

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112718\
 Data File : VN052467.D
 Acq On : 27 Nov 2018 9:12
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:19 AM

Quant Time: Nov 28 00:53:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 00:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1037315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1622416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1373748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	526959	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	10100	1.040 ug/l	93
3) Chloromethane	2.06	50	13103	1.022 ug/l	99
4) Vinyl Chloride	2.19	62	13618	1.034 ug/l	98
5) Bromomethane	2.58	94	9650	1.174 ug/l	93
6) Chloroethane	2.71	64	8453	1.060 ug/l #	82
7) Trichlorofluoromethane	3.03	101	16219	1.003 ug/l	100
8) Diethyl Ether	3.42	74	5429	0.909 ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	10145	1.005 ug/l #	76
12) 1,1-Dichloroethene	3.74	96	9458	0.973 ug/l	87
14) Allyl chloride	4.32	41	15205	0.908 ug/l	92
15) Acrylonitrile	5.00	53	15125	4.226 ug/l	89
16) Acetone	3.82	43	16497	5.538 ug/l	96
17) Carbon Disulfide	4.06	76	32443	1.061 ug/l	97
18) Methyl Acetate	4.33	43	7986	0.935 ug/l	100
19) Methyl tert-butyl Ether	5.04	73	23490	0.909 ug/l	94
20) Methylene Chloride	4.55	84	13706m	1.176 ug/l	
21) trans-1,2-Dichloroethene	5.04	96	9868	0.951 ug/l	92
22) Diisopropyl ether	5.96	45	33250	0.945 ug/l	96
23) Vinyl Acetate	5.90	43	92228	4.209 ug/l	100
24) 1,1-Dichloroethane	5.85	63	19331	0.962 ug/l	97
25) 2-Butanone	6.84	43	18879	4.471 ug/l	94
26) 2,2-Dichloropropane	6.83	77	13630	0.980 ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	12619	1.044 ug/l	90
28) Bromochloromethane	7.20	49	8733m	0.952 ug/l	
29) Tetrahydrofuran	7.22	42	12287	4.512 ug/l #	83
30) Chloroform	7.37	83	22431	1.119 ug/l	98
31) Cyclohexane	7.66	56	35434	1.577 ug/l #	28
32) 1,1,1-Trichloroethane	7.57	97	15479	0.975 ug/l #	52
36) 1,1-Dichloropropene	7.80	75	15498	1.012 ug/l	96
37) Ethyl Acetate	6.93	43	9215	0.986 ug/l #	90
38) Carbon Tetrachloride	7.78	117	13626	0.982 ug/l	91
39) Methylcyclohexane	9.08	83	18283	0.982 ug/l	95
40) Benzene	8.04	78	44611	0.977 ug/l	94
41) Methacrylonitrile	7.18	41	4578	0.896 ug/l #	91

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	13794	0.998	ug/l	99
43) Isopropyl Acetate	8.17	43	14304	0.904	ug/l #	84
44) Trichloroethene	8.84	130	11767	1.006	ug/l	89
45) 1,2-Dichloropropane	9.12	63	11747	0.968	ug/l	95
46) Dibromomethane	9.21	93	6208	0.924	ug/l	98
47) Bromodichloromethane	9.40	83	14352	0.982	ug/l	99
48) Methyl methacrylate	9.20	41	7808	0.946	ug/l	93
49) 1,4-Dioxane	9.20	88	1548	18.078	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	37366	4.209	ug/l	96
52) Toluene	10.16	92	25139	0.927	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	11732	0.835	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	14646	0.870	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	8668	0.908	ug/l	95
56) Ethyl methacrylate	10.43	69	8824	0.751	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	15802	0.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	27017	3.902	ug/l	99
59) 2-Hexanone	10.75	43	23799	3.994	ug/l	99
60) Dibromochloromethane	10.90	129	9305	0.898	ug/l	98
61) 1,2-Dibromoethane	11.01	107	8670	0.915	ug/l	93
64) Tetrachloroethene	10.63	164	11695	1.098	ug/l	94
65) Chlorobenzene	11.44	112	27775	0.981	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	9633	0.978	ug/l #	63
67) Ethyl Benzene	11.51	91	46760	0.943	ug/l	98
68) m/p-Xylenes	11.62	106	34422	1.864	ug/l	99
69) o-Xylene	11.95	106	16591	0.925	ug/l	98
70) Styrene	11.97	104	24128	0.845	ug/l	98
71) Bromoform	12.13	173	5532	0.848	ug/l #	99
73) Isopropylbenzene	12.25	105	43386	1.049	ug/l	99
74) N-amyI acetate	12.07	43	9089	0.870	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	9653	1.026	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	8850m	1.132	ug/l	
77) Bromobenzene	12.53	156	10761	1.053	ug/l	98
78) n-propylbenzene	12.59	91	45812	0.975	ug/l	100
79) 2-Chlorotoluene	12.68	91	29163	1.043	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	32383	0.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	1960	0.805	ug/l #	73
82) 4-Chlorotoluene	12.78	91	28609	1.015	ug/l	96
83) tert-Butylbenzene	12.99	119	30433	1.035	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	31019	0.939	ug/l	99
85) sec-Butylbenzene	13.17	105	39620	0.990	ug/l	97
86) p-Isopropyltoluene	13.29	119	33199	0.974	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	18148	1.015	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	18285m	1.038	ug/l	
89) n-Butylbenzene	13.62	91	24149	0.852	ug/l	98
90) Hexachloroethane	13.88	117	5743	0.995	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	17677	1.035	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1278	0.950	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	5999	0.743	ug/l	93
94) Hexachlorobutadiene	15.01	225	6045	1.100	ug/l	97
95) Naphthalene	15.14	128	11790	0.707	ug/l #	97

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MSVOA_N
ClientSampleId :
VSTDICC001

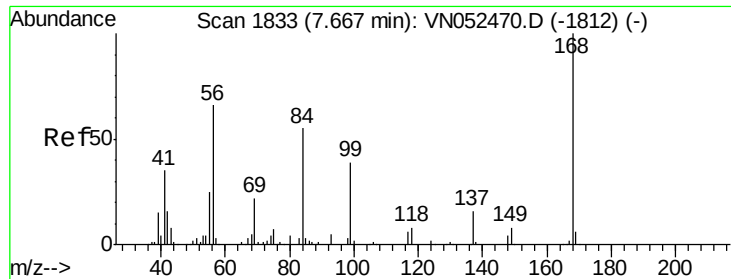
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Nov 28 00:40:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	5880	0.780	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:168 Resp: 1037315

Ion Ratio Lower Upper

168 100

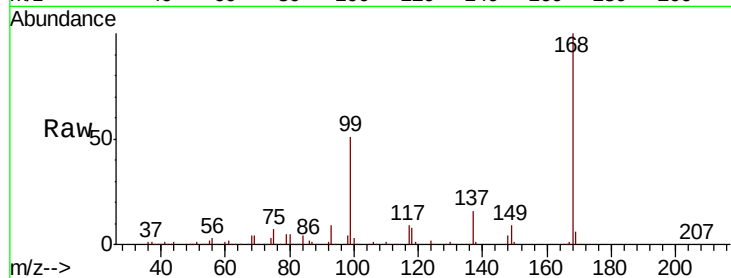
99 51.2 41.7 62.5

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11/28/2018 9:33:19 AM



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

400000

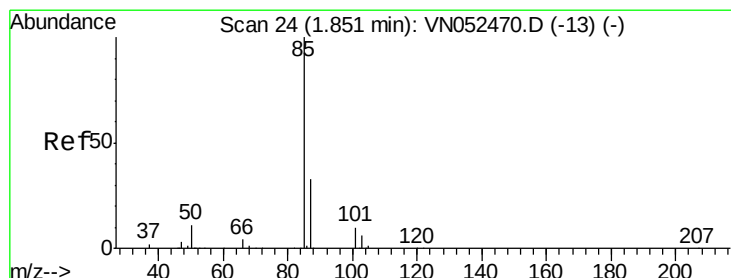
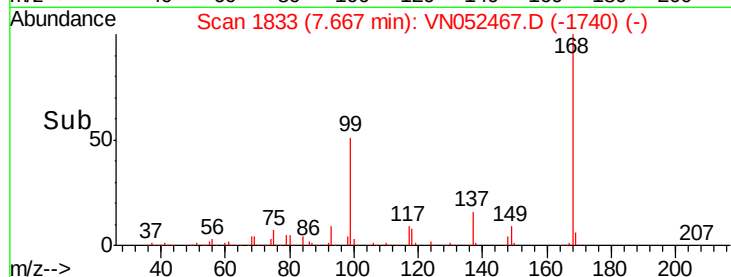
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.040 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052467.D

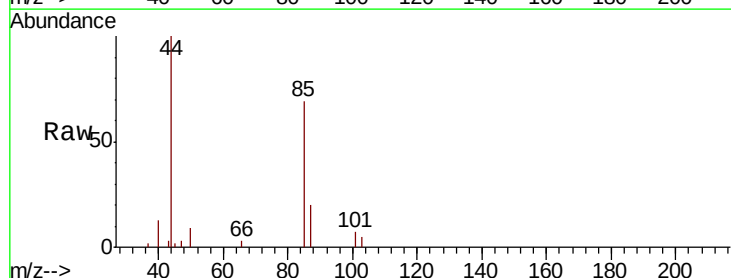
Acq: 27 Nov 2018 9:12

Tgt Ion: 85 Resp: 10100

Ion Ratio Lower Upper

85 100

87 29.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN052470.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052470.D (-13) (-)

1.85

8000

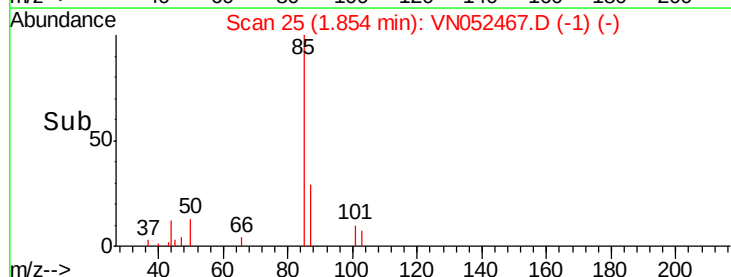
6000

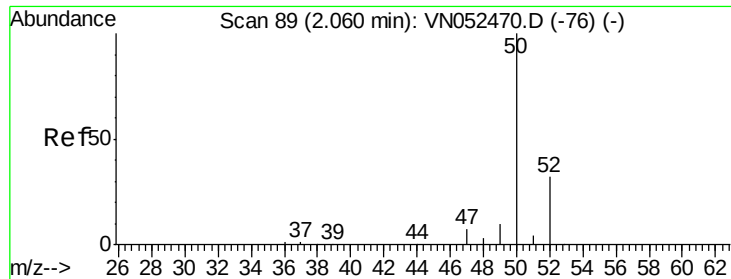
4000

2000

0

Time-->





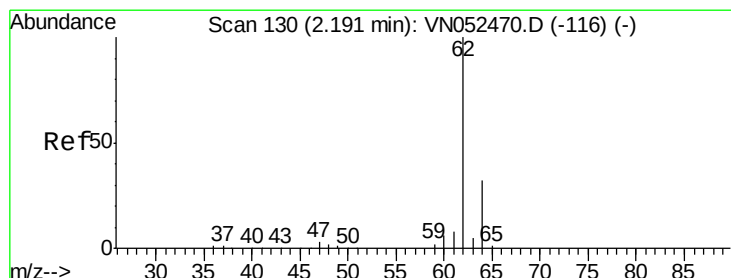
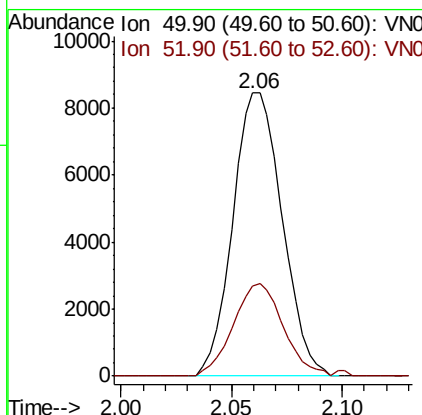
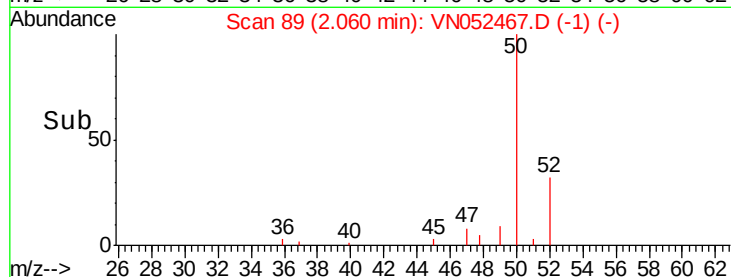
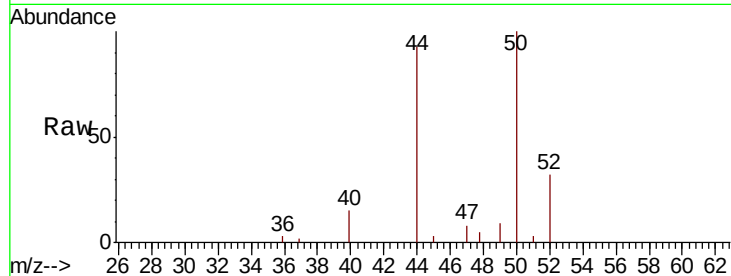
#3
 Chloromethane
 Concen: 1.022 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.9	38.9

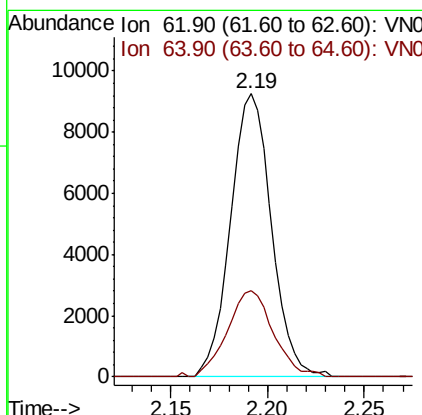
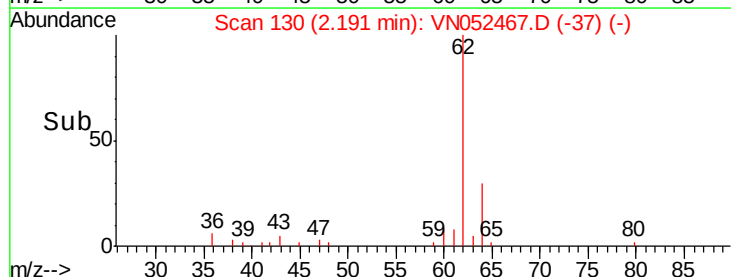
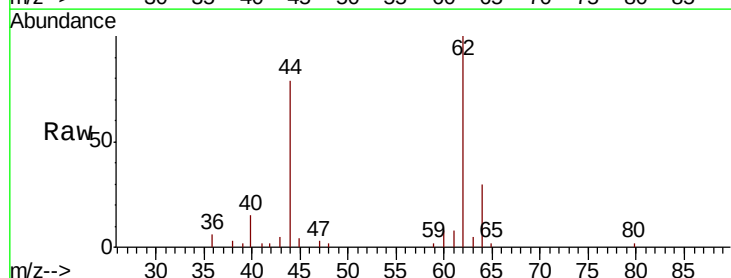
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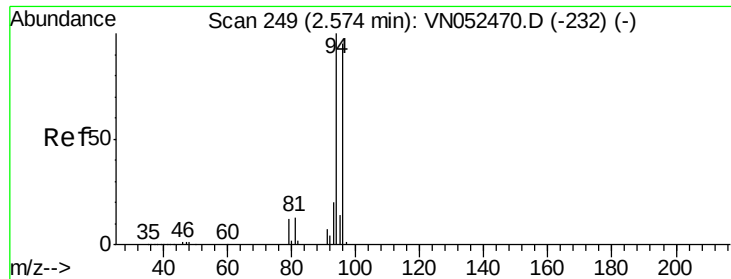
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#4
 Vinyl Chloride
 Concen: 1.034 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.4	38.2





#5

Bromomethane

Concen: 1.174 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 9650

Ion Ratio Lower Upper

94 100

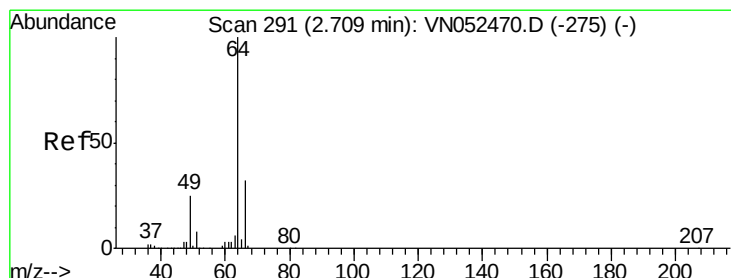
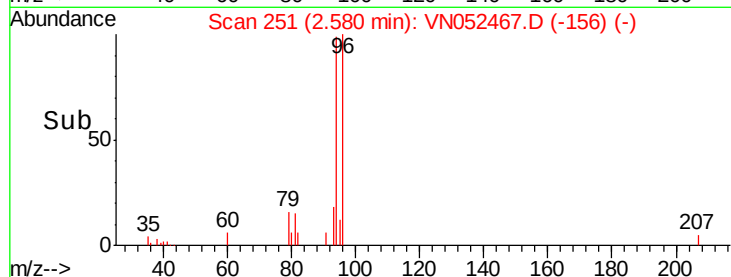
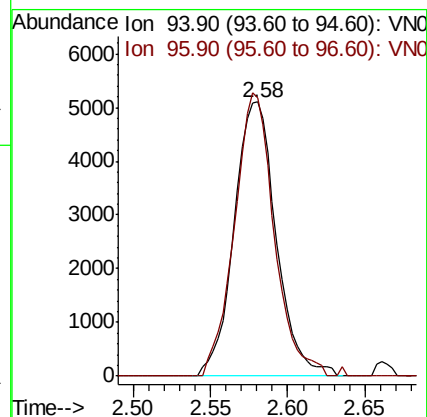
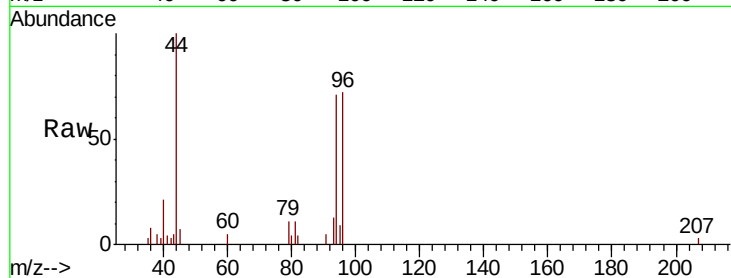
96 101.4 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 1.060 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052467.D

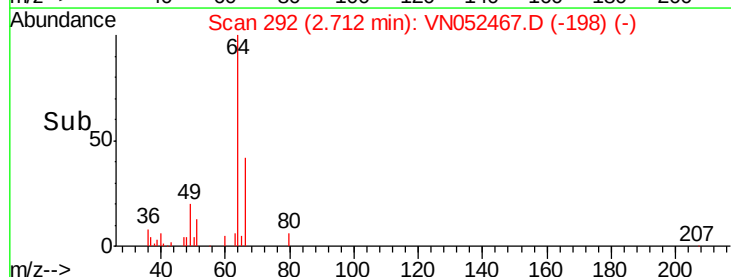
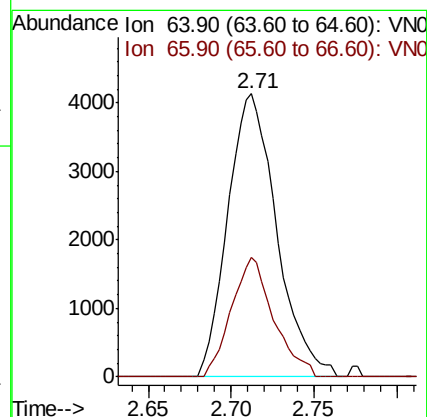
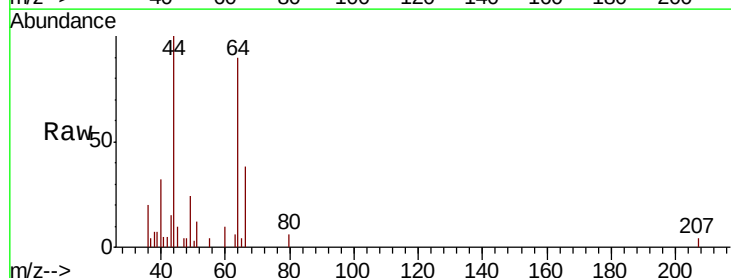
Acq: 27 Nov 2018 9:12

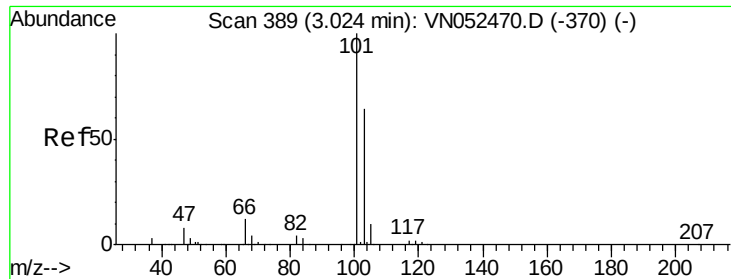
Tgt Ion: 64 Resp: 8453

Ion Ratio Lower Upper

64 100

66 42.3 25.7 38.5#





#7

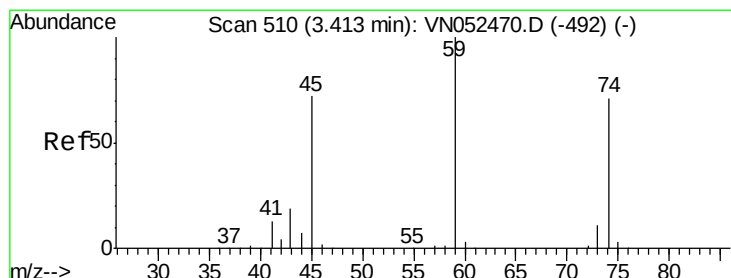
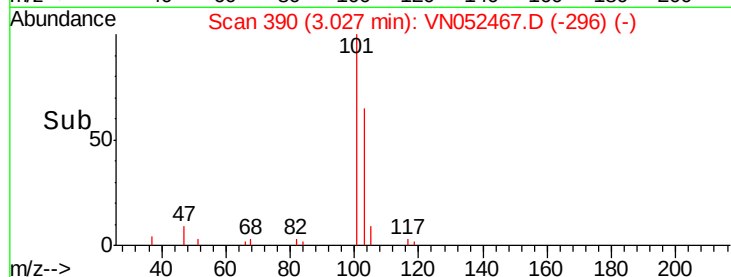
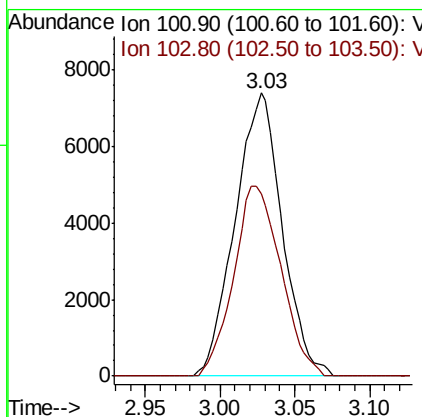
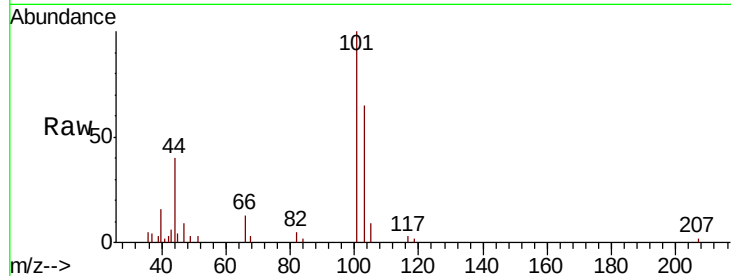
Trichlorofluoromethane
 Concen: 1.003 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
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 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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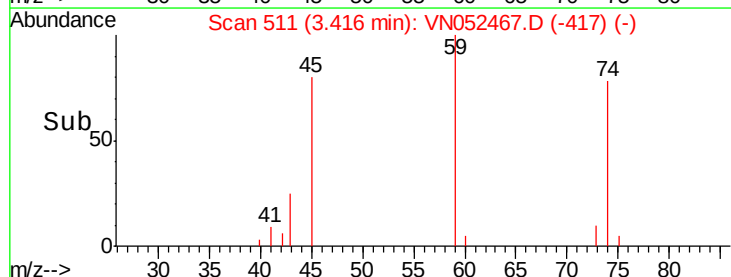
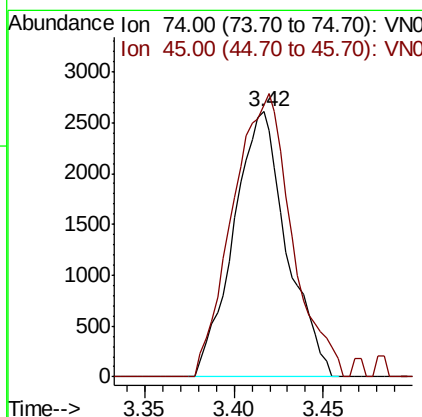
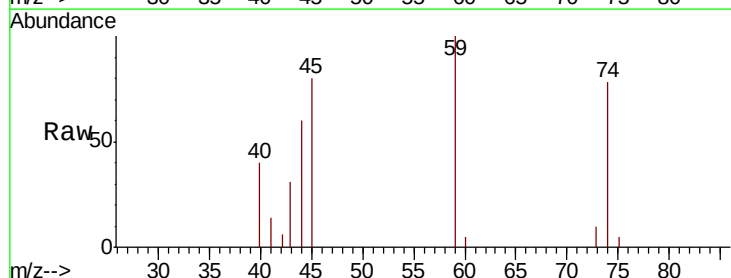
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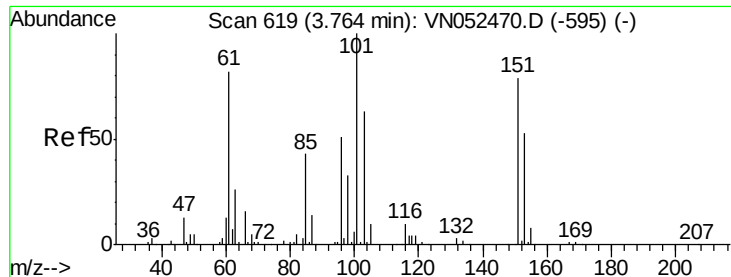


