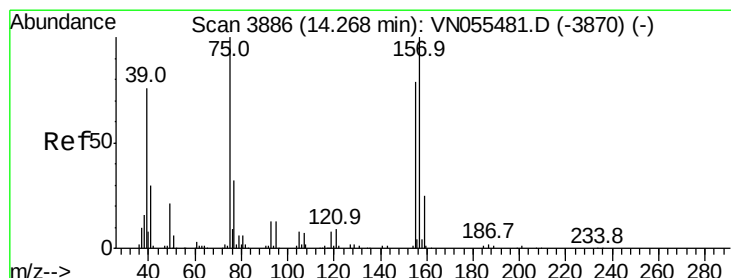
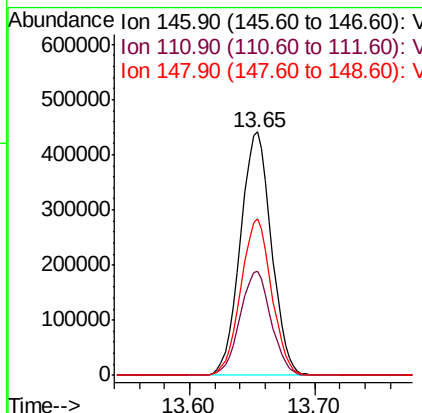
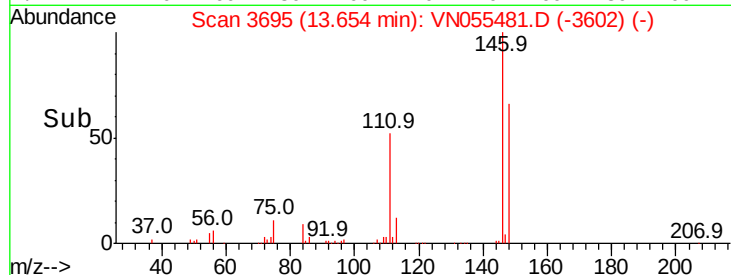
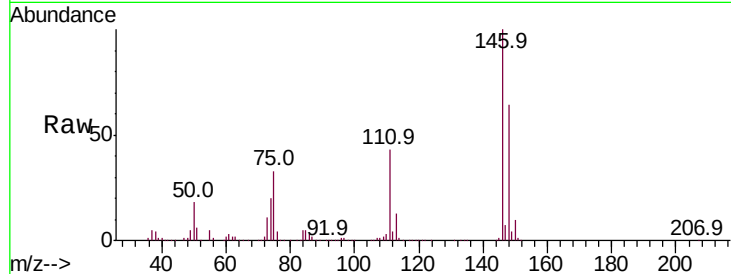
#91
 1,2-Dichlorobenzene
 Concen: 49.650 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.9	31.9	95.9

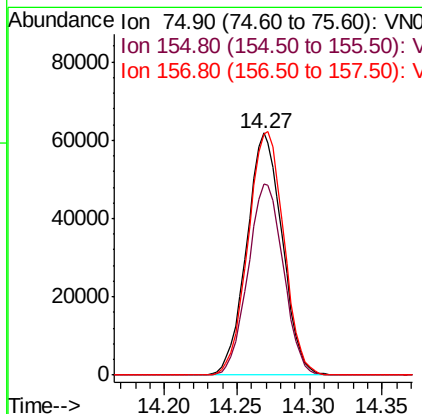
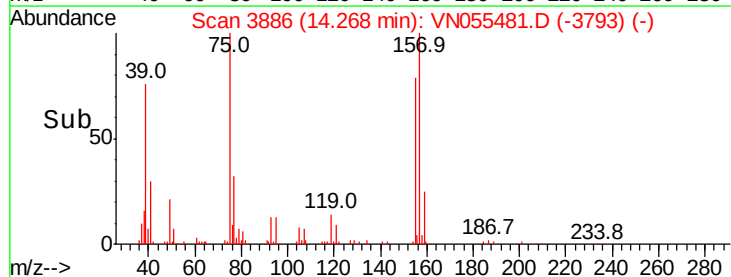
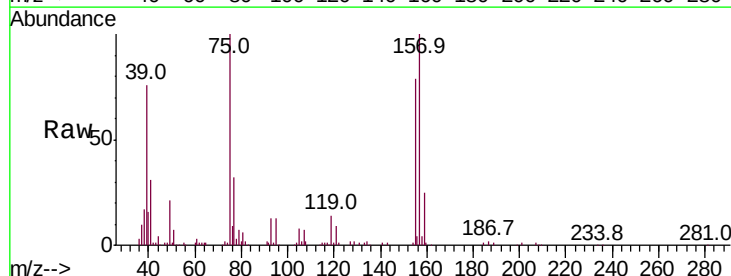
Manual Integrations
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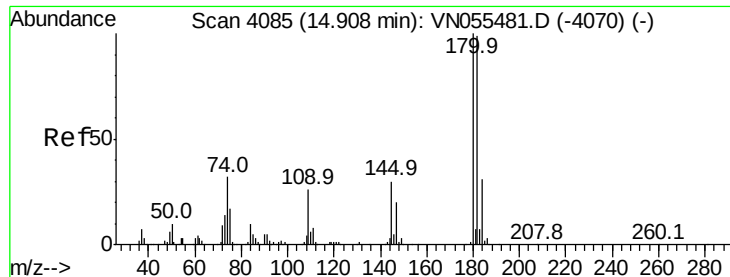
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.719 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	39.3	117.8
157	101.2	50.6	151.8





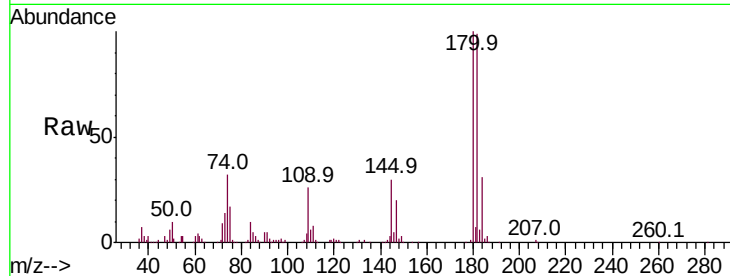
#93
 1,2,4-Trichlorobenzene
 Concen: 64.552 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	48.7	146.1	
145	30.6	15.3	45.9	

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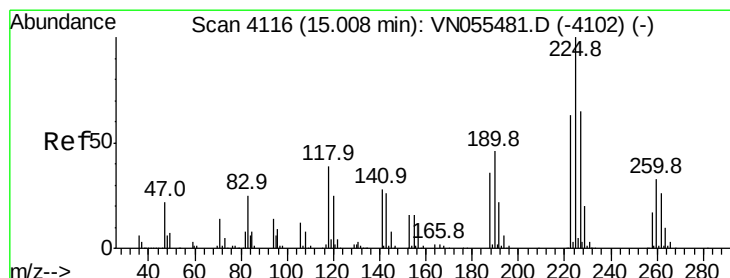
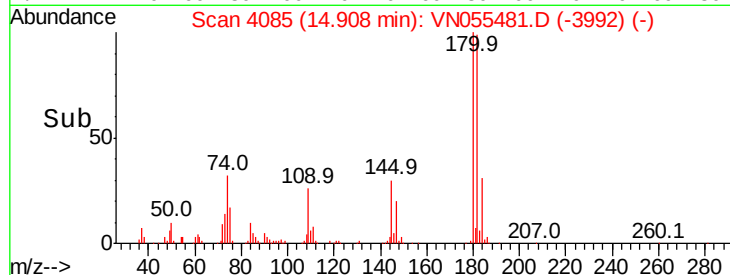
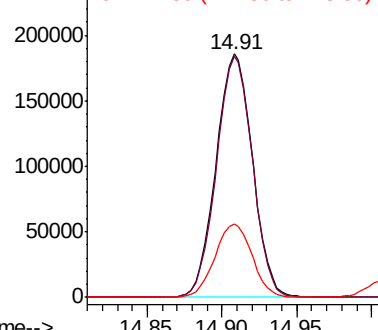


Abundance

Ion 179.80 (179.50 to 180.50): V

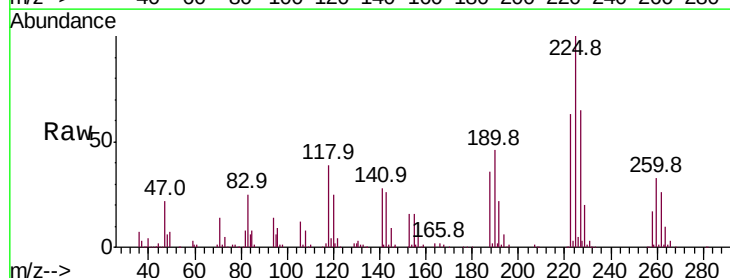
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 42.298 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.4	94.3	
227	64.0	32.0	96.0	