#8

Diethyl Ether
 Concen: 0.909 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.9	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.005 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

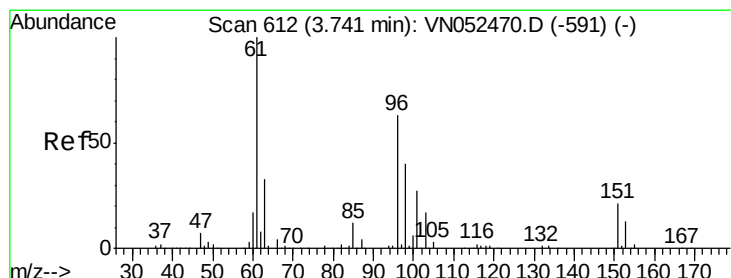
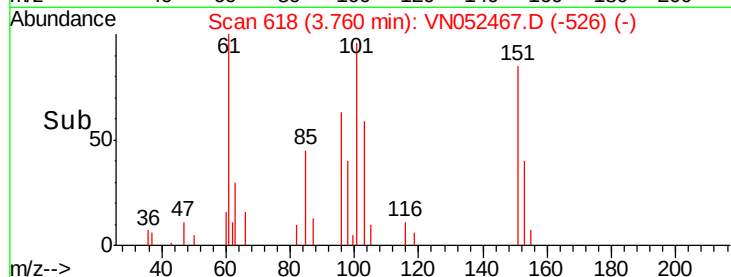
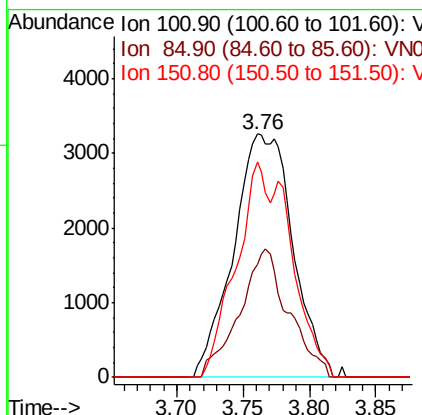
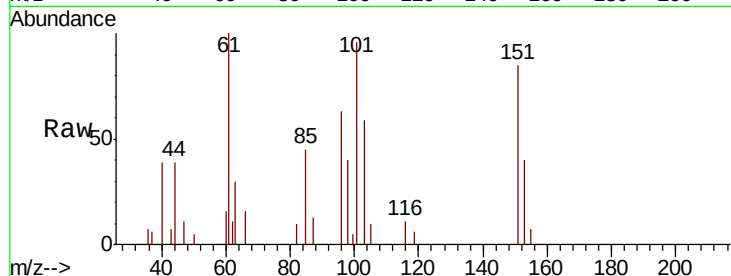
ClientSampleId :

VSTDIC001

Tgt Ion:	101	Resp:	10145
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.4
151	48.7	64.6	96.8#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.973 ug/l

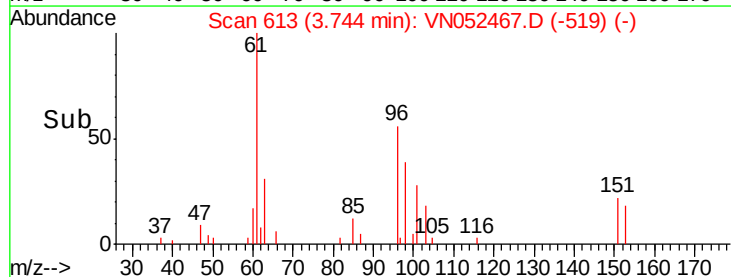
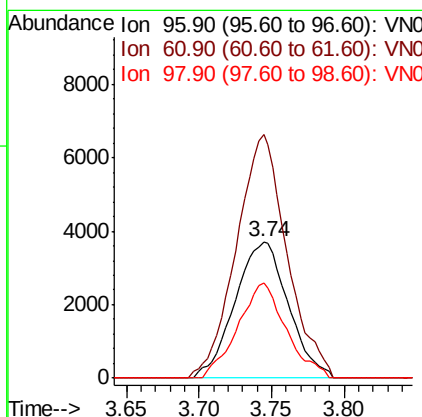
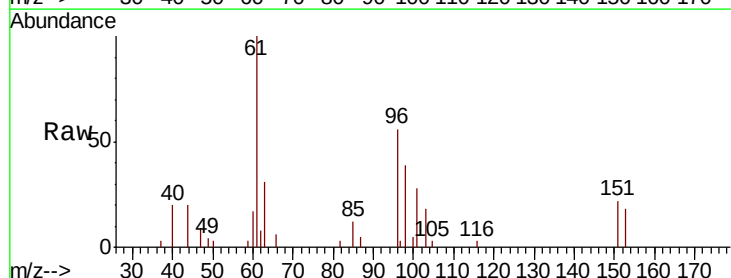
RT: 3.74 min Scan# 613

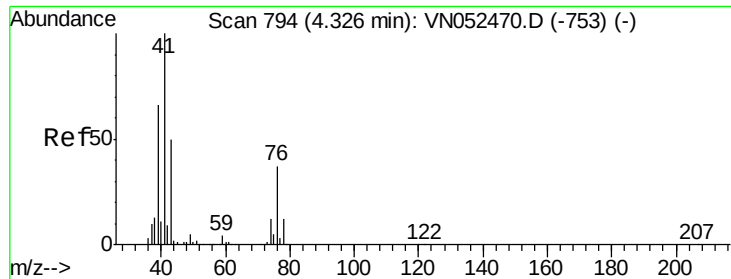
Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Tgt Ion:	96	Resp:	9458
Ion Ratio	Lower	Upper	
96	100		
61	178.2	127.0	190.6
98	69.7	50.3	75.5





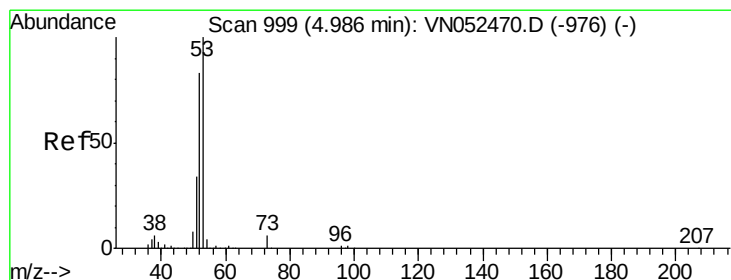
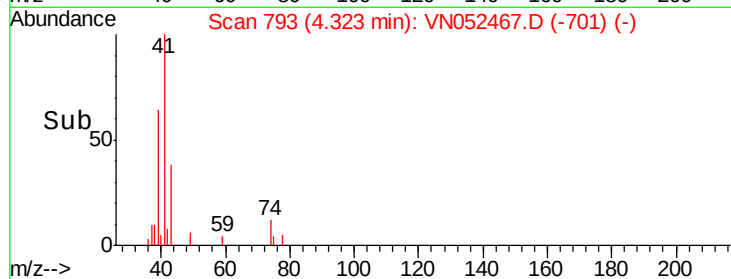
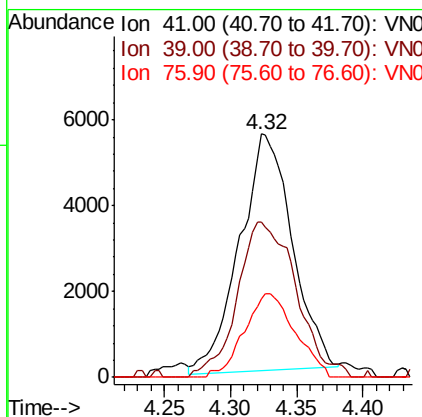
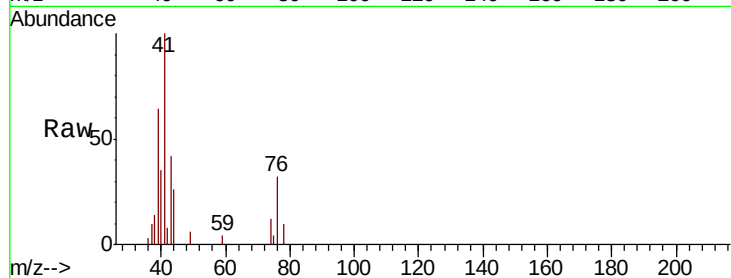
#14
 Allyl chloride
 Concen: 0.908 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.3	50.6	76.0
76	34.2	27.4	41.2

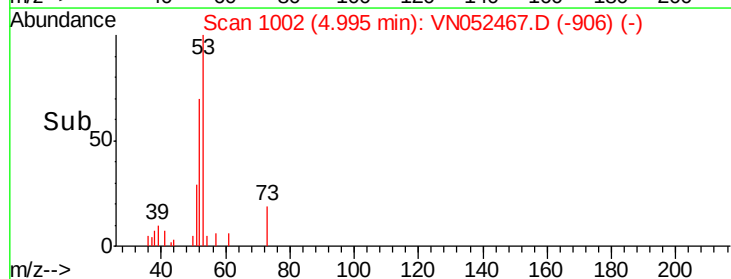
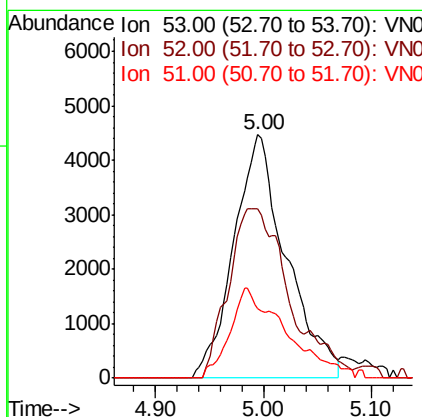
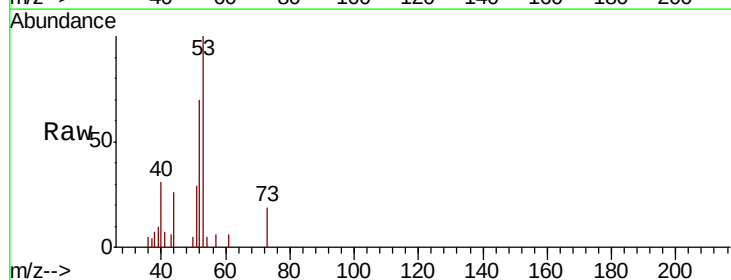
Manual Integrations
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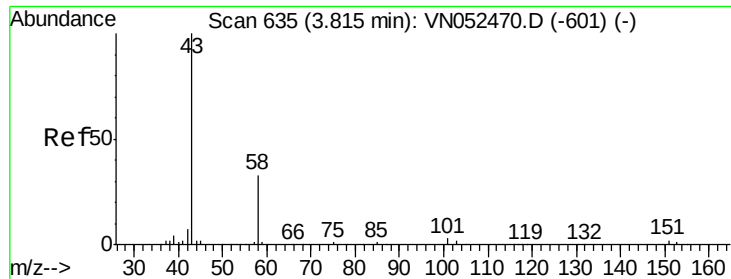
MMDadoda
 11/28/2018 9:33:19 AM



#15
 Acrylonitrile
 Concen: 4.226 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
53	100		
52	71.7	66.2	99.2
51	39.6	28.1	42.1





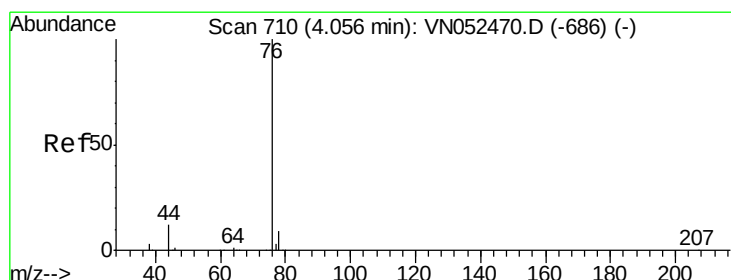
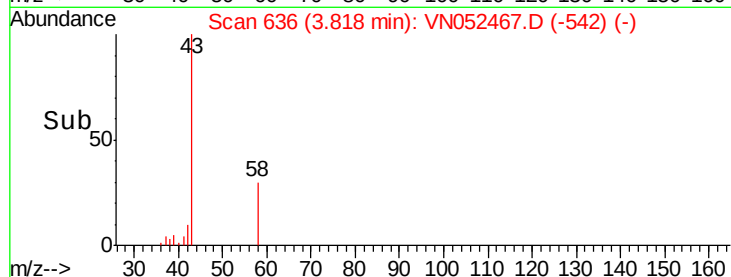
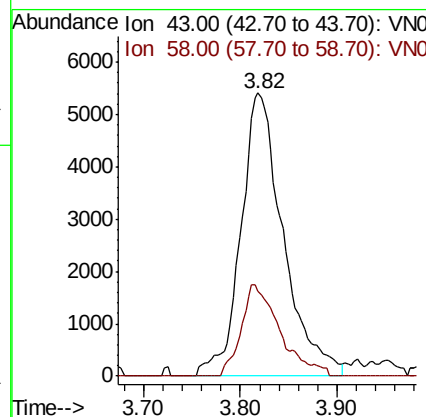
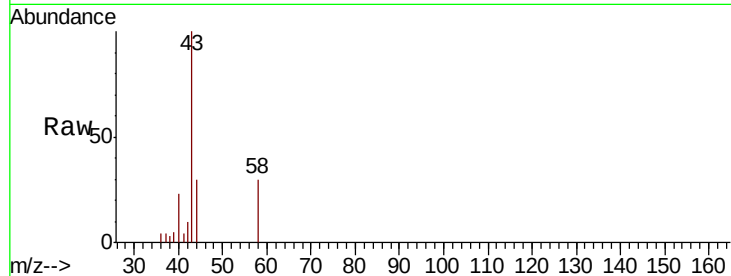
#16
Acetone
Concen: 5.538 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 16497
Ion Ratio Lower Upper
43 100
58 30.1 26.0 39.0

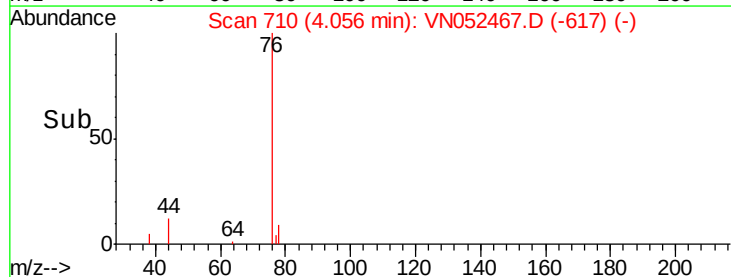
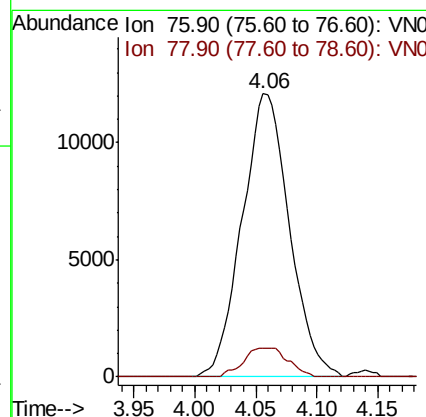
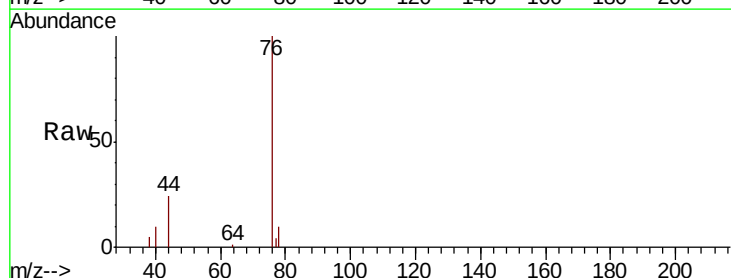
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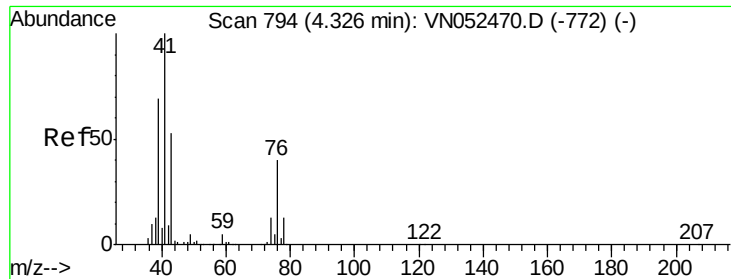
MMDadoda
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#17
Carbon Disulfide
Concen: 1.061 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 76 Resp: 32443
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0





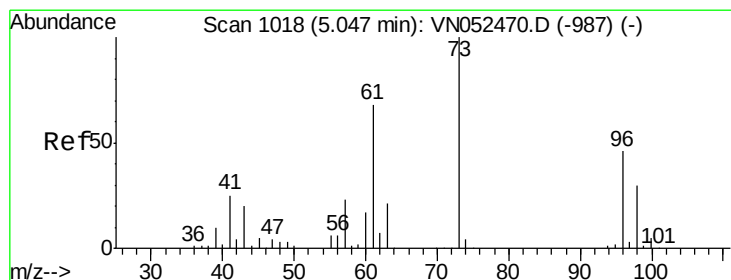
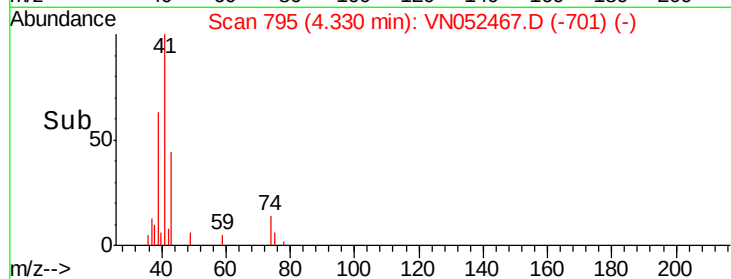
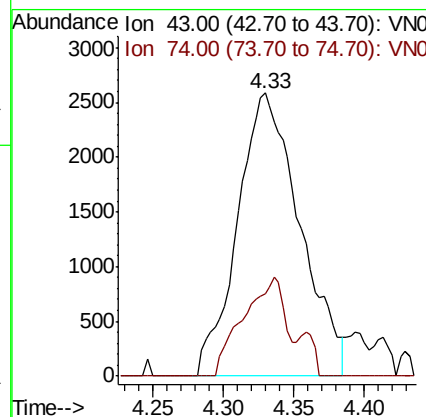
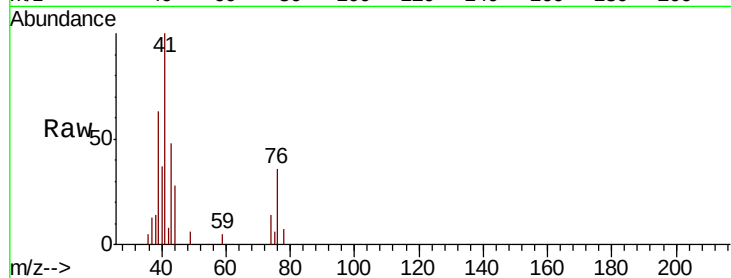
#18
Methyl Acetate
Concen: 0.935 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 7986
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8

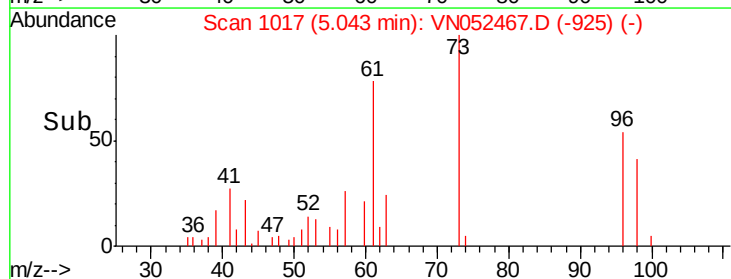
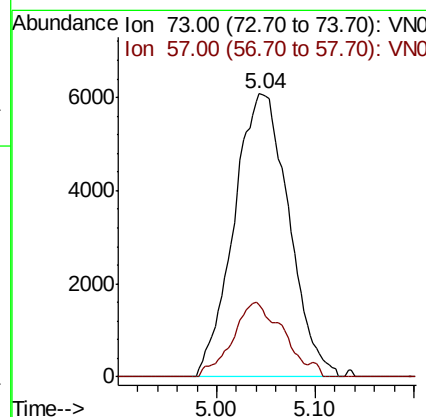
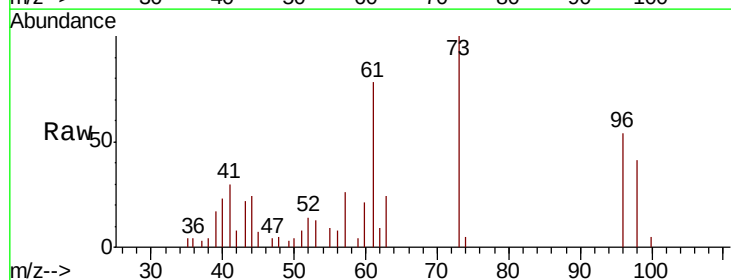
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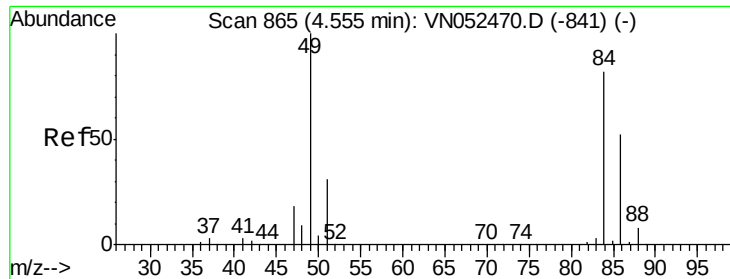
MMDadoda
11/28/2018 9:33:19 AM



#19
Methyl tert-butyl Ether
Concen: 0.909 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 73 Resp: 23490
Ion Ratio Lower Upper
73 100
57 25.5 18.2 27.2





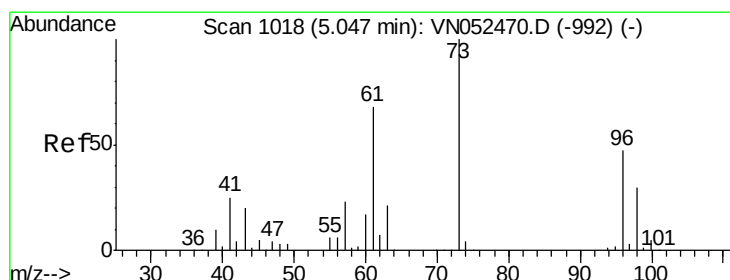
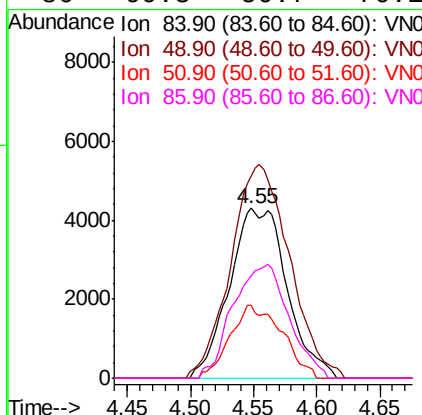
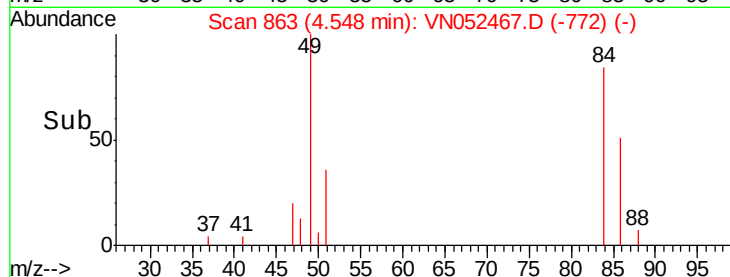
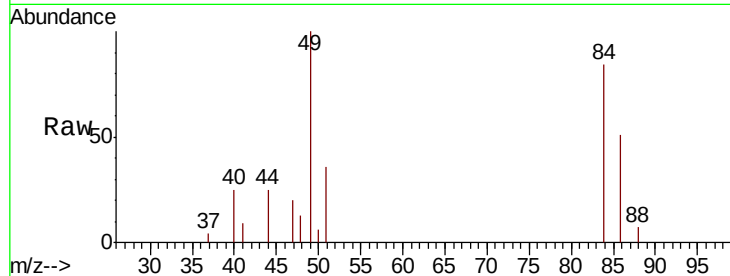
#20
Methylene Chloride
Concen: 1.176 ug/l m
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.7	98.0	147.0
51	42.6	30.1	45.1
86	60.3	50.7	76.1

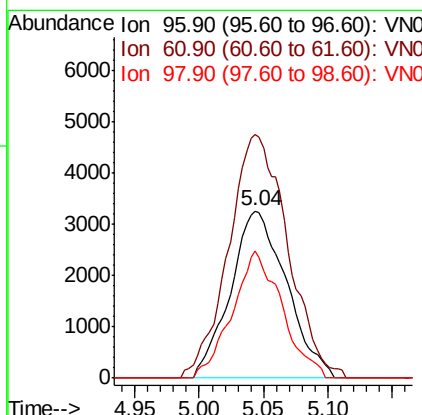
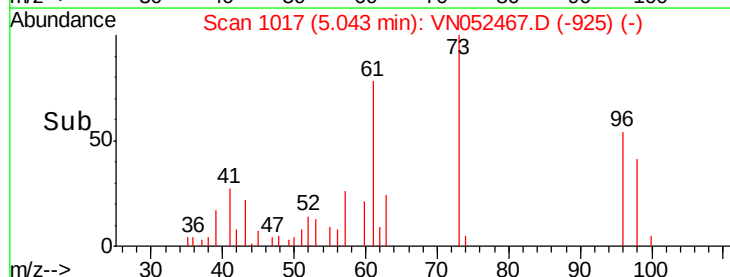
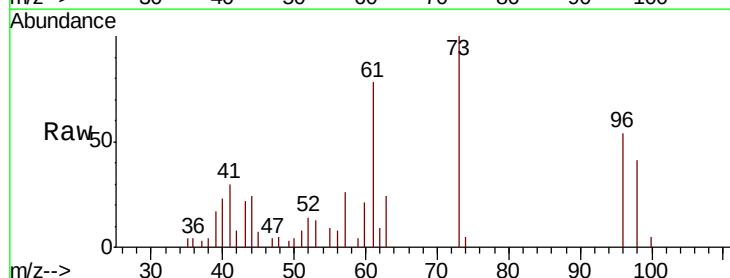
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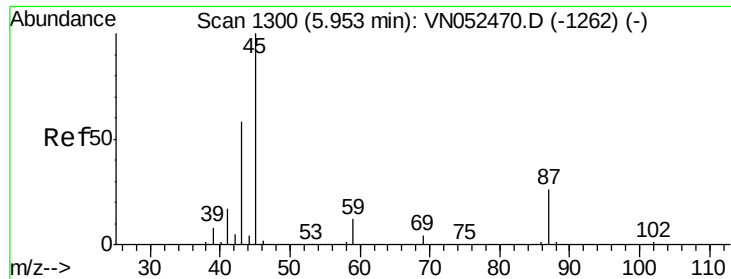
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 0.951 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	117.0	175.4
98	76.2	51.8	77.6





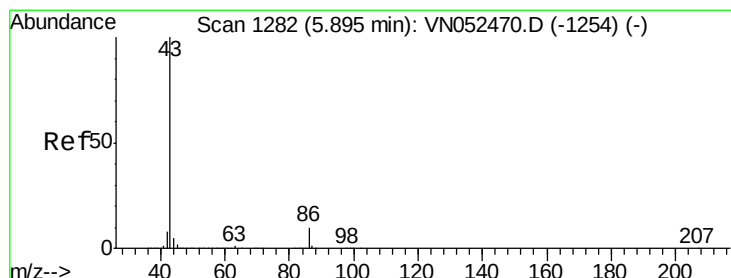
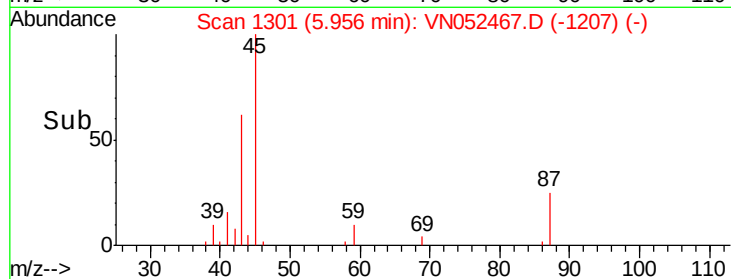
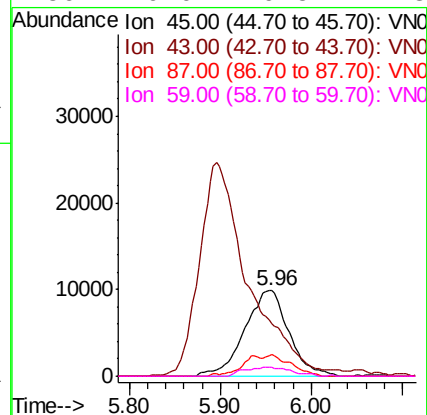
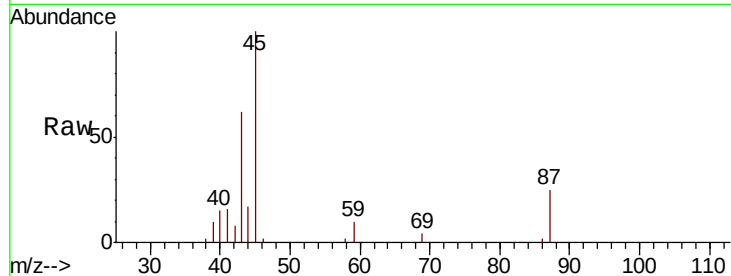
#22
Diisopropyl ether
Concen: 0.945 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	46.1	69.1
87	24.9	21.3	31.9
59	10.0	9.5	14.3

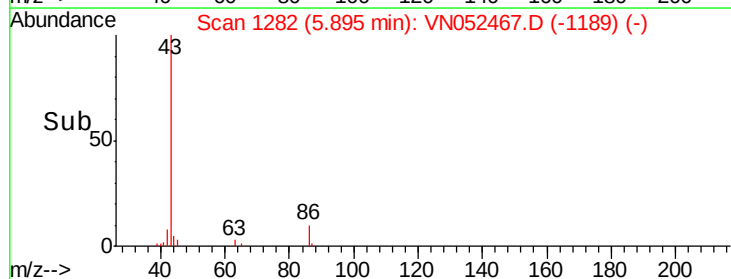
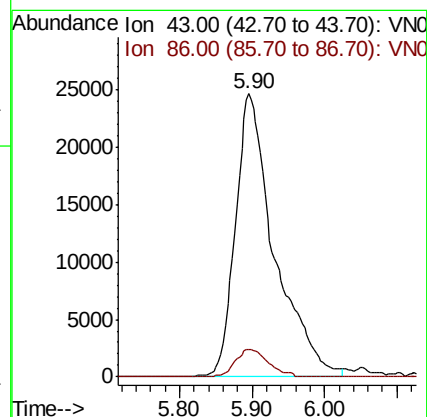
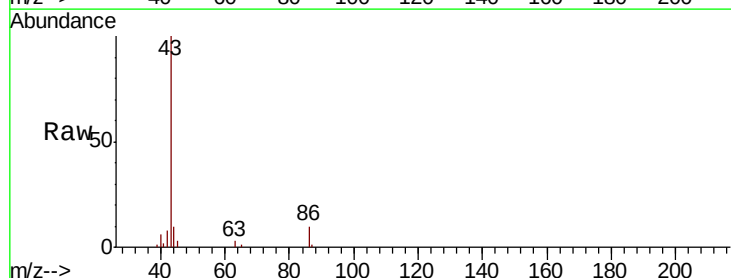
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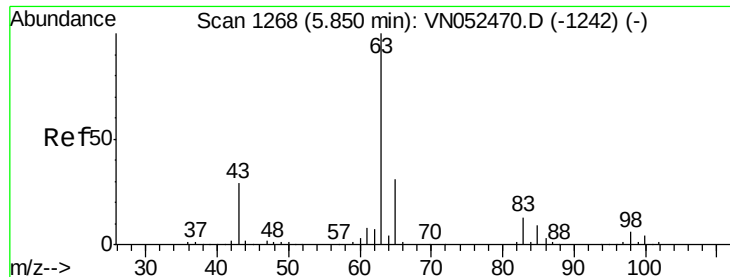
MMDadoda
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#23
Vinyl Acetate
Concen: 4.209 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8





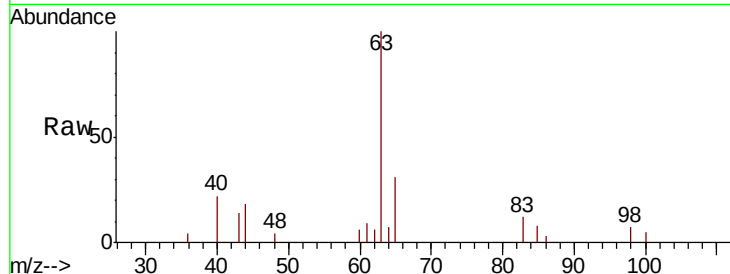
#24
 1,1-Dichloroethane
 Concen: 0.962 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

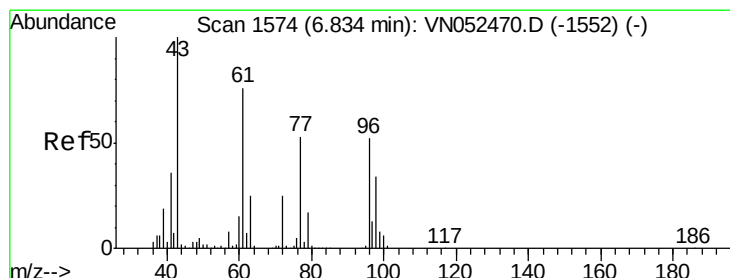
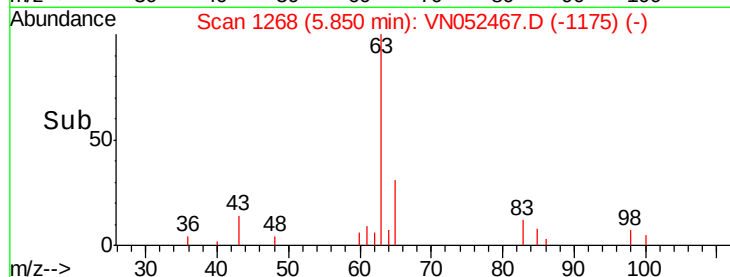
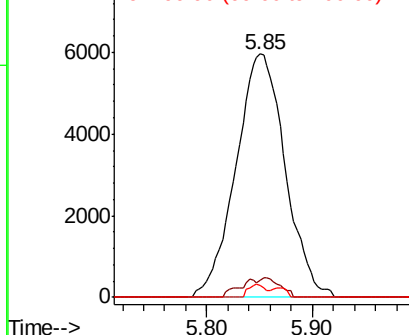
Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.2
100	5.1	2.0	5.8

Manual Integrations
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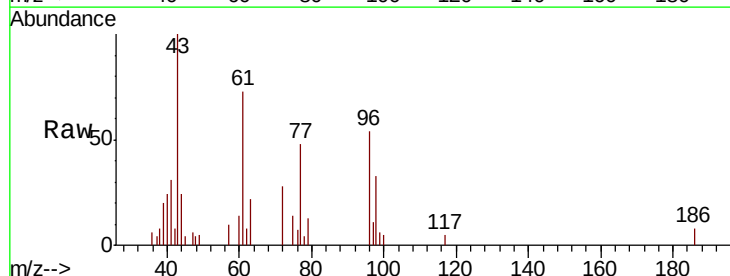


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

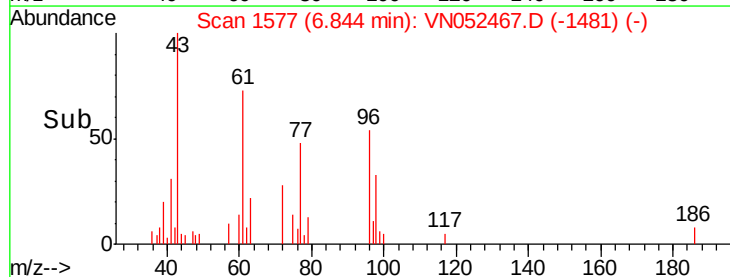
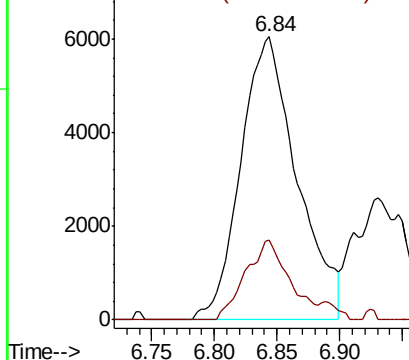


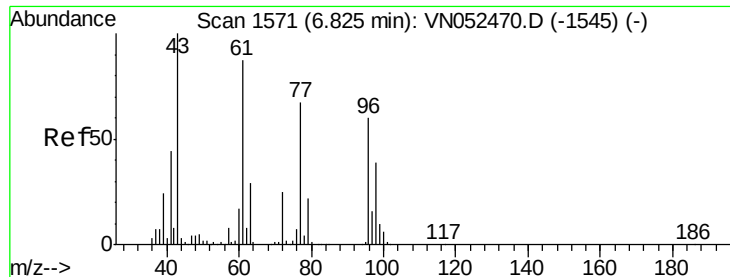
#25
 2-Butanone
 Concen: 4.471 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.1	30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





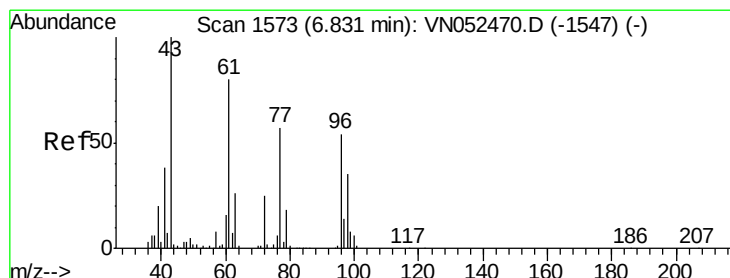
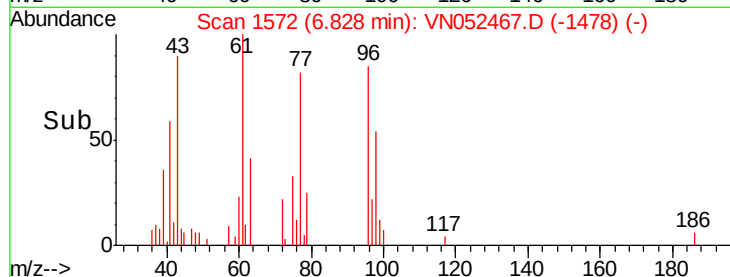
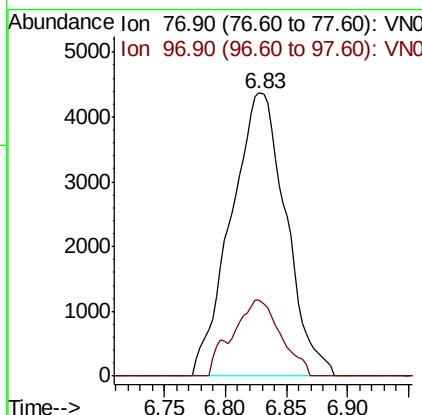
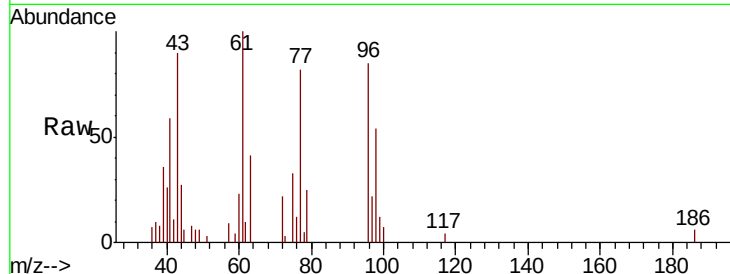
#26
 2,2-Dichloropropane
 Concen: 0.980 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 77 Resp: 13630
 Ion Ratio Lower Upper
 77 100
 97 23.8 11.8 35.3

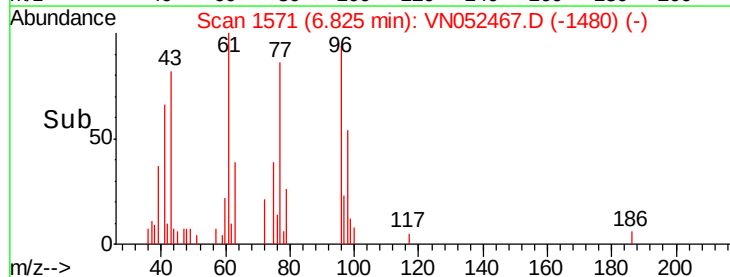
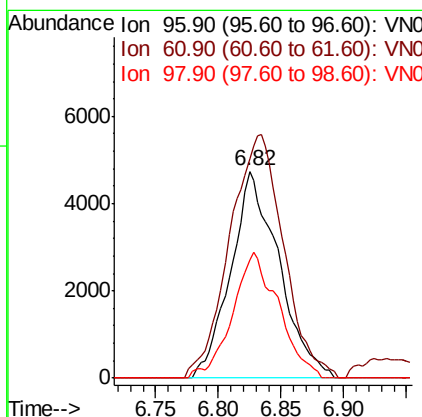
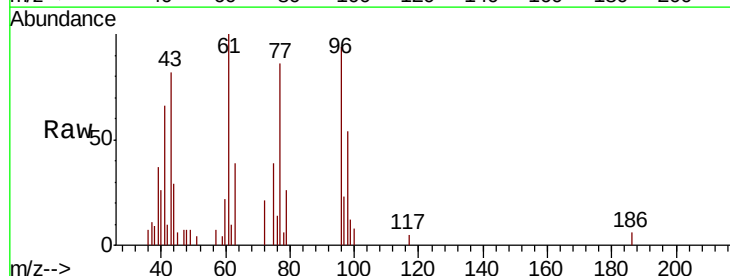
Manual Integrations
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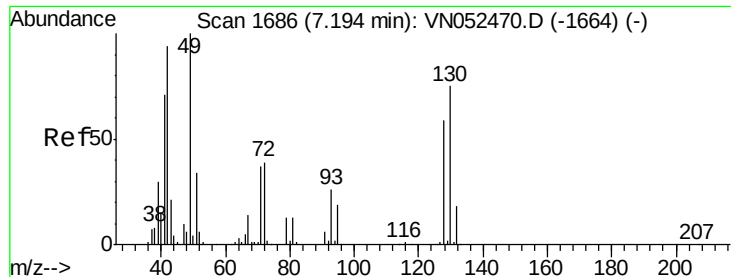
MMDadoda
 11/28/2018 9:33:19 AM



#27
 cis-1,2-Dichloroethene
 Concen: 1.044 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion: 96 Resp: 12619
 Ion Ratio Lower Upper
 96 100
 61 132.0 0.0 291.0
 98 58.3 0.0 130.0





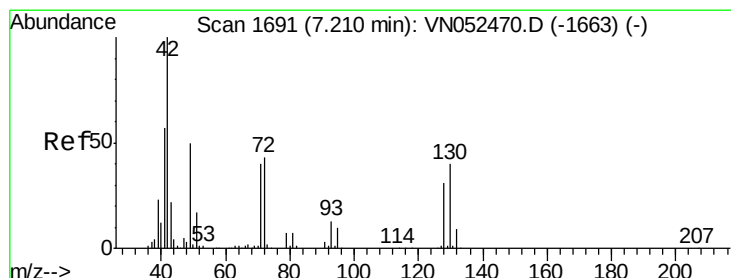
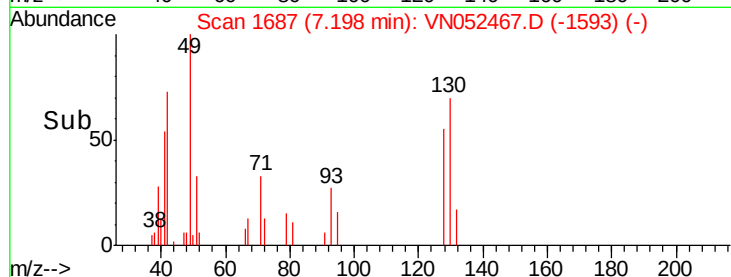
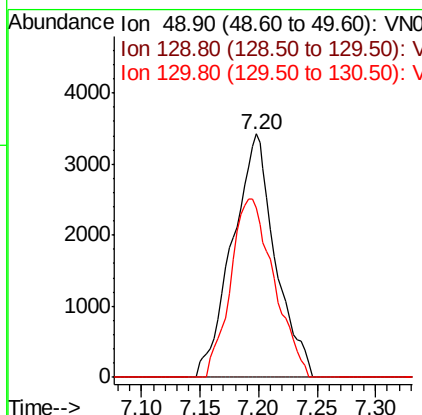
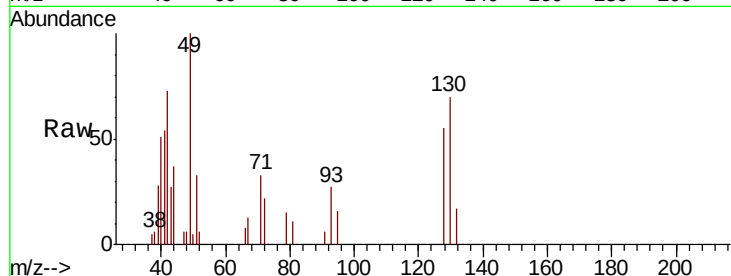
#28
Bromochloromethane
Concen: 0.952 ug/l m
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 8733
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 73.9 60.2 90.2

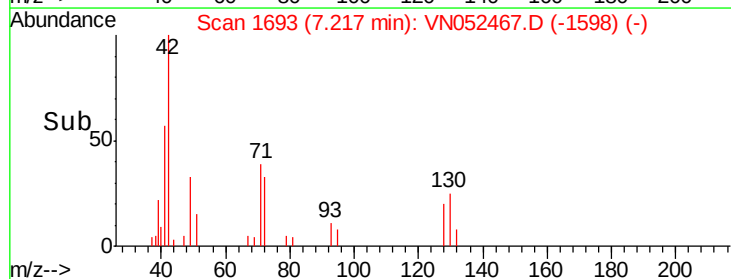
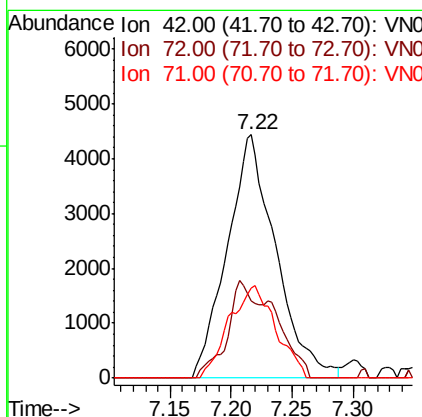
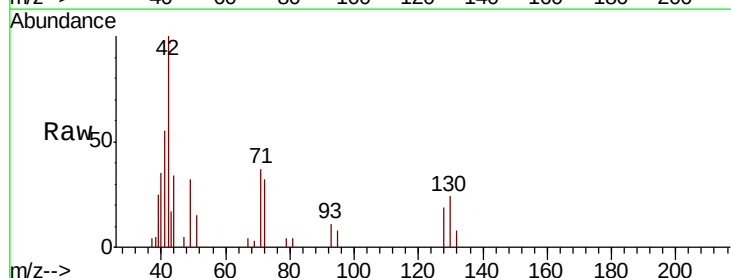
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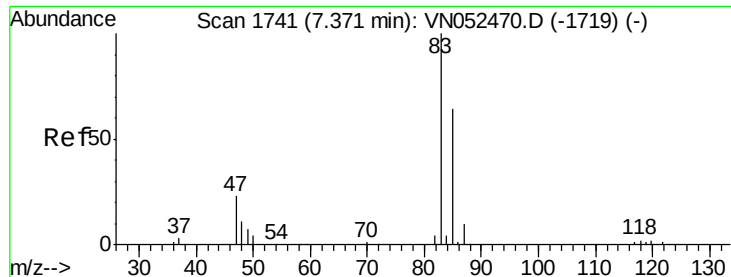
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#29
Tetrahydrofuran
Concen: 4.512 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 42 Resp: 12287
Ion Ratio Lower Upper
42 100
72 23.7 33.3 49.9#
71 36.3 32.0 48.0