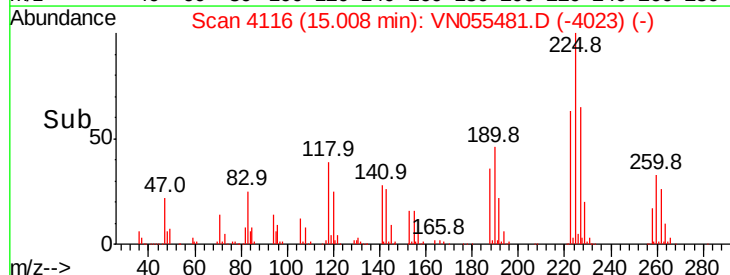
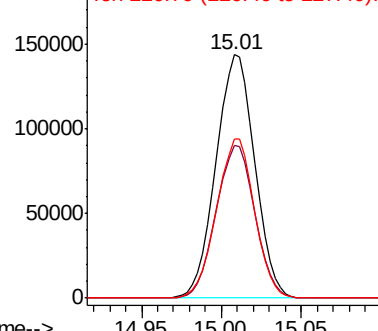


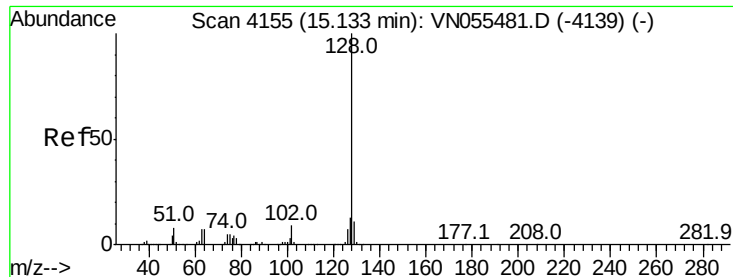
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 79.530 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

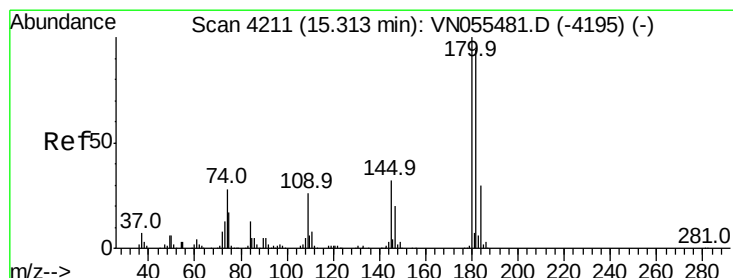
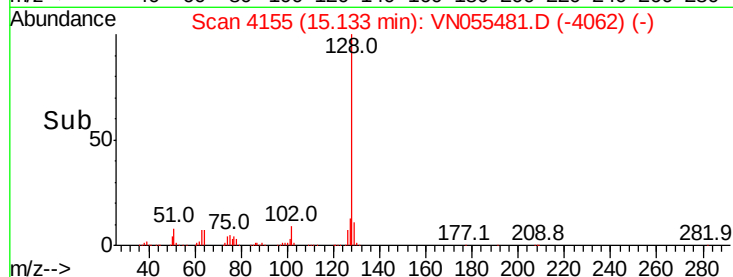
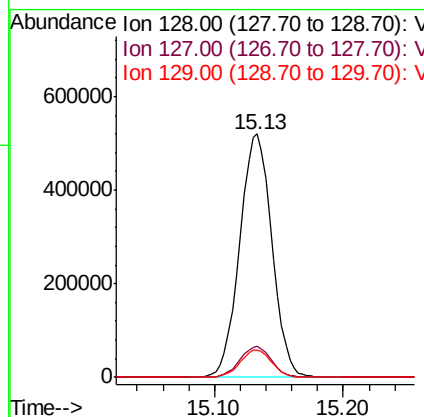
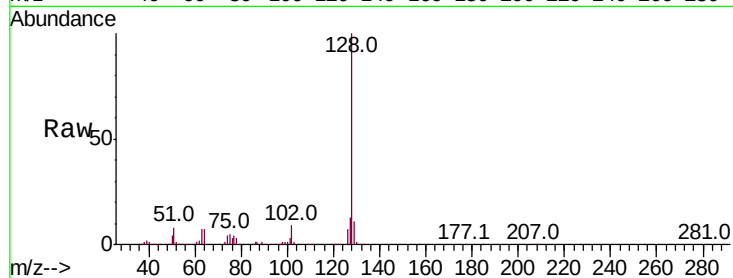
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	902293
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.0	15.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/9/2019 6:32:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 69.035 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion:	180	Resp:	353663
Ion Ratio		Lower	Upper
180	100		
182	94.2	47.1	141.3
145	31.6	15.8	47.4