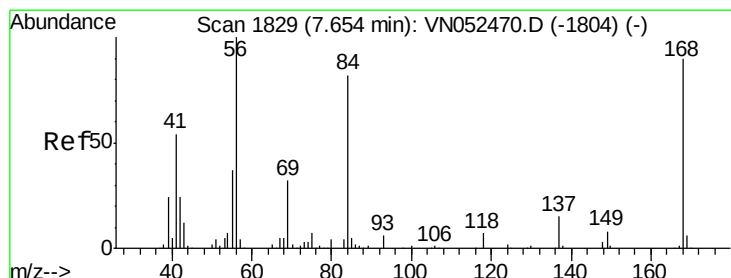
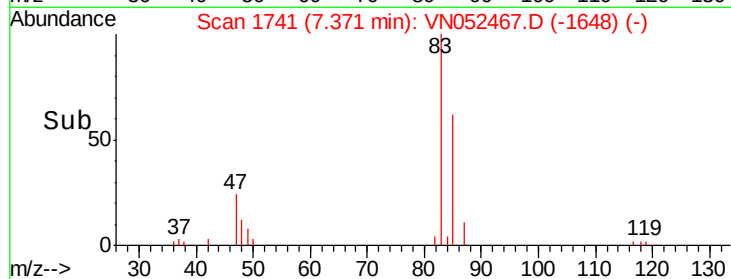
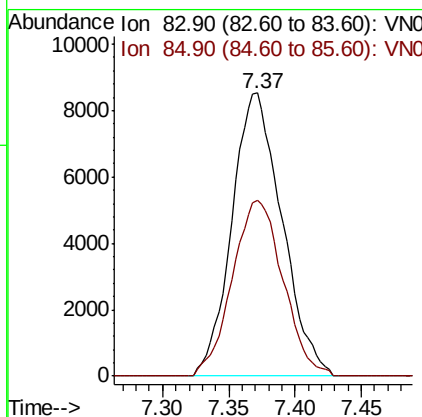
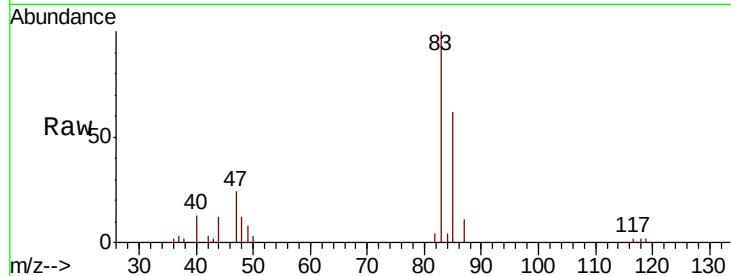
#30
Chloroform
Concen: 1.119 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 22431
Ion Ratio Lower Upper
83 100
85 62.3 51.0 76.4

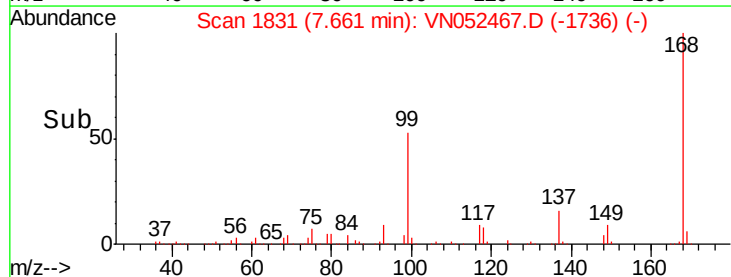
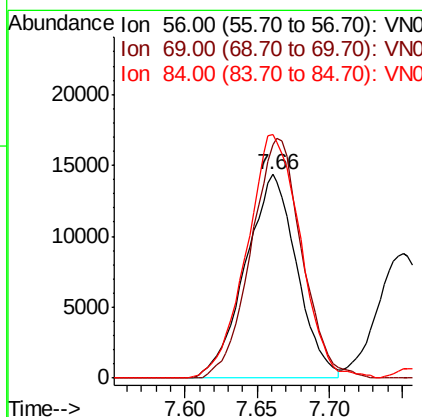
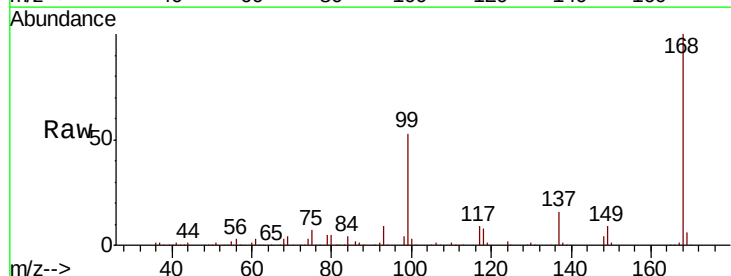
Manual Integrations
APPROVED

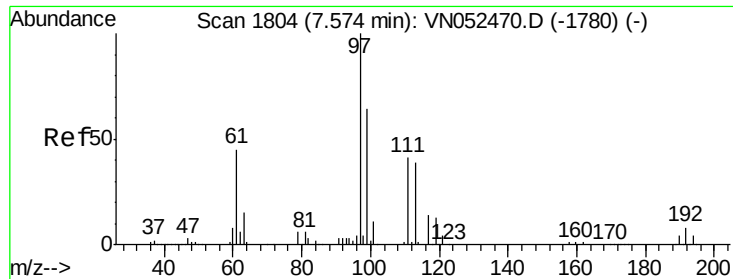
MMDadoda
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#31
Cyclohexane
Concen: 1.577 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 56 Resp: 35434
Ion Ratio Lower Upper
56 100
69 114.4 25.8 38.6#
84 119.6 65.3 97.9#





#32

1,1,1-Trichloroethane

Concen: 0.975 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 15479

Ion Ratio Lower Upper

97 100

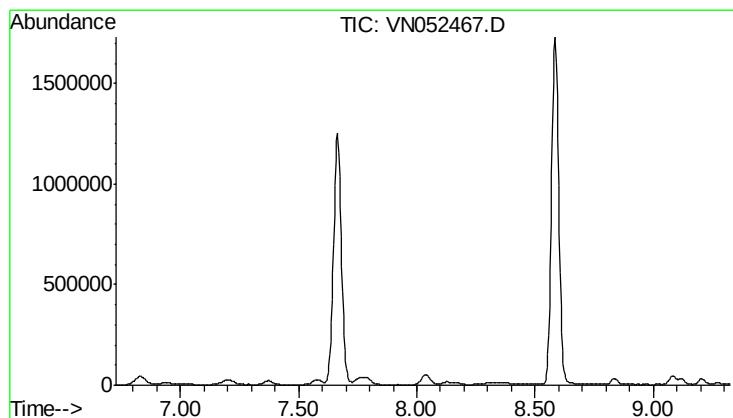
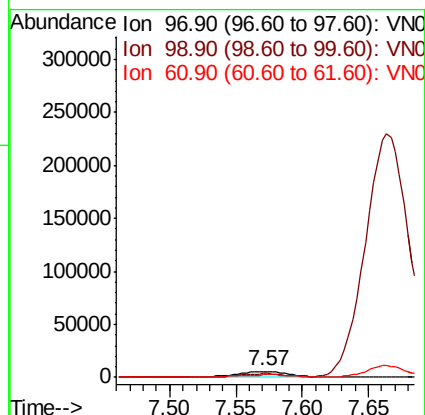
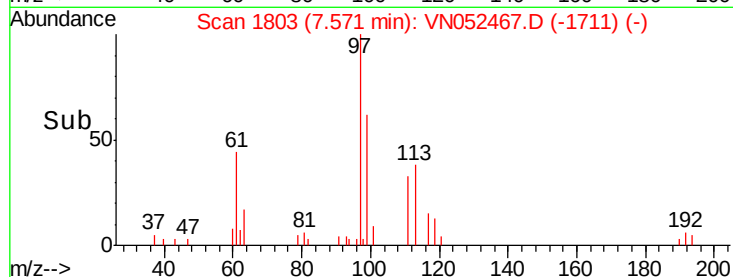
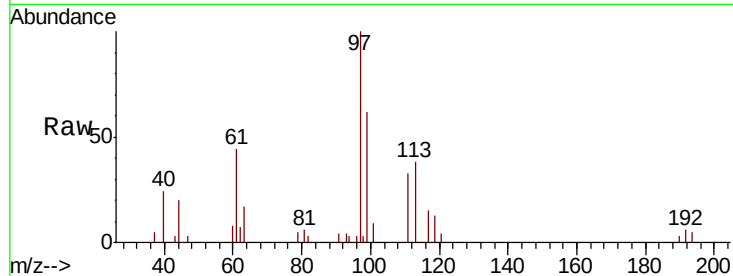
99 0.0 51.7 77.5#

61 46.8 36.8 55.2

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#33

1,2-Dichloroethane-d4

Concen: 0.975 ug/l

Expected RT: 8.03 min

Lab File: VN052467.D

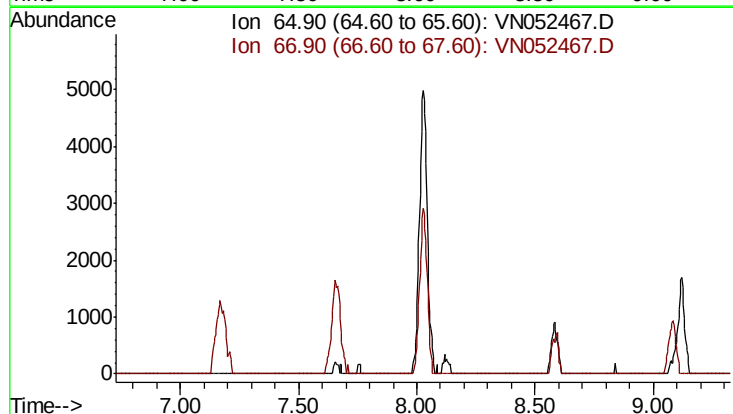
Acq: 27 Nov 2018 9:12

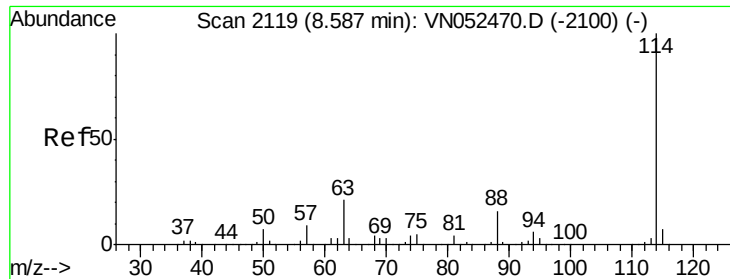
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.9





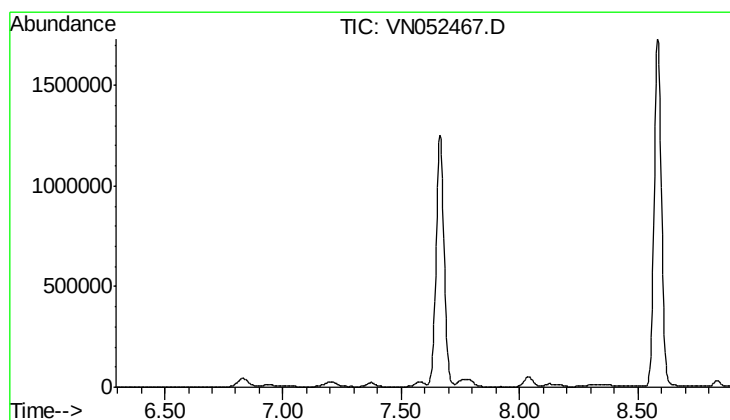
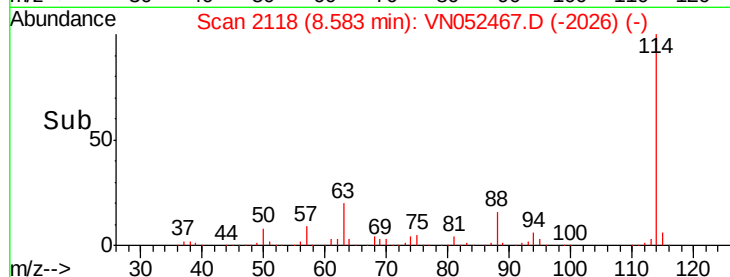
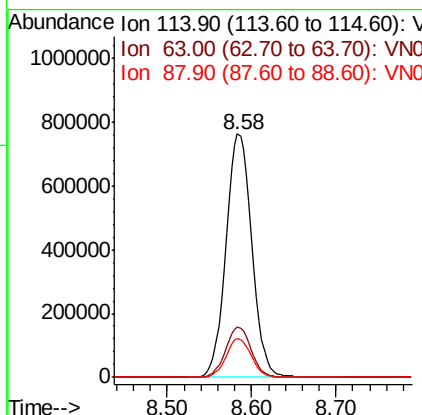
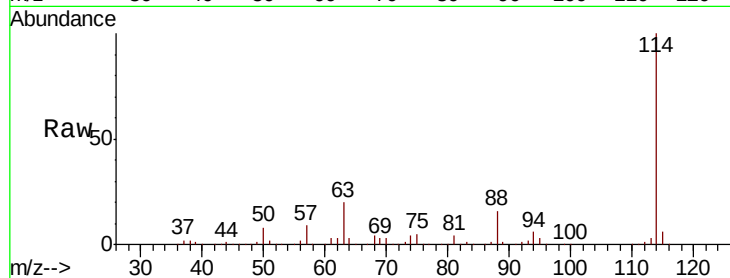
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 114 Resp: 1622416
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.9 0.0 31.6

Manual Integrations
 APPROVED

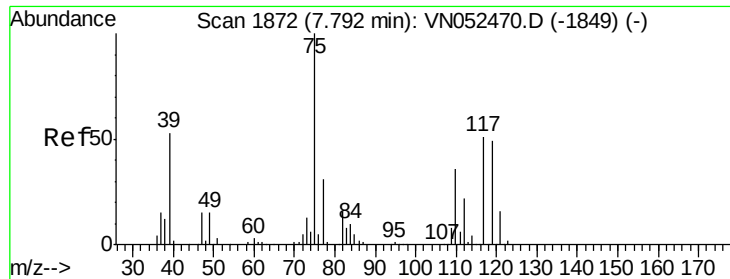
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 11/28/2018 9:33:19 AM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 102.5
 192 21.3





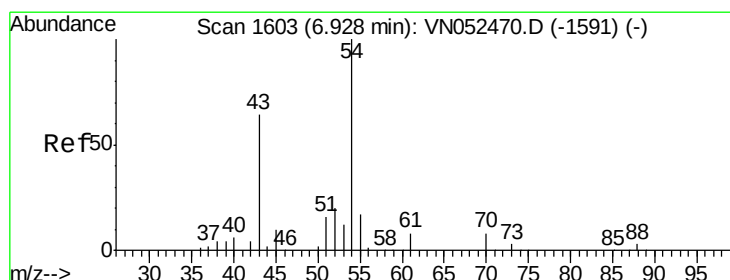
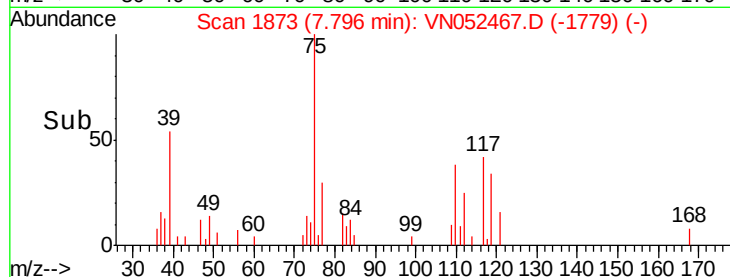
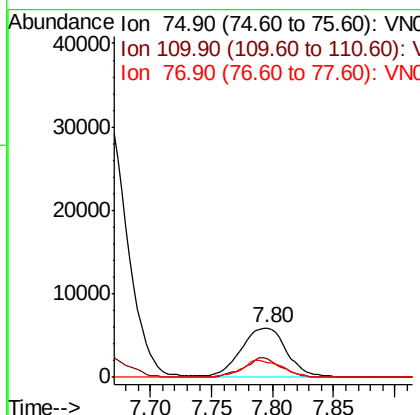
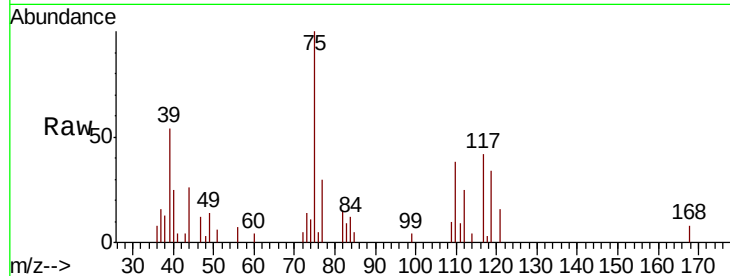
#36
 1,1-Dichloropropene
 Concen: 1.012 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	17.5	52.6
77	30.5	24.5	36.7

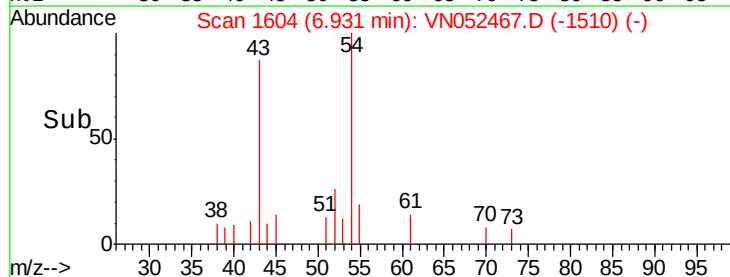
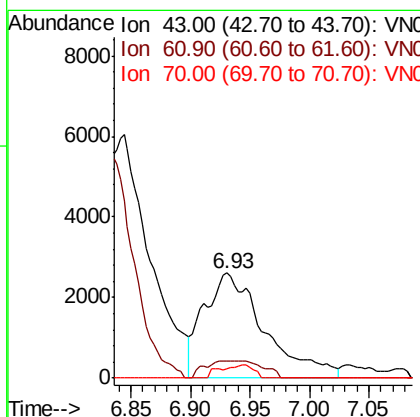
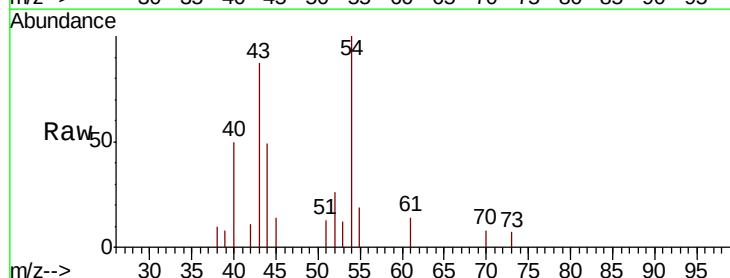
Manual Integrations
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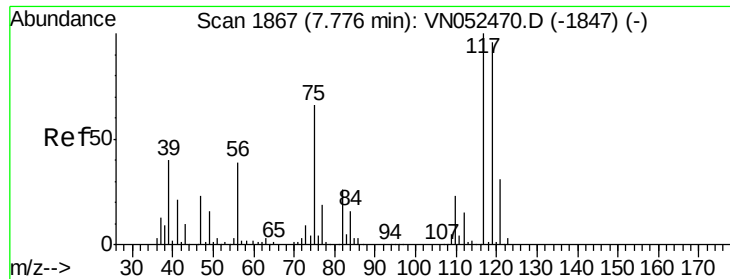
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#37
 Ethyl Acetate
 Concen: 0.986 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.8
70	1.9	7.8	11.8#





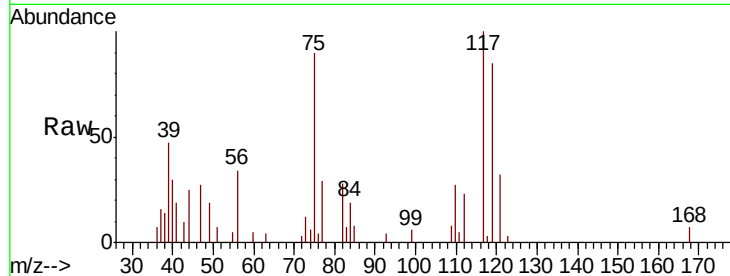
#38
Carbon Tetrachloride
Concen: 0.982 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.4	76.8	115.2
121	32.4	24.9	37.3

Manual Integrations
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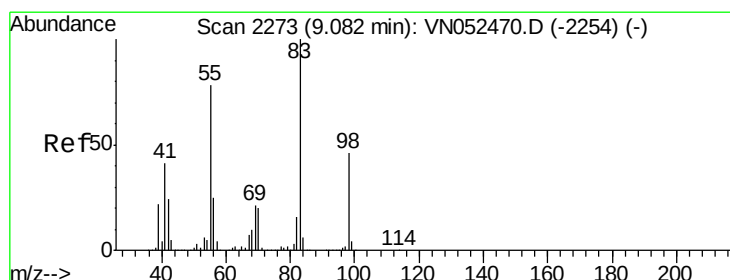
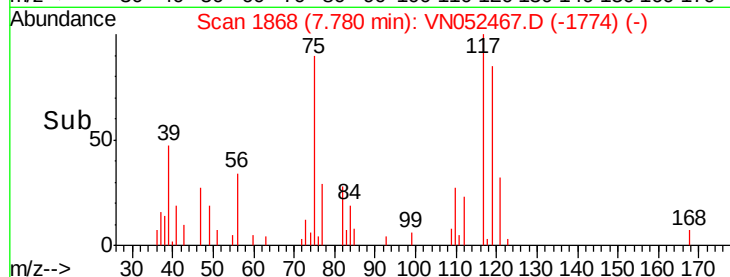
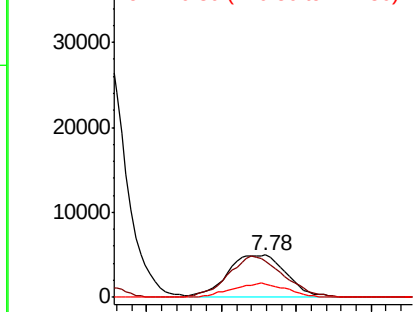


Abundance

Ion 116.80 (116.50 to 117.50): V

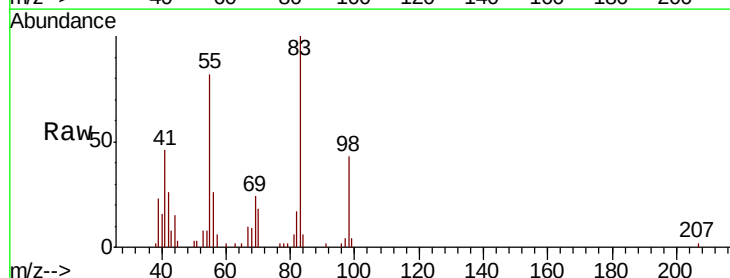
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 0.982 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.5	62.2	93.2
98	42.9	36.4	54.6

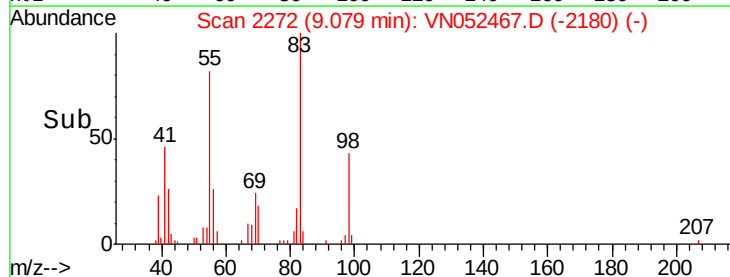
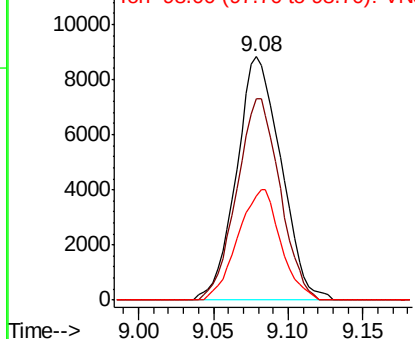


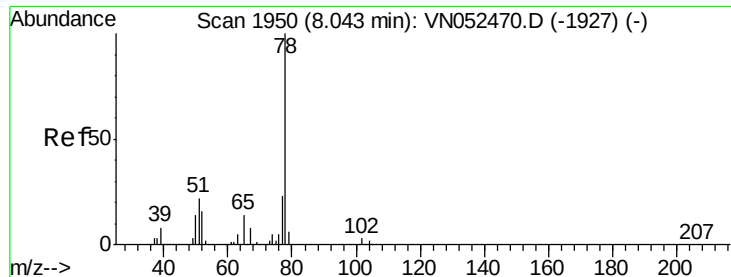
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





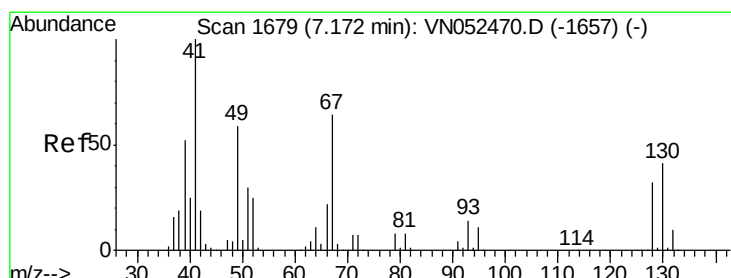
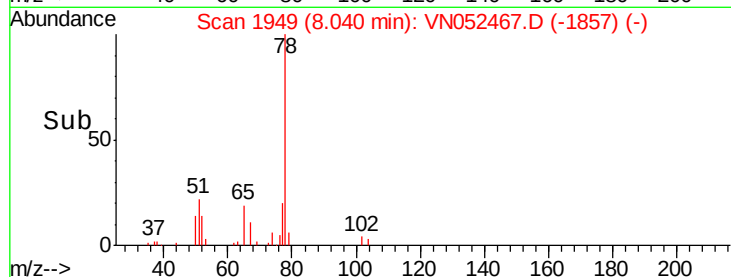
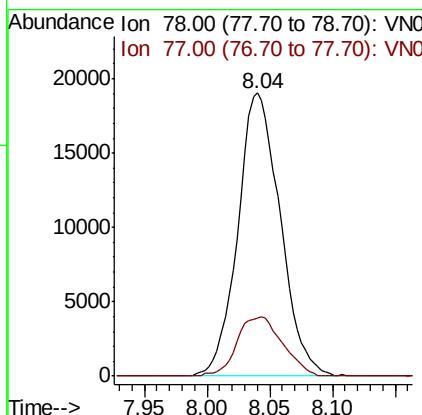
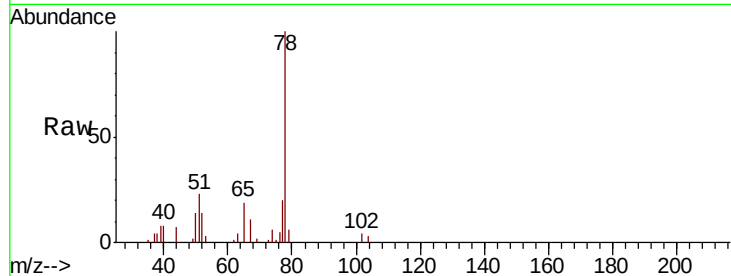
#40
Benzene
Concen: 0.977 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 78 Resp: 44611
Ion Ratio Lower Upper
78 100
77 20.3 18.8 28.2

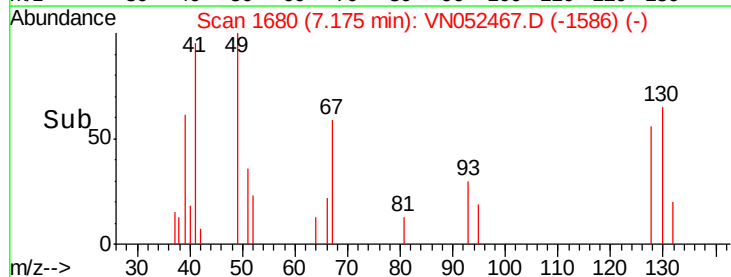
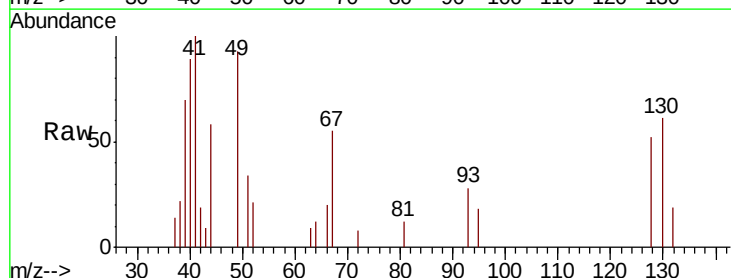
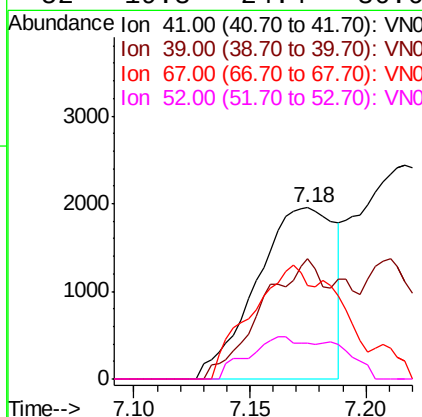
Manual Integrations
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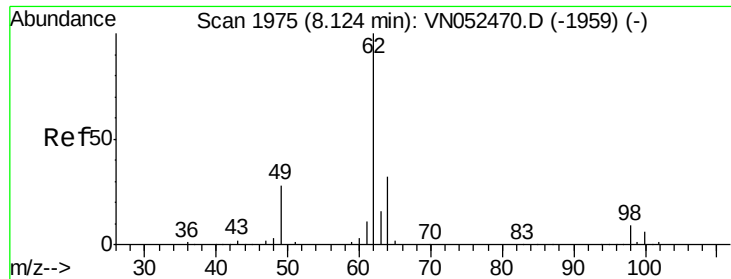
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#41
Methacrylonitrile
Concen: 0.896 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 41 Resp: 4578
Ion Ratio Lower Upper
41 100
39 58.2 50.9 76.3
67 74.5 63.6 95.4
52 19.3 24.4 36.6#





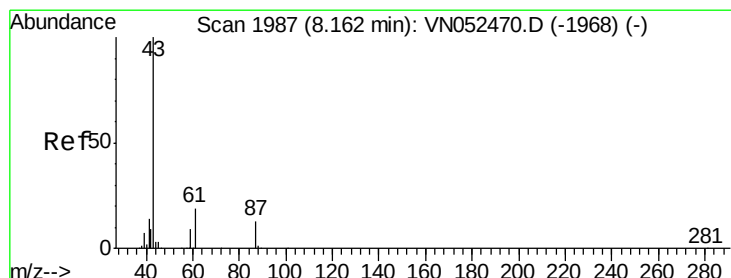
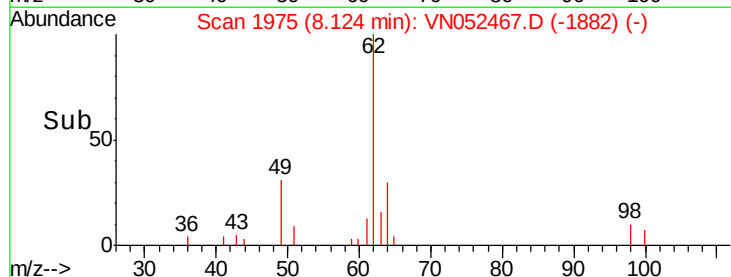
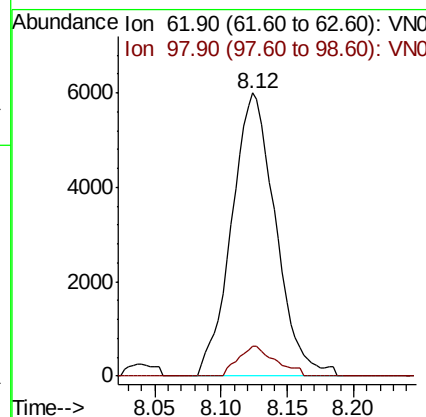
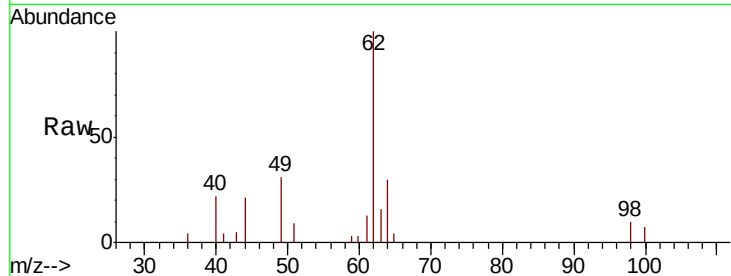
#42
 1,2-Dichloroethane
 Concen: 0.998 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.6

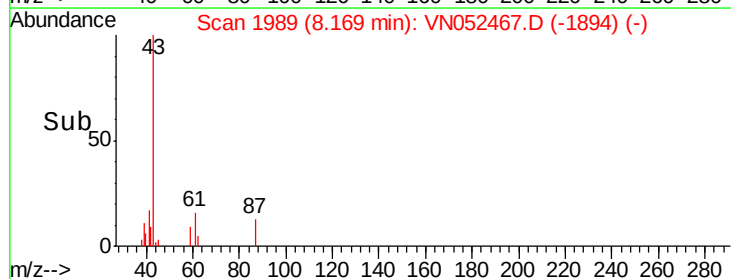
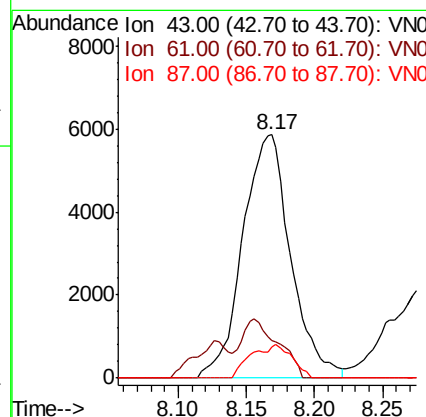
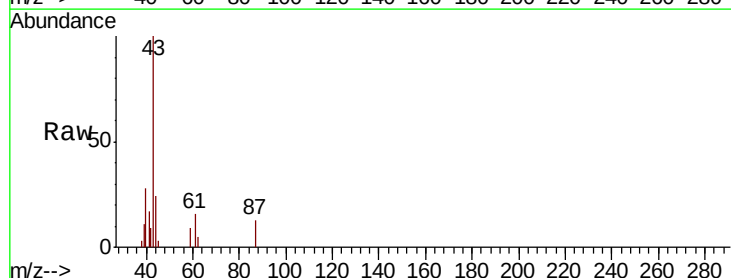
Manual Integrations
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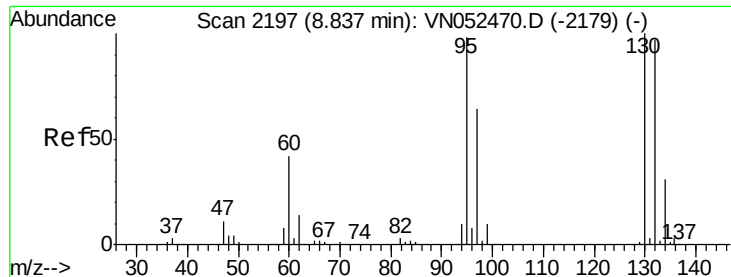
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 11/28/2018 9:33:19 AM



#43
 Isopropyl Acetate
 Concen: 0.904 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.6	24.1	36.1#
87	11.8	10.6	15.8





#44

Trichloroethene

Concen: 1.006 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 11767

Ion Ratio Lower Upper

130 100

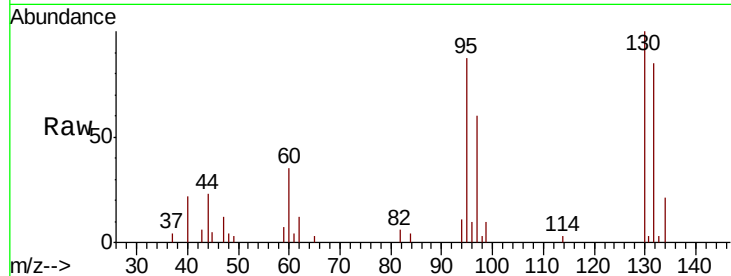
95 87.3 0.0 195.6

Manual Integrations

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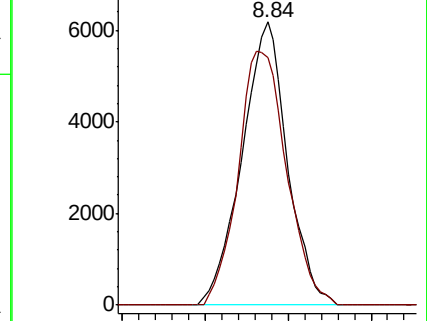
MMDadoda

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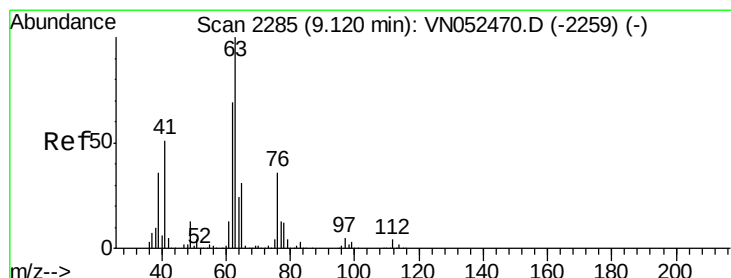
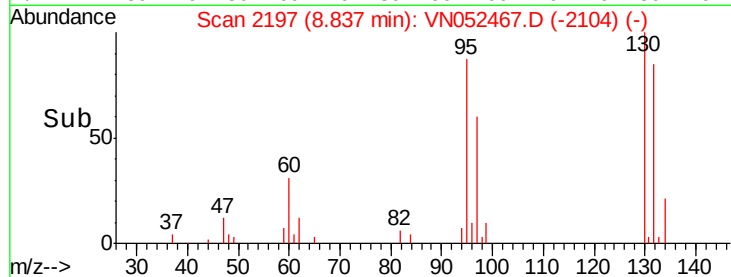


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



Time-->



#45

1,2-Dichloropropane

Concen: 0.968 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052467.D

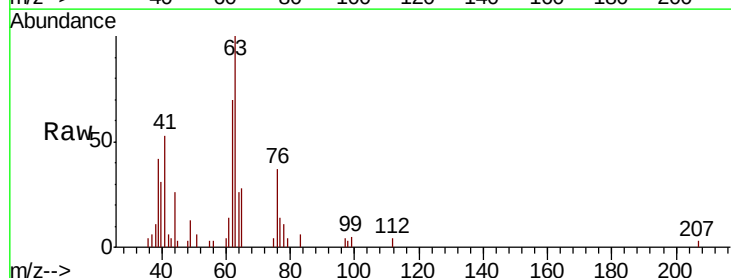
Acq: 27 Nov 2018 9:12

Tgt Ion: 63 Resp: 11747

Ion Ratio Lower Upper

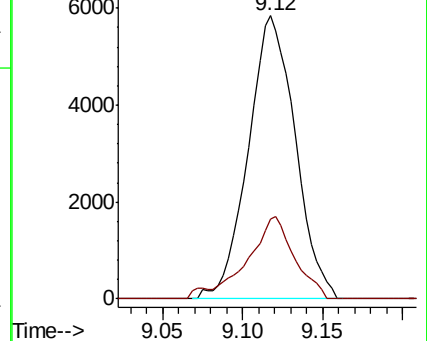
63 100

65 28.3 25.0 37.6

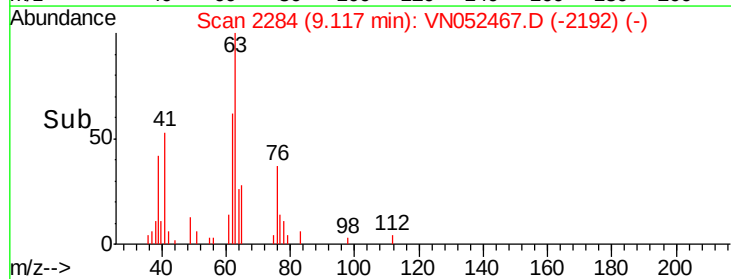


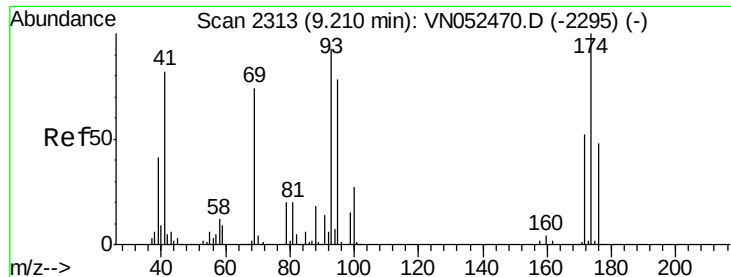
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



Time-->





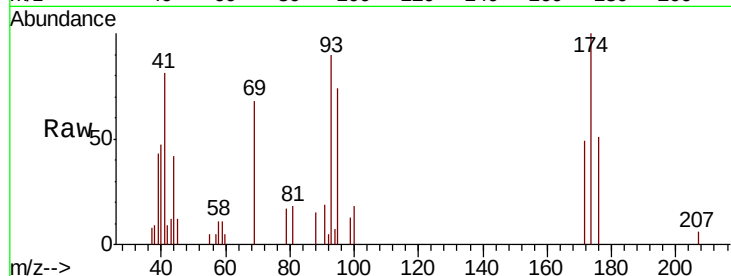
#46
Dibromomethane
Concen: 0.924 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

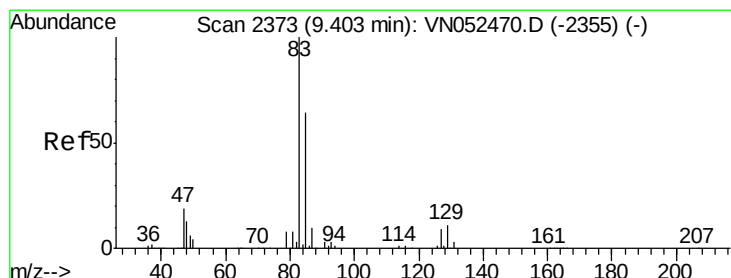
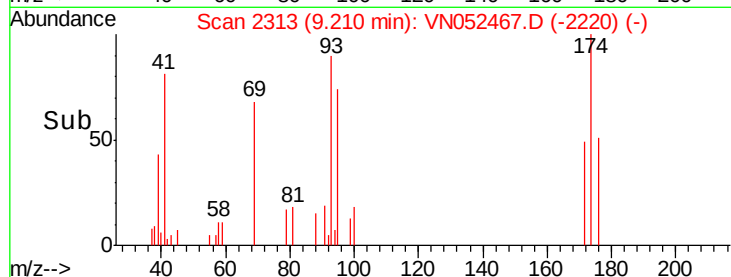
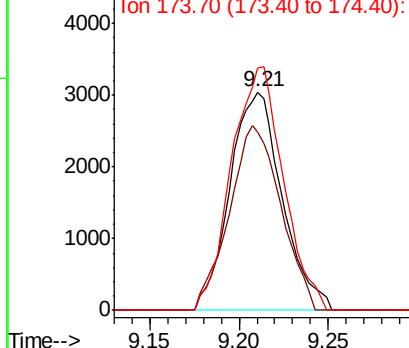
Tgt Ion: 93 Resp: 6208
Ion Ratio Lower Upper
93 100
95 83.5 67.1 100.7
174 111.2 85.8 128.8

Manual Integrations
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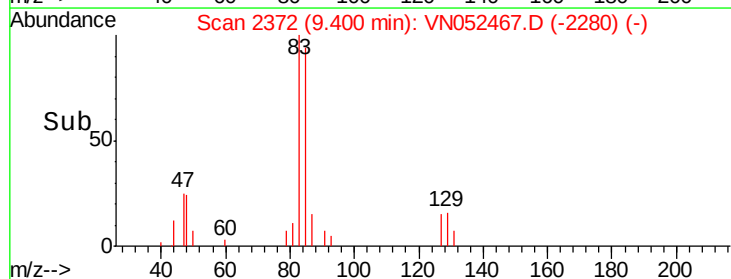
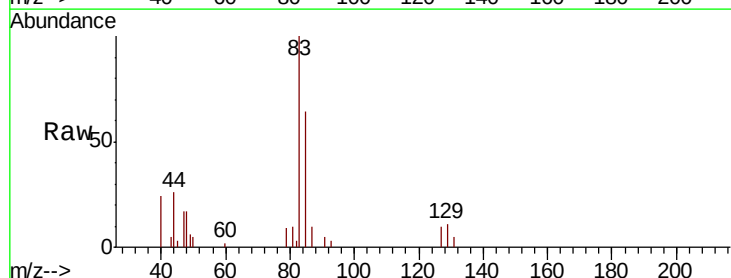
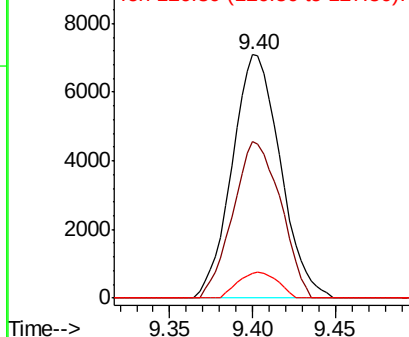
Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

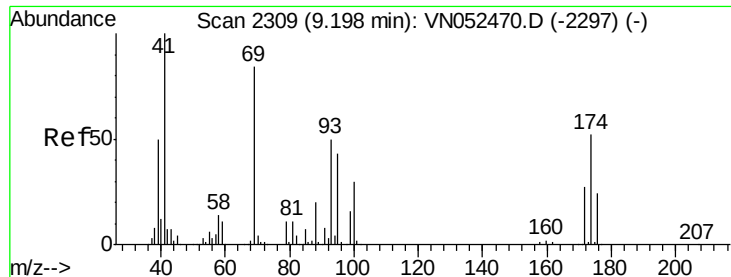


#47
Bromodichloromethane
Concen: 0.982 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 83 Resp: 14352
Ion Ratio Lower Upper
83 100
85 64.2 51.3 76.9
127 10.2 6.9 10.3

Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





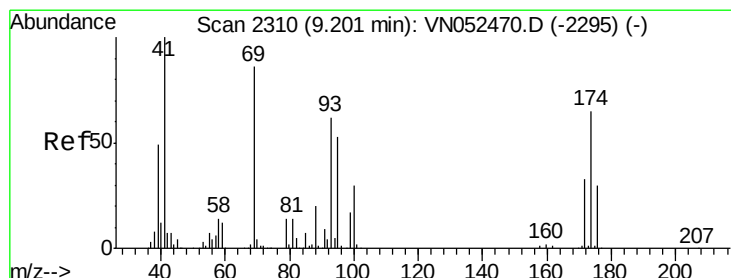
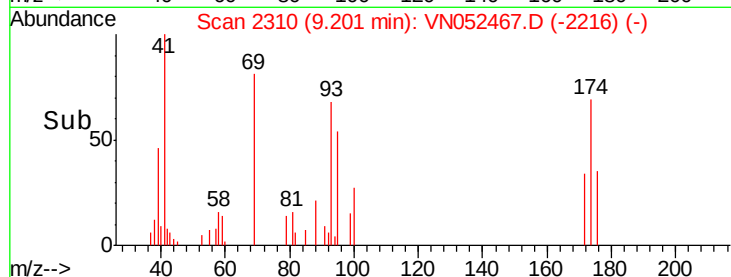
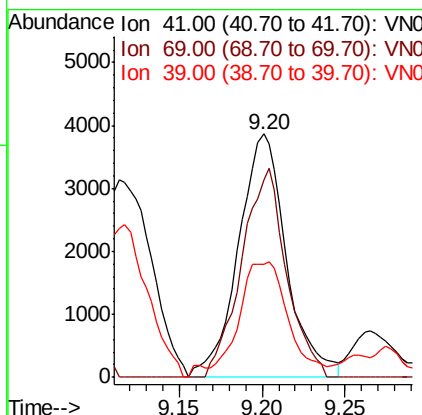
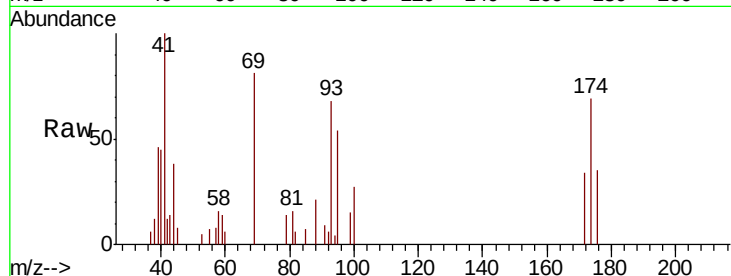
#48
Methyl methacrylate
Concen: 0.946 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 7808
Ion Ratio Lower Upper
41 100
69 80.2 70.0 105.0
39 48.4 42.6 64.0

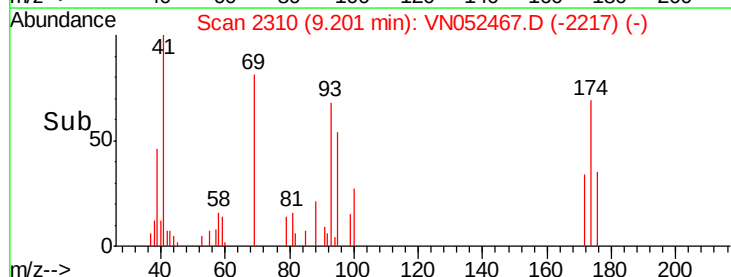
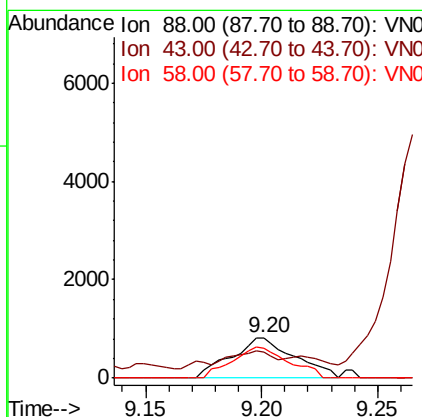
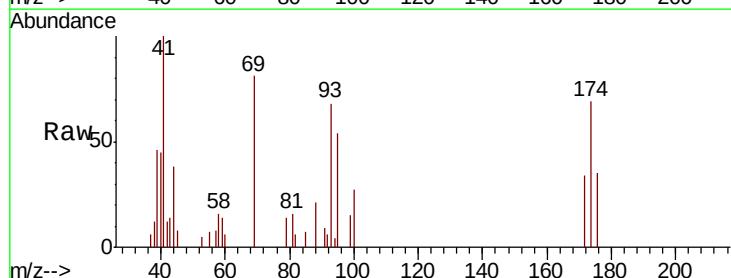
Manual Integrations
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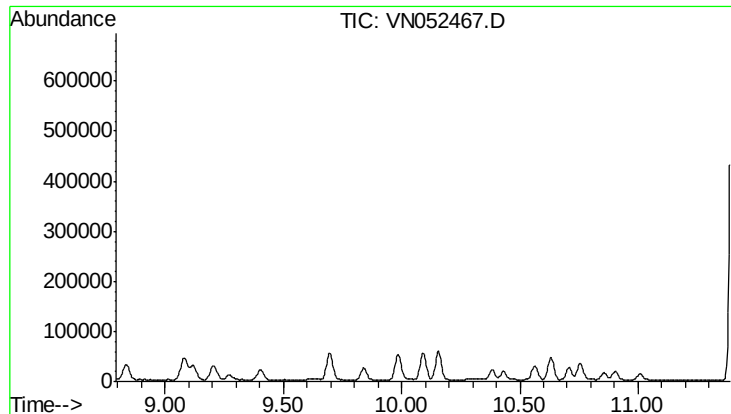
MMDadoda
11/28/2018 9:33:19 AM



#49
1,4-Dioxane
Concen: 18.078 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 88 Resp: 1548
Ion Ratio Lower Upper
88 100
43 22.1 26.4 39.6#
58 69.0 55.4 83.0





#50
Toluene-d8
Concen: 18.078 ug/l
Expected RT: 10.09 min

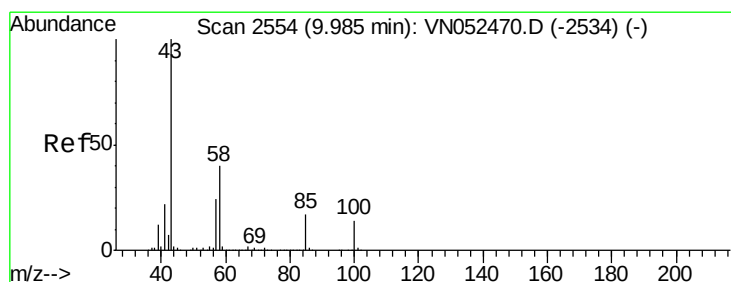
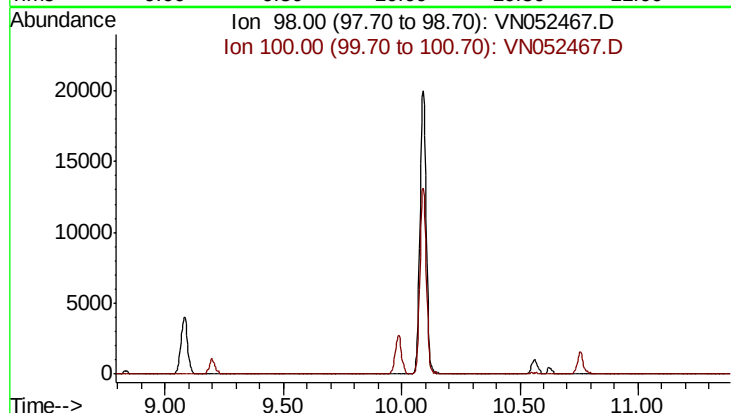
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 98
Sig Exp Ratio
98 100
100 64.1

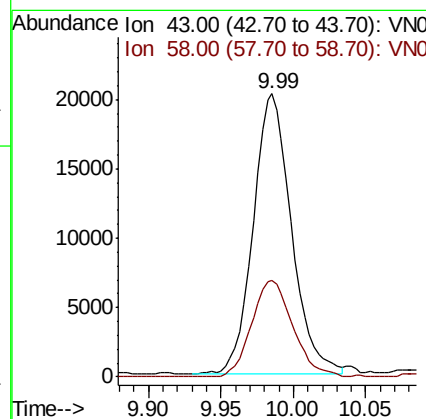
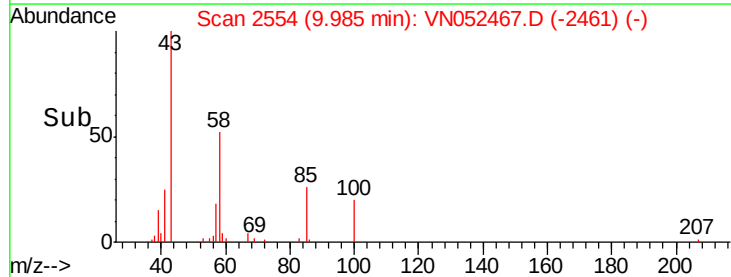
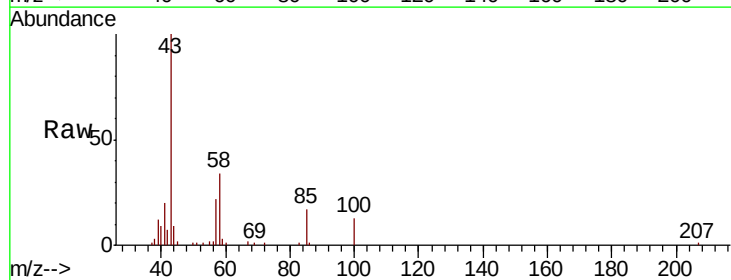
Manual Integrations
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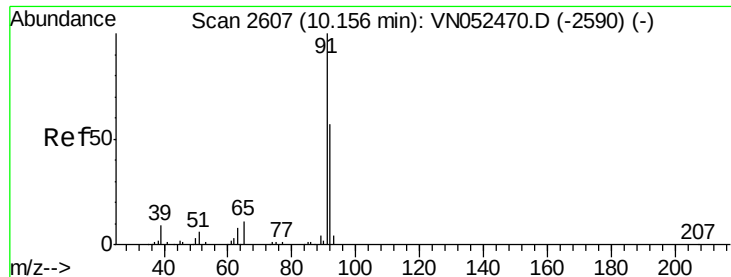
MMDadoda
11/28/2018 9:33:19 AM



#51
4-Methyl-2-Pentanone
Concen: 4.209 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion: 43 Resp: 37366
Ion Ratio Lower Upper
43 100
58 36.7 31.5 47.3





#52

Toluene

Concen: 0.927 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 25139

Ion Ratio Lower Upper

92 100

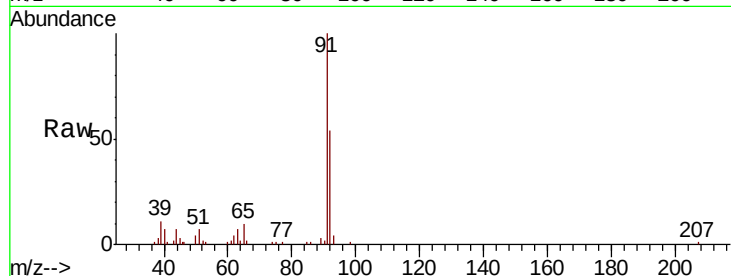
91 176.0 141.0 211.4

Manual Integrations

APPROVED

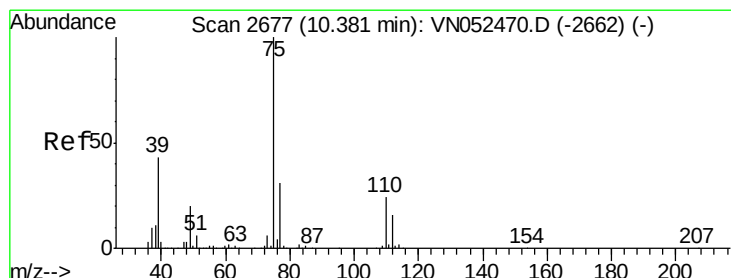
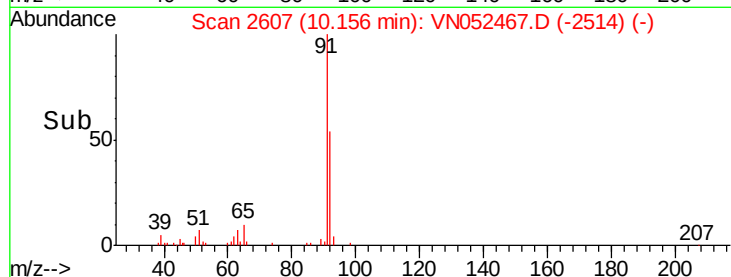
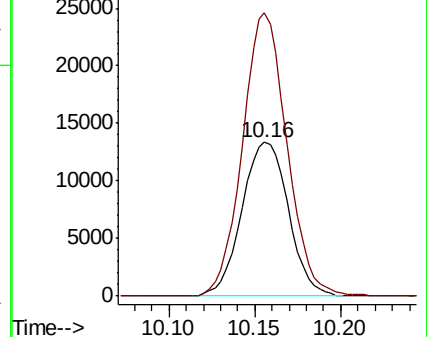
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.835 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052467.D

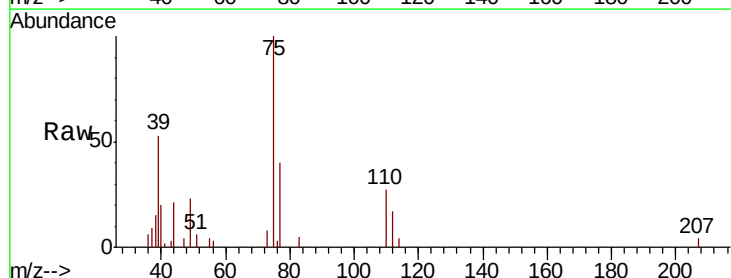
Acq: 27 Nov 2018 9:12

Tgt Ion: 75 Resp: 11732

Ion Ratio Lower Upper

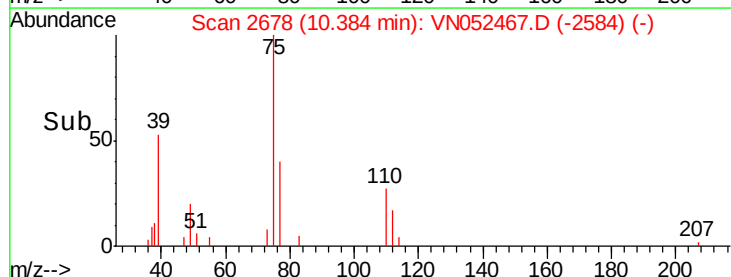
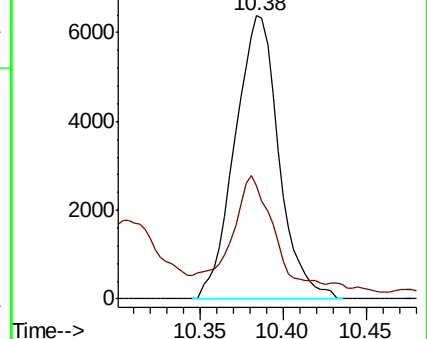
75 100

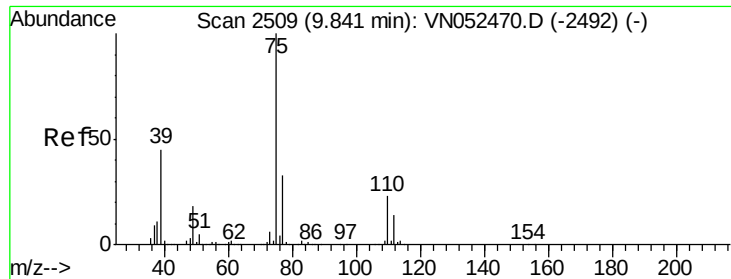
77 34.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

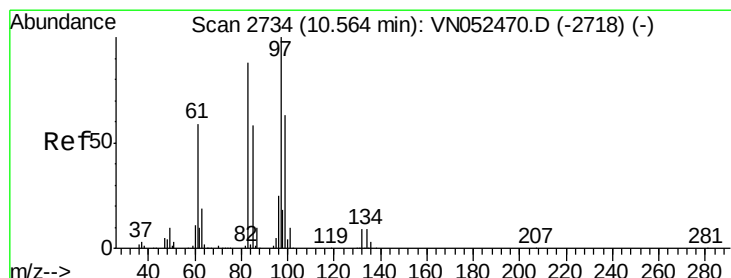
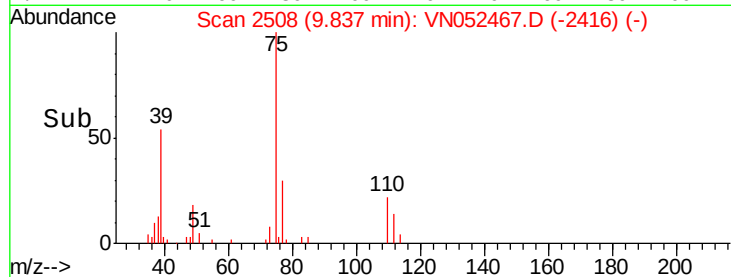
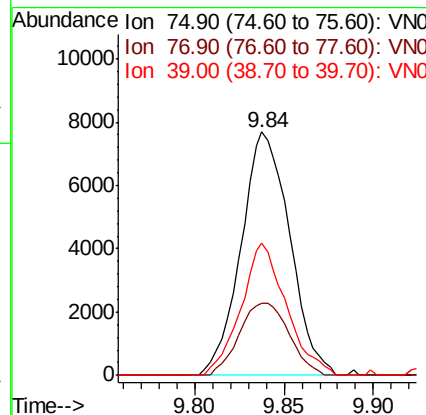
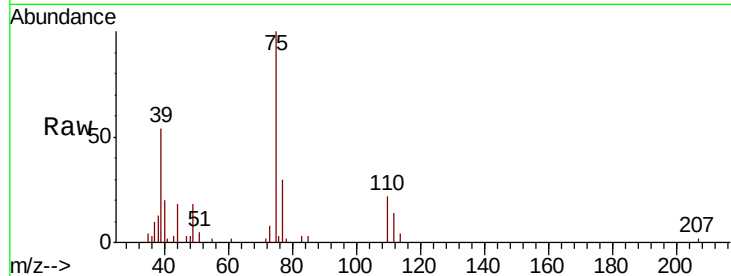
cis-1,3-Dichloropropene
 Concen: 0.870 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	26.2	39.2
39	54.2	36.0	54.0#

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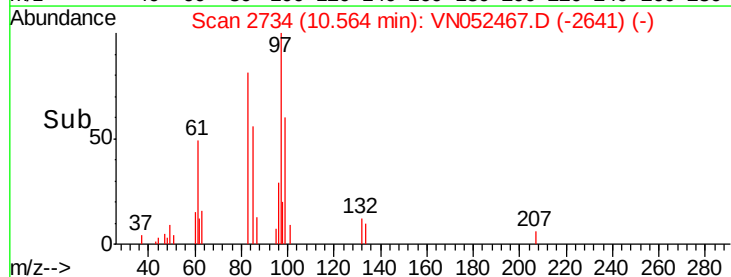
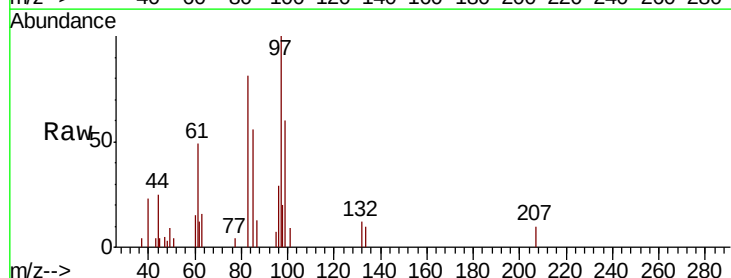
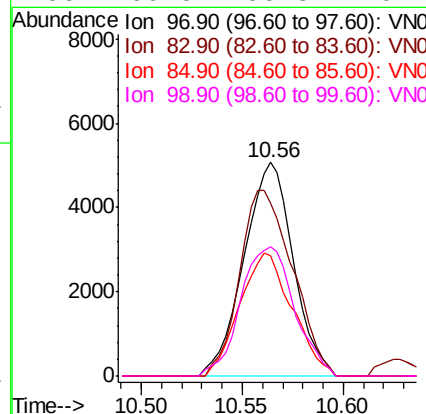
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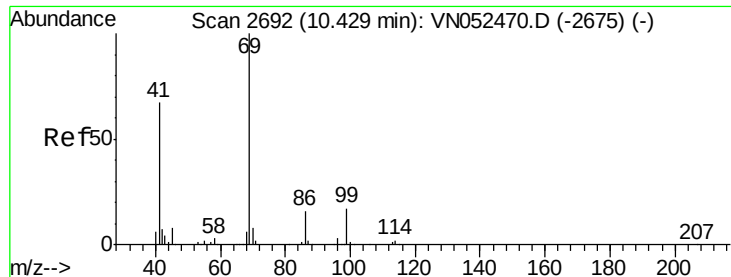


#55

1,1,2-Trichloroethane
 Concen: 0.908 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.9	70.7	106.1
85	56.5	46.1	69.1
99	60.3	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.751 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

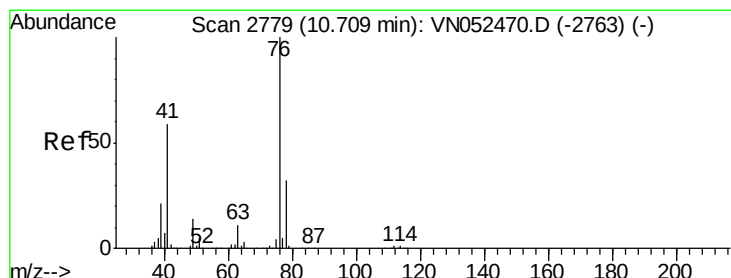
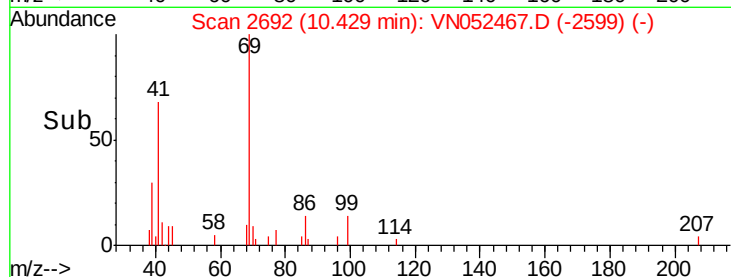
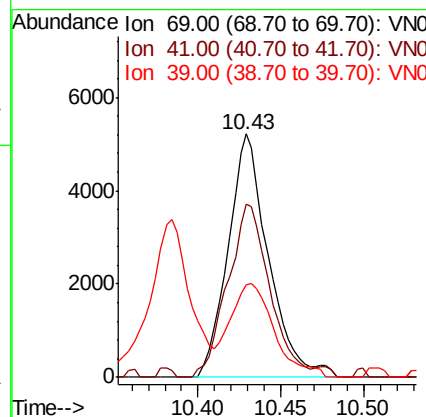
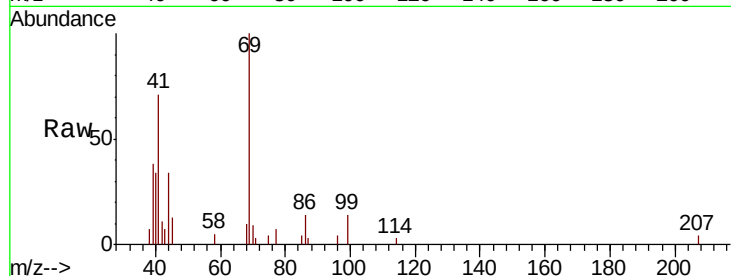
ClientSampleId :

VSTDIC001

Tgt Ion:	69	Resp:	8824
Ion Ratio	Lower	Upper	
69	100		
41	74.3	52.6	79.0
39	42.5	25.9	38.9#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.938 ug/l

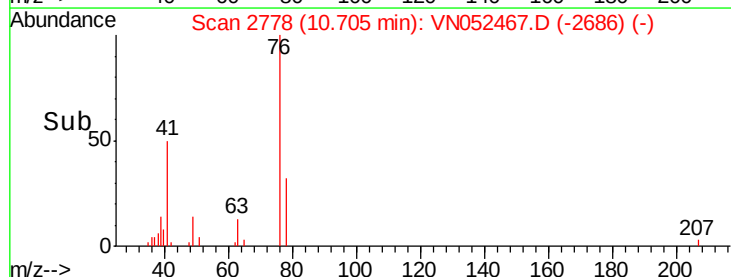
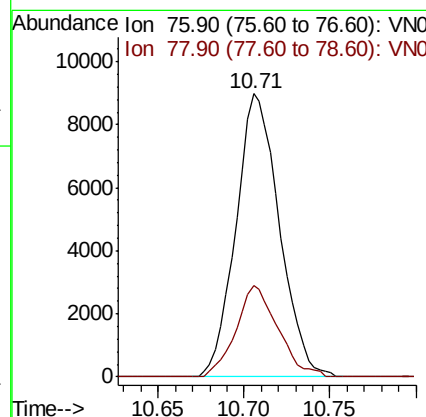
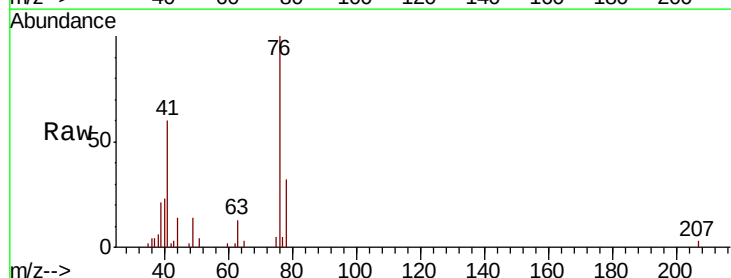
RT: 10.71 min Scan# 2778

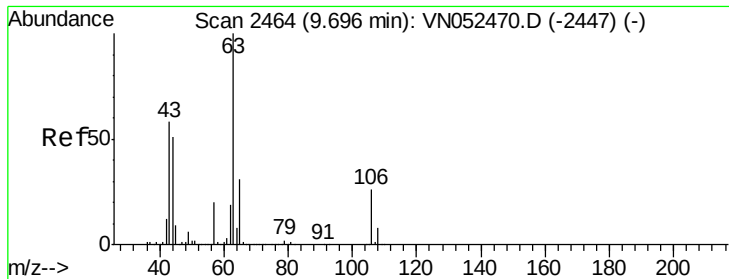
Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Tgt Ion:	76	Resp:	15802
Ion Ratio	Lower	Upper	
76	100		
78	31.2	25.6	38.4





#58

2-Chloroethyl Vinyl ether

Concen: 3.902 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 27017

Ion Ratio Lower Upper

63 100

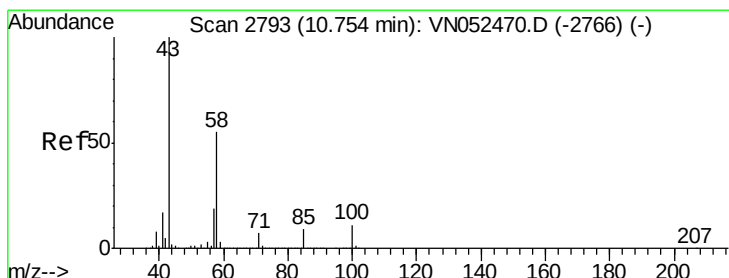
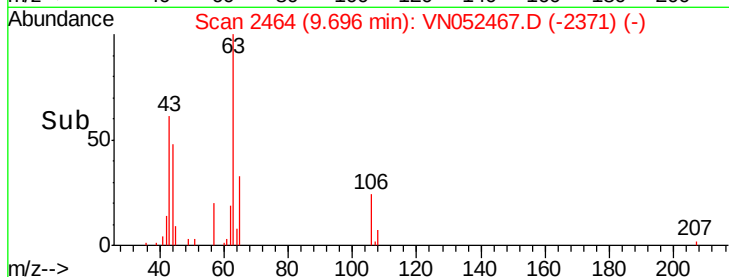
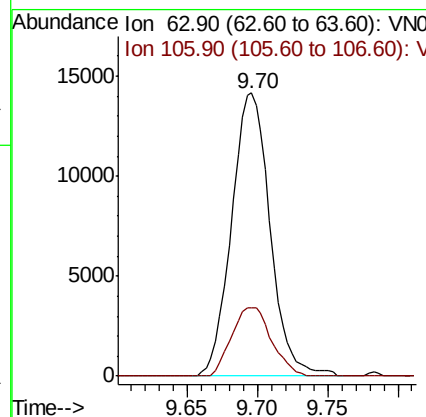
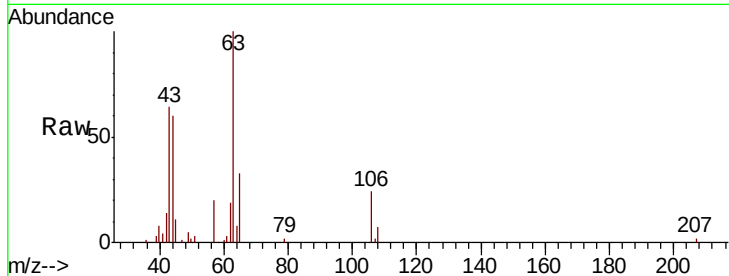
106 25.1 20.6 30.8

Manual Integrations

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#59

2-Hexanone

Concen: 3.994 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN052467.D

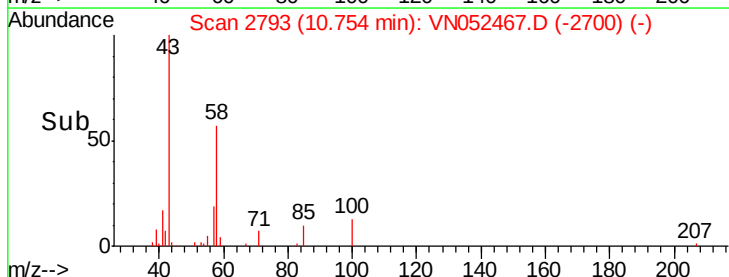
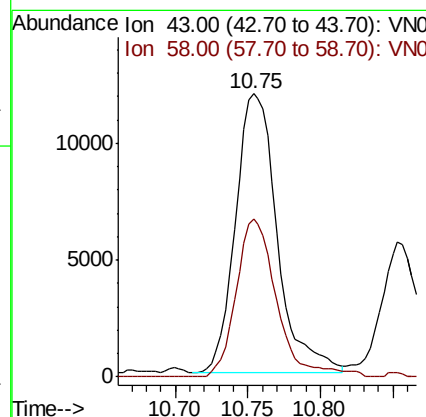
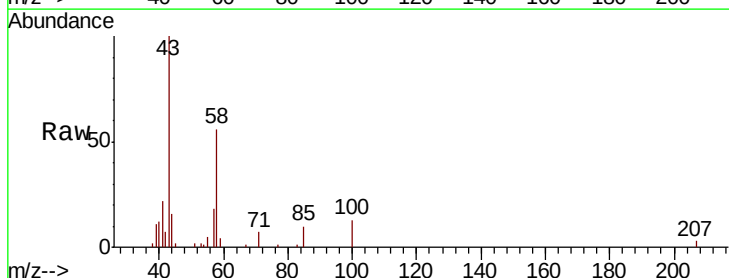
Acq: 27 Nov 2018 9:12

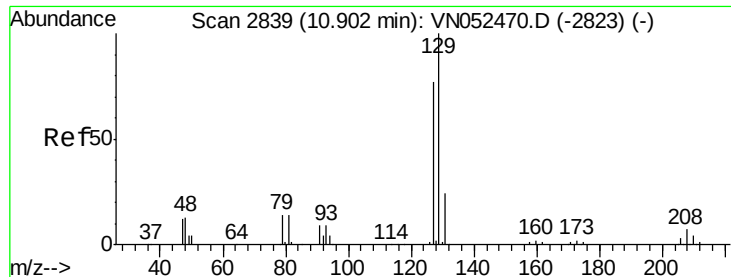
Tgt Ion: 43 Resp: 23799

Ion Ratio Lower Upper

43 100

58 55.2 27.4 82.0





#60

Dibromochloromethane

Concen: 0.898 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 9305

Ion Ratio Lower Upper

129 100

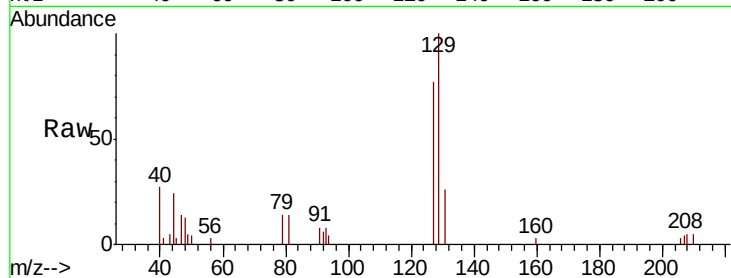
127 79.5 38.9 116.6

Manual Integrations

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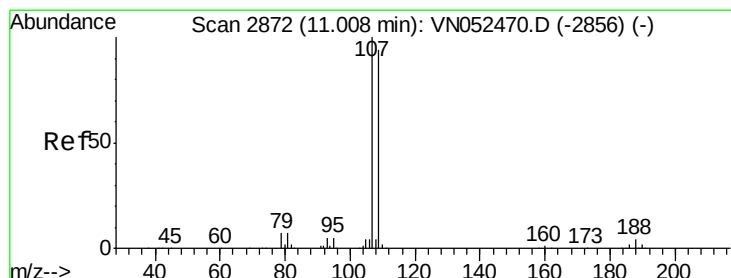
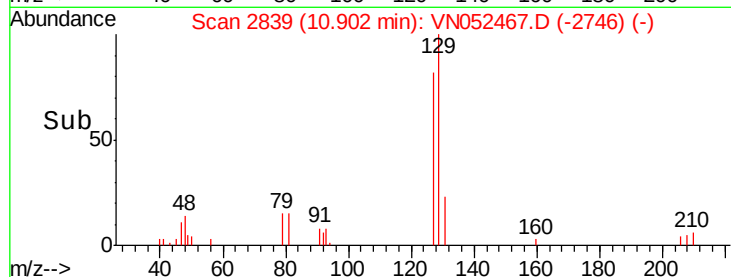
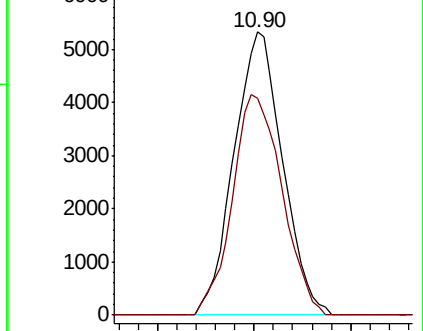
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.915 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052467.D

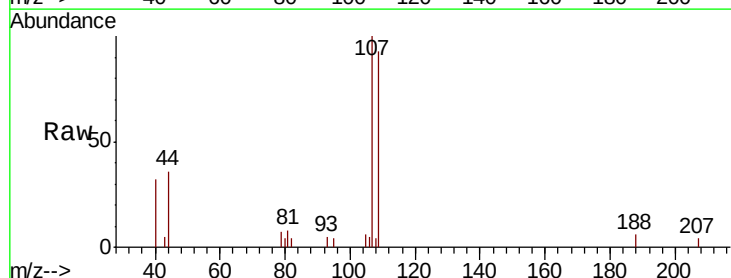
Acq: 27 Nov 2018 9:12

Tgt Ion:107 Resp: 8670

Ion Ratio Lower Upper

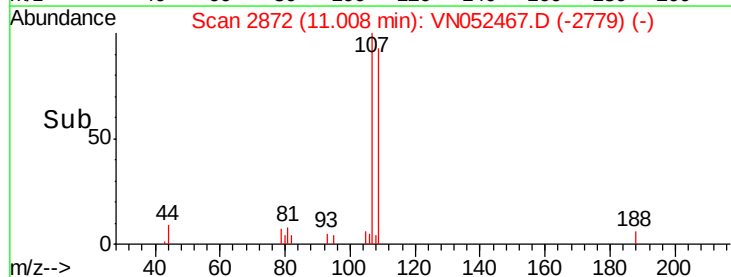
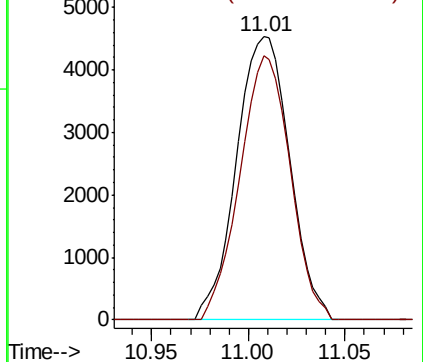
107 100

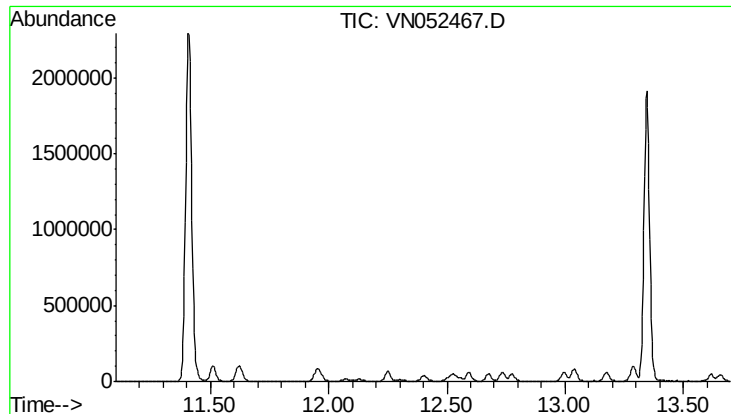
109 88.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.915 ug/l

Expected RT: 12.40 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Tgt Ion: 95

Sig Exp Ratio

95 100

174 86.5

176 83.1

Instrument :

MSVOA_N

ClientSampleId :

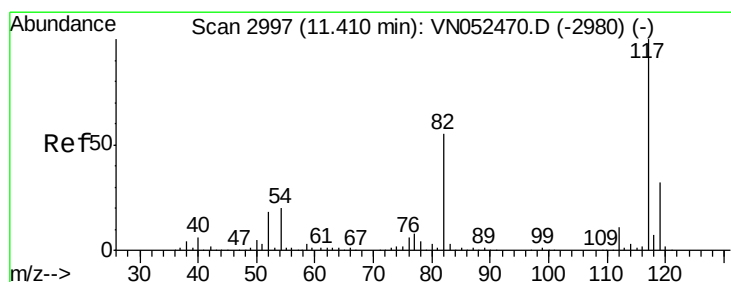
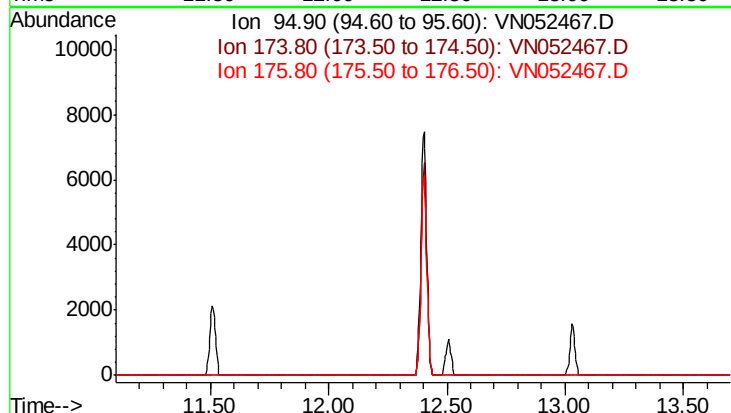
VSTDIC001

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

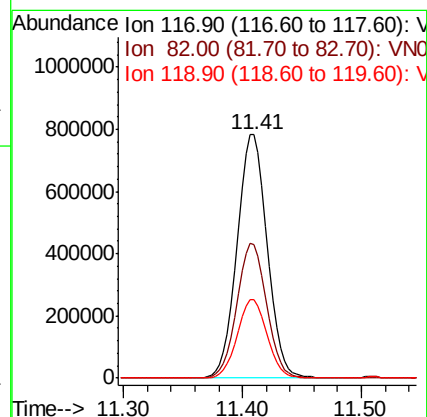
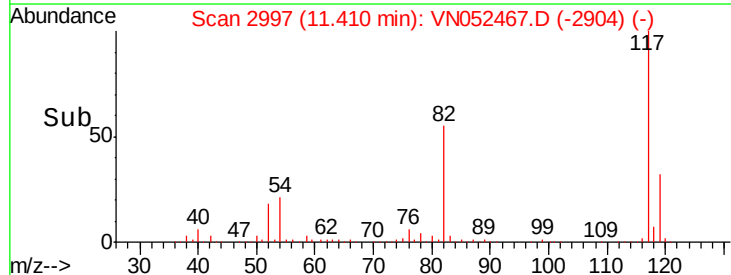
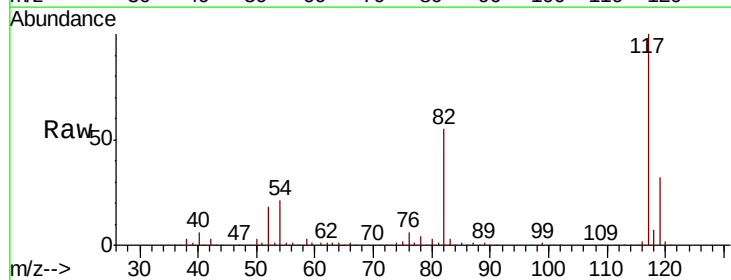
Tgt Ion: 117 Resp: 1373748

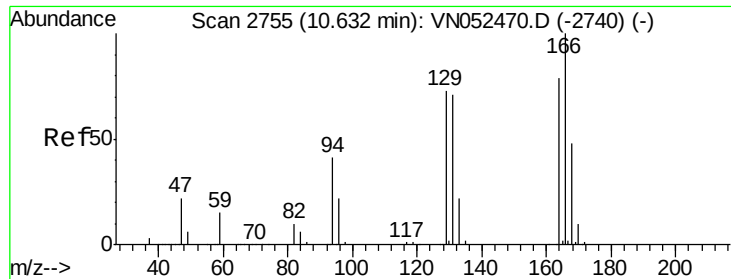
Ion Ratio Lower Upper

117 100

82 54.7 43.6 65.4

119 32.2 25.4 38.2





#64

Tetrachloroethene

Concen: 1.098 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 11695

Ion Ratio Lower Upper

164 100

166 118.6 101.0 151.4

129 92.5 73.8 110.6

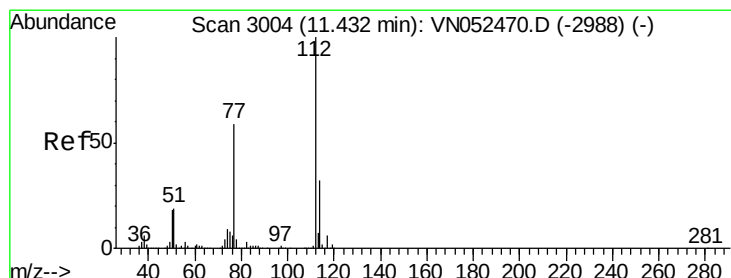
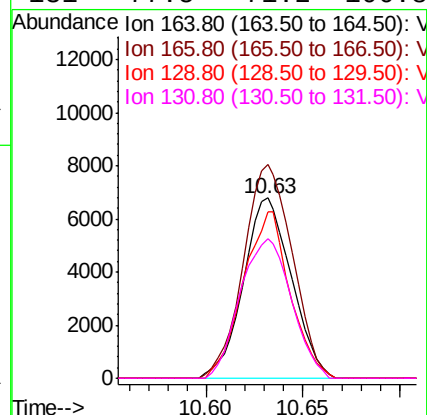
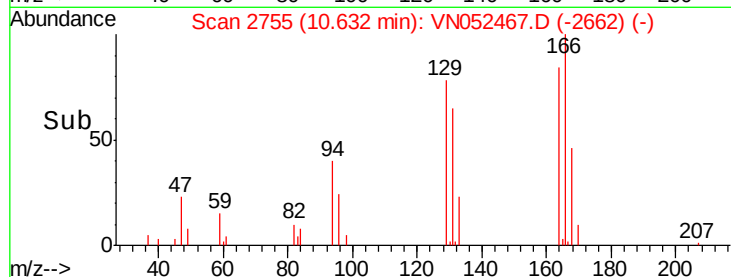
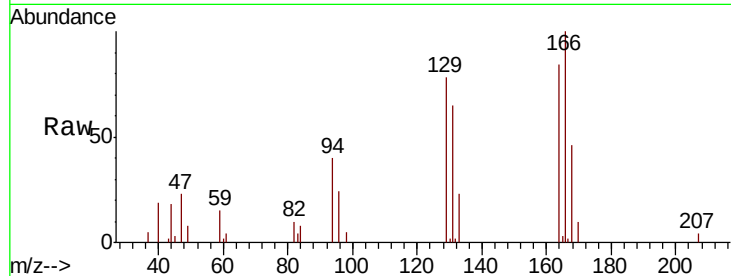
131 77.5 71.2 106.8

Manual Integrations

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#65

Chlorobenzene

Concen: 0.981 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052467.D

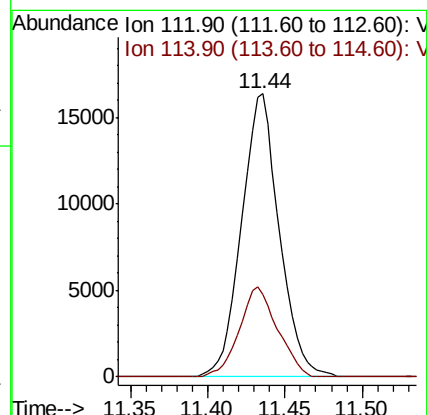
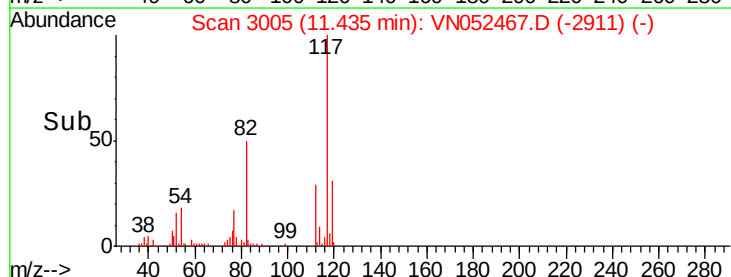
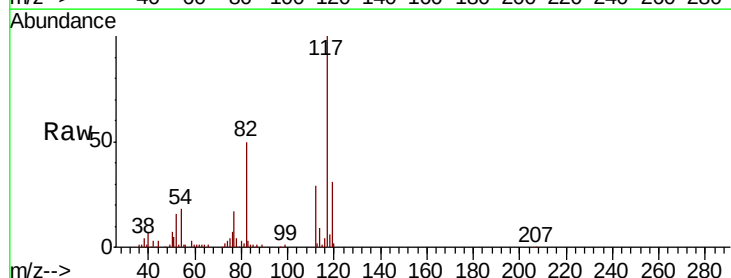
Acq: 27 Nov 2018 9:12

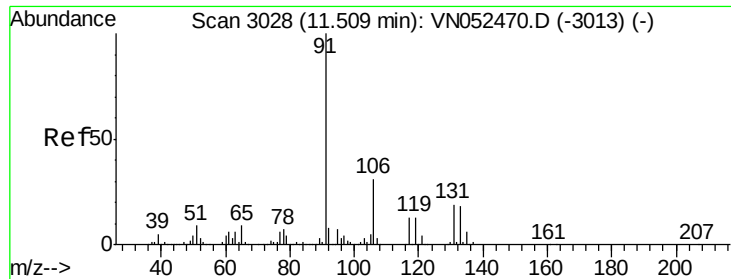
Tgt Ion:112 Resp: 27775

Ion Ratio Lower Upper

112 100

114 29.3 25.8 38.6





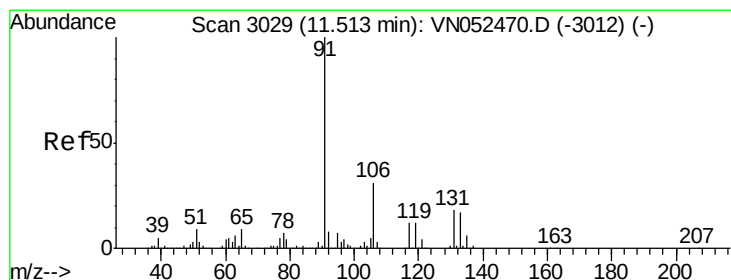
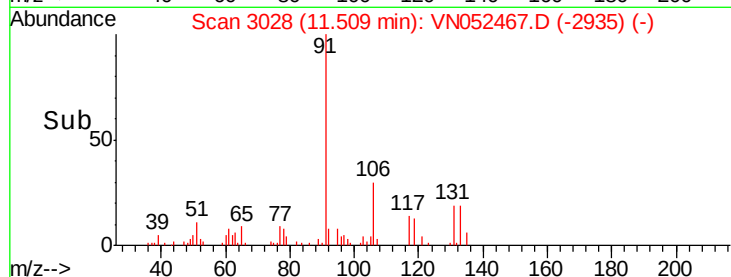
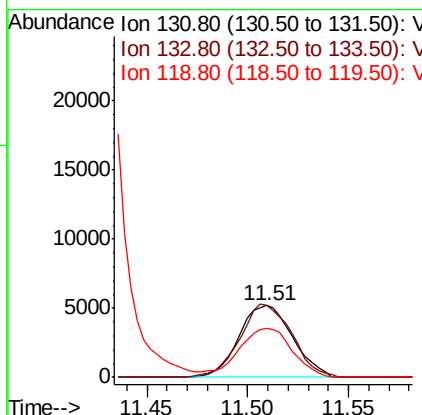
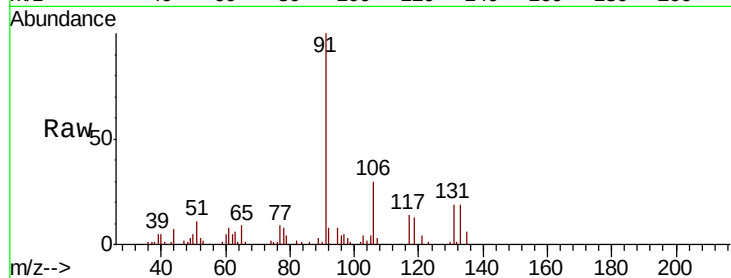
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.978 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 131 Resp: 9633
 Ion Ratio Lower Upper
 131 100
 133 99.2 47.6 142.8
 119 0.0 33.2 99.6#

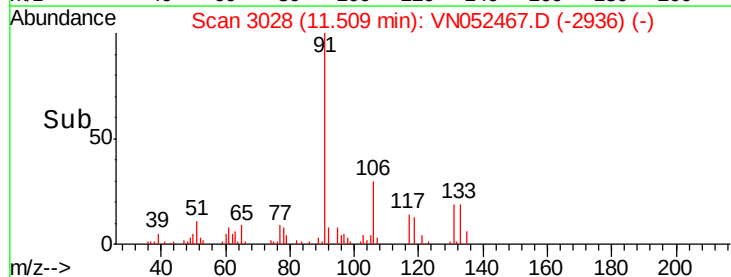
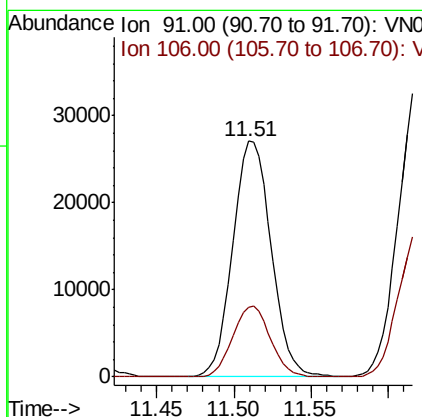
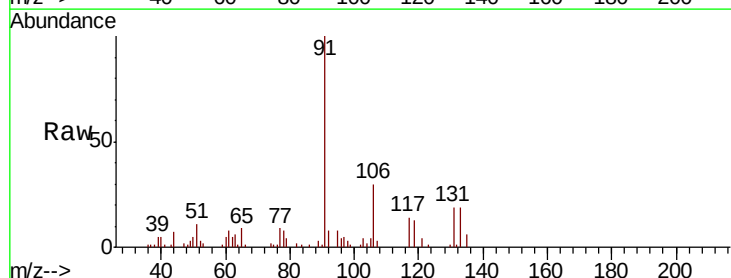
Manual Integrations
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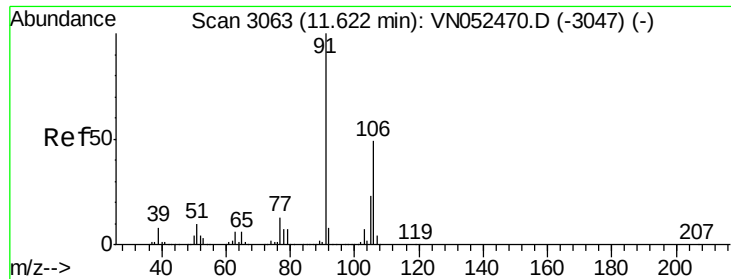
MMDadoda
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#67
 Ethyl Benzene
 Concen: 0.943 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion: 91 Resp: 46760
 Ion Ratio Lower Upper
 91 100
 106 29.8 24.9 37.3





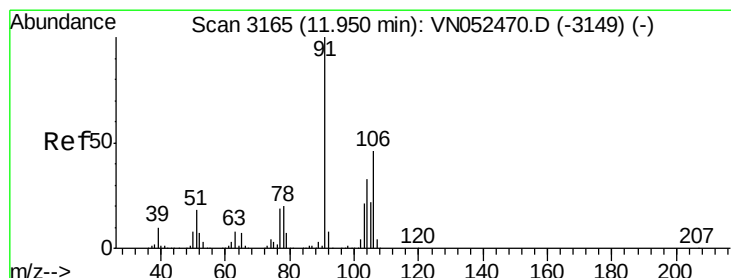
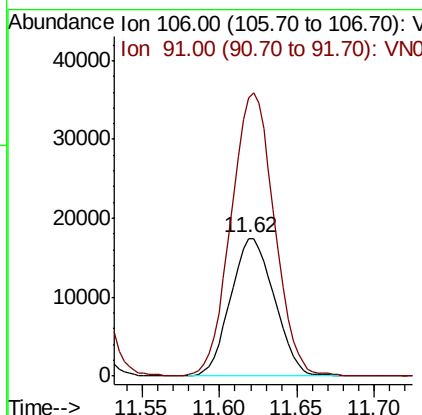
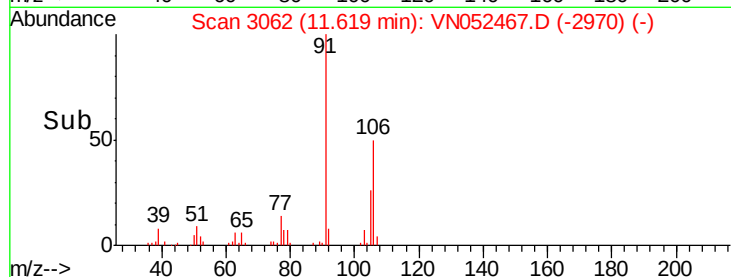
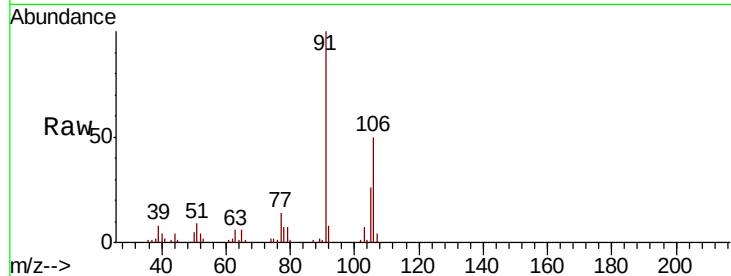
#68
m/p-Xylenes
Concen: 1.864 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 34422
Ion Ratio Lower Upper
106 100
91 203.0 163.2 244.8

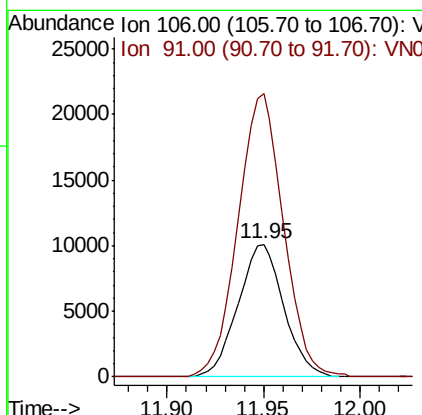
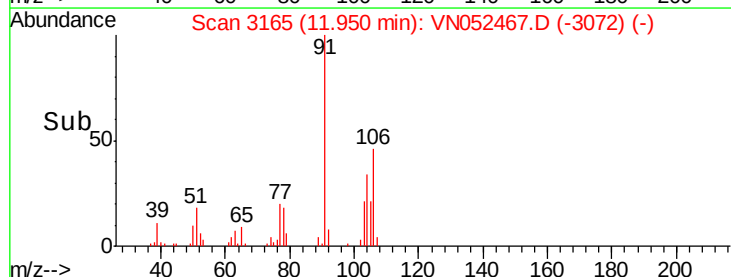
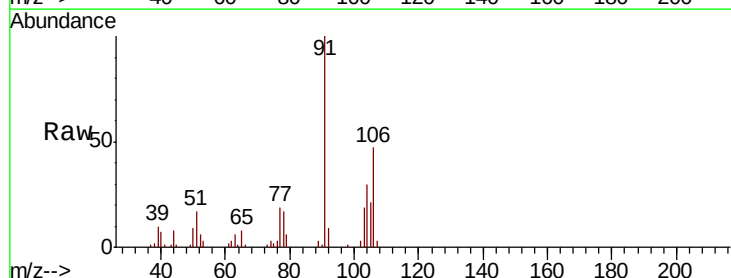
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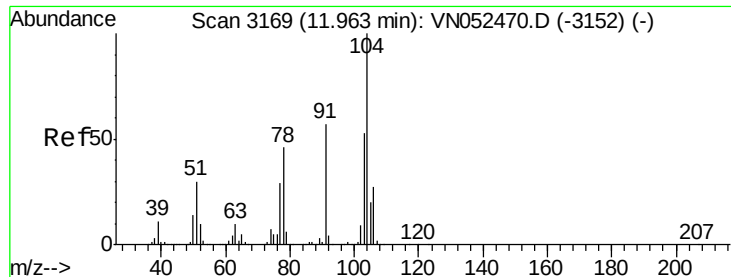
MMDadoda
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#69
o-Xylene
Concen: 0.925 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion:106 Resp: 16591
Ion Ratio Lower Upper
106 100
91 212.9 107.7 323.1





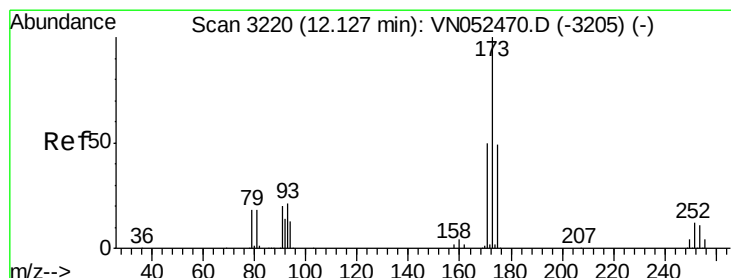
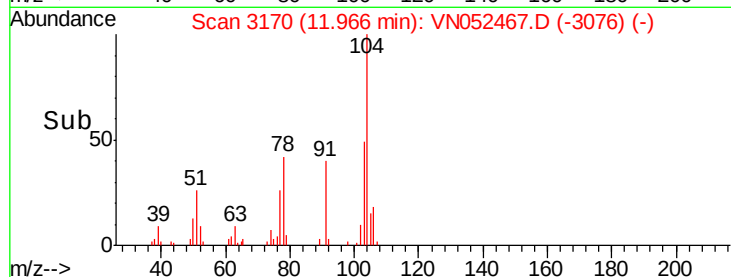
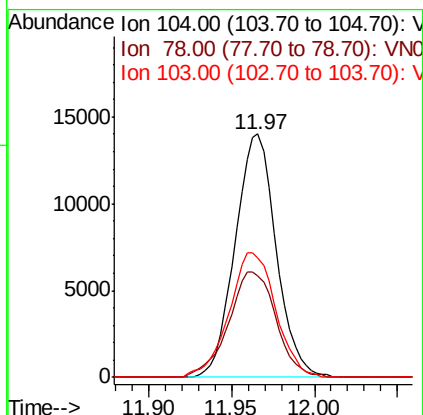
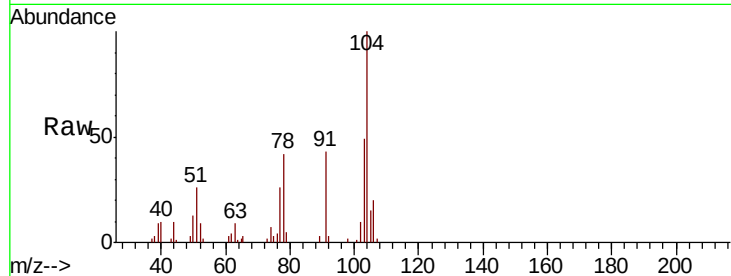
#70
Styrene
Concen: 0.845 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.4	59.2
103	57.9	44.9	67.3

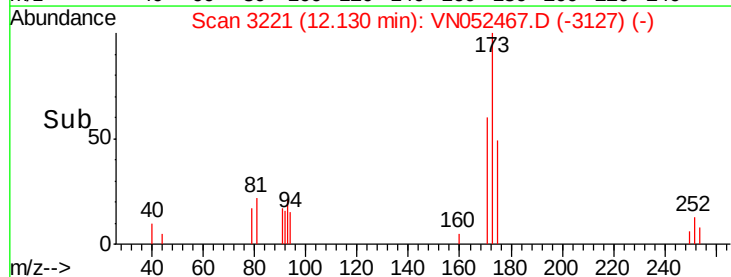
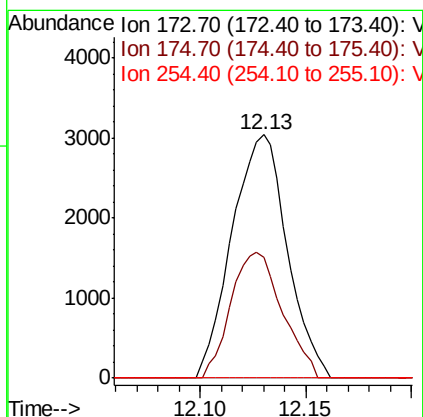
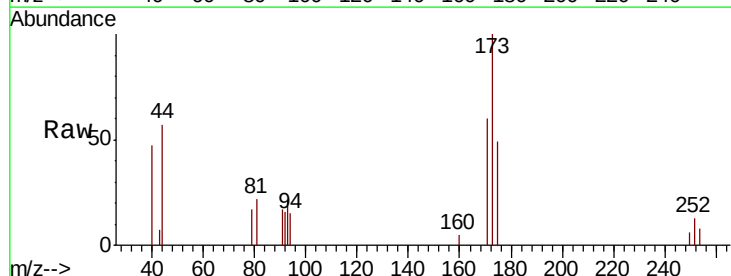
Manual Integrations
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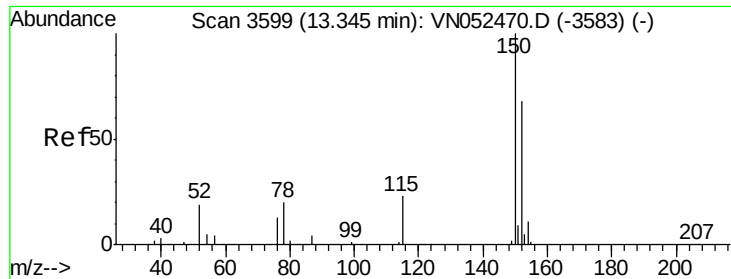
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#71
Bromoform
Concen: 0.848 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

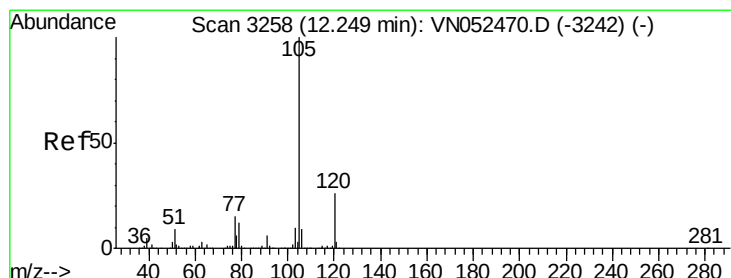
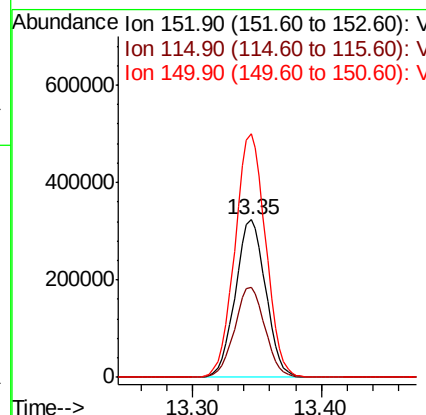
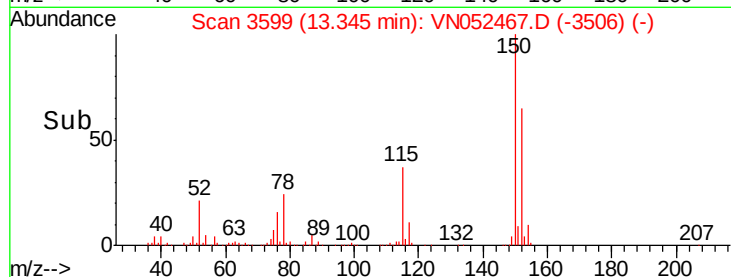
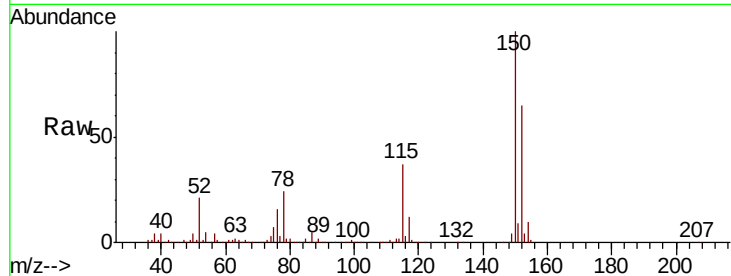
ClientSampleId :

VSTDIC001

Tgt	Ion	152	Resp:	526959
	Ion	Ratio	Lower	Upper
	152	100		
	115	57.5	28.4	85.2
	150	156.5	0.0	346.0

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#73

Isopropylbenzene

Concen: 1.049 ug/l

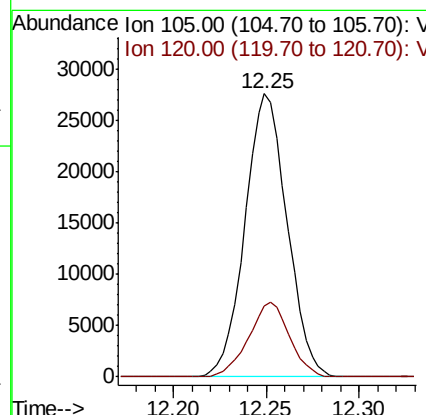
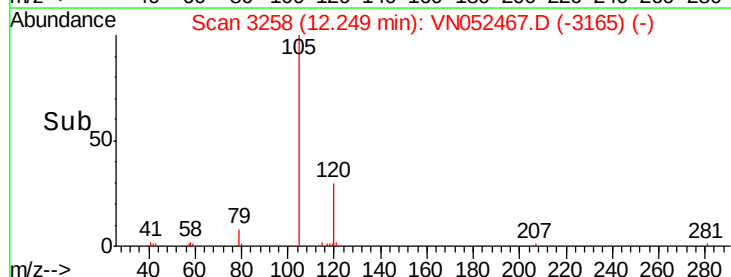
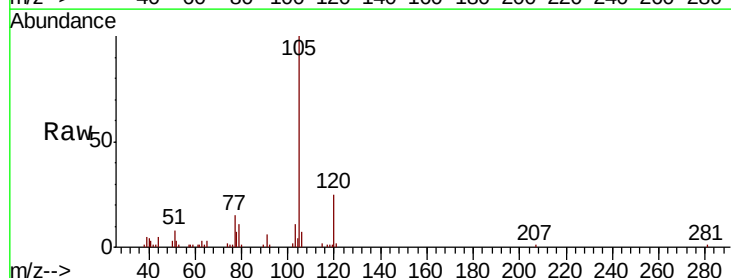
RT: 12.25 min Scan# 3258

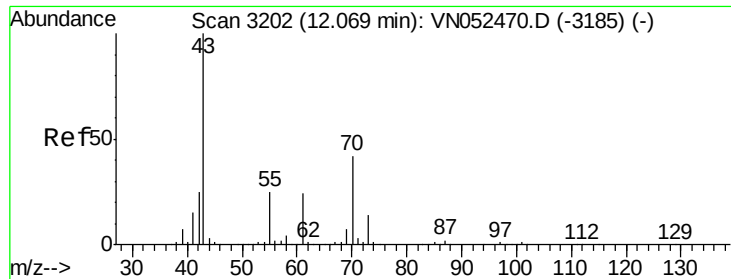
Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Tgt	Ion	105	Resp:	43386
	Ion	Ratio	Lower	Upper
	105	100		
	120	25.5	13.1	39.3





#74

N-ethyl acetate

Concen: 0.870 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

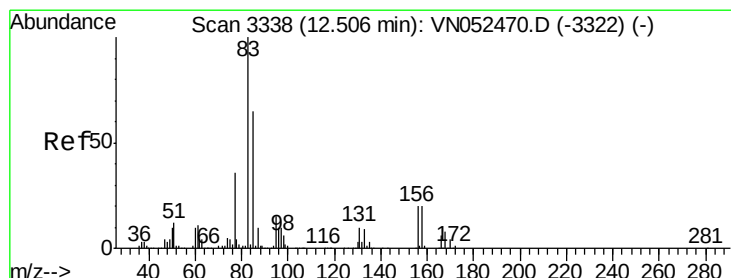
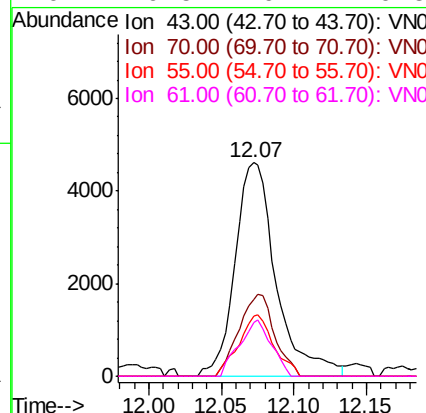
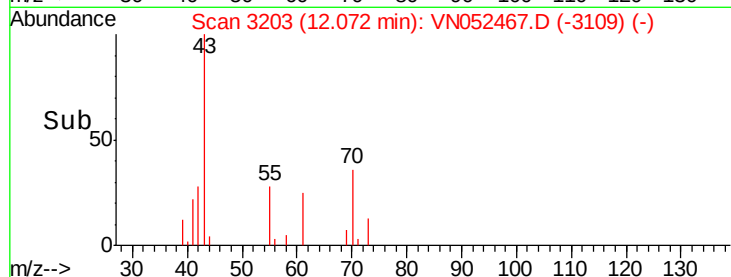
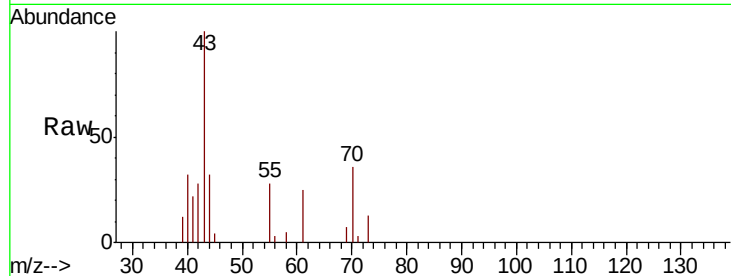
ClientSampleId :

VSTDIC001

Tgt Ion:	43	Resp:	9089
Ion	Ratio	Lower	Upper
43	100		
70	33.1	33.8	50.8#
55	24.3	20.0	30.0
61	20.5	19.7	29.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.026 ug/l

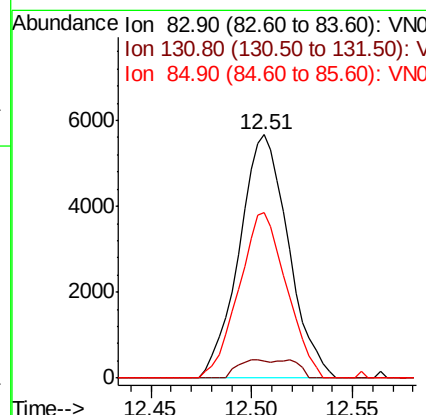
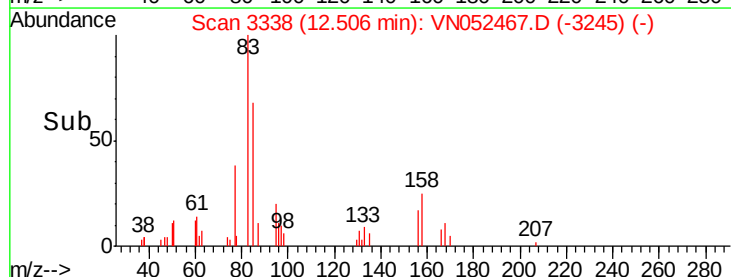
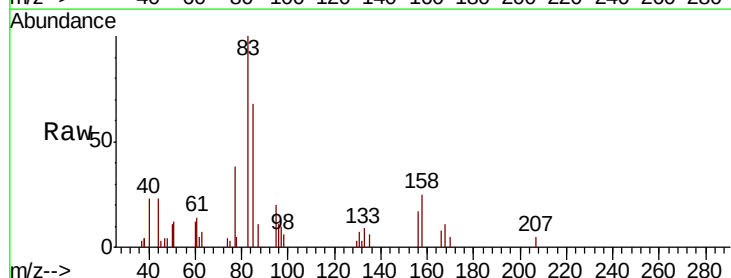
RT: 12.51 min Scan# 3338

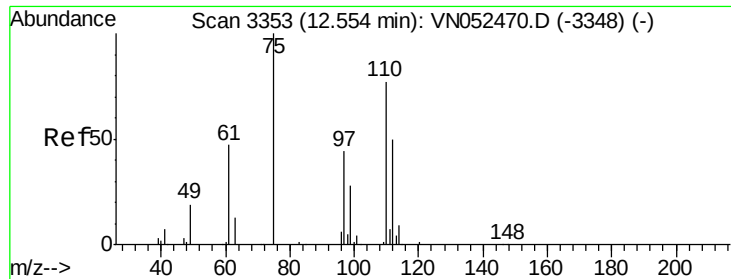
Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Tgt Ion:	83	Resp:	9653
Ion	Ratio	Lower	Upper
83	100		
131	5.1	5.0	15.0
85	65.9	31.9	95.9





#76

1,2,3-Trichloropropane

Concen: 1.132 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 8850

Ion Ratio Lower Upper

75 100

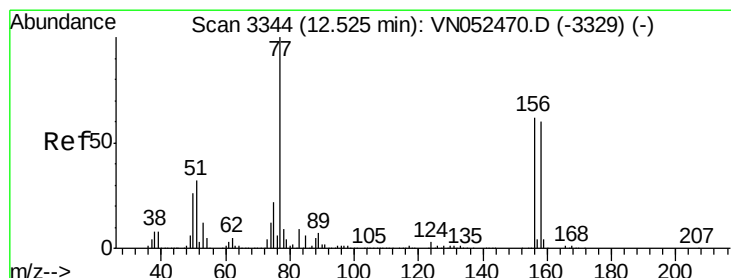
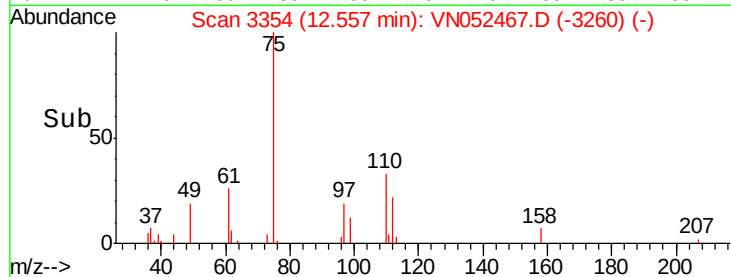
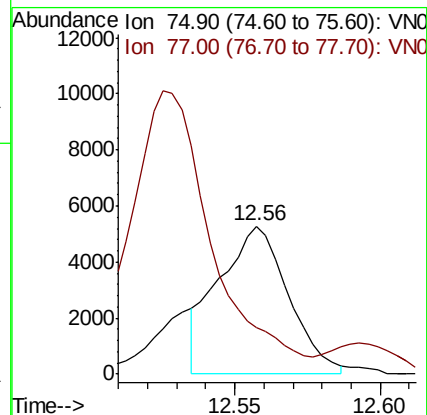
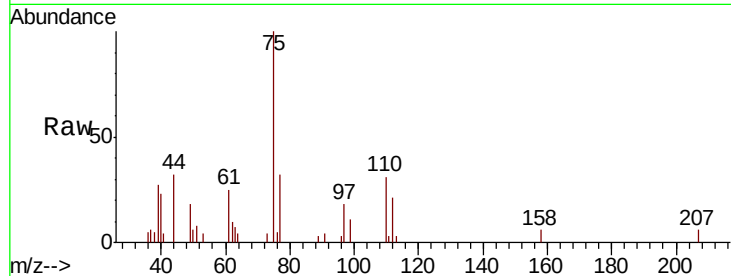
77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 1.053 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

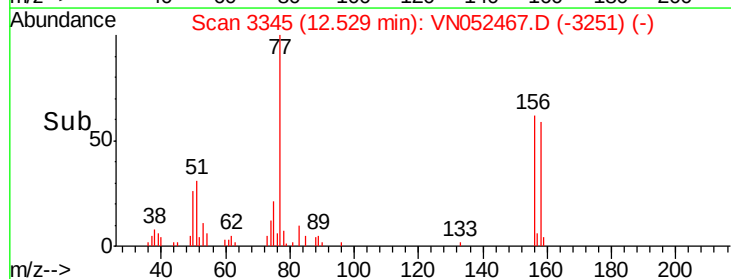
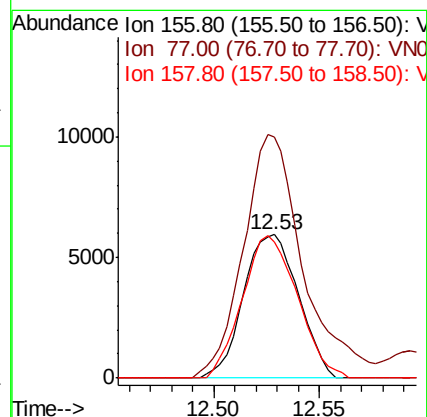
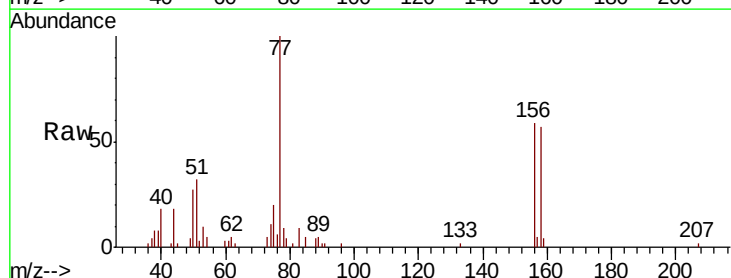
Tgt Ion: 156 Resp: 10761

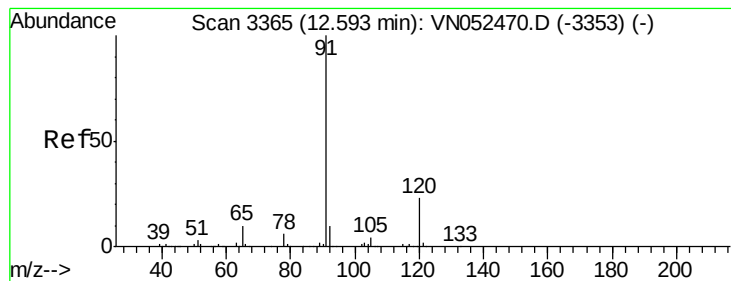
Ion Ratio Lower Upper

156 100

77 185.3 93.5 280.4

158 99.7 48.3 144.9





#78

n-propylbenzene

Concen: 0.975 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 45812

Ion Ratio Lower Upper

91 100

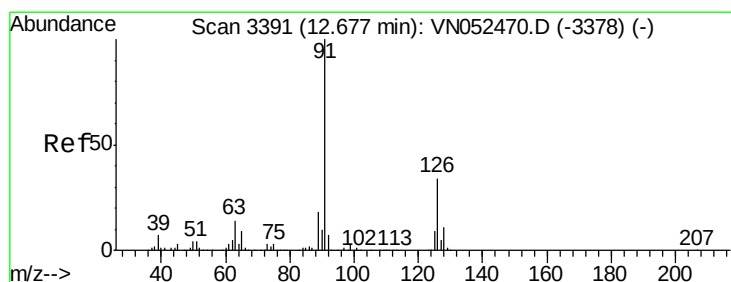
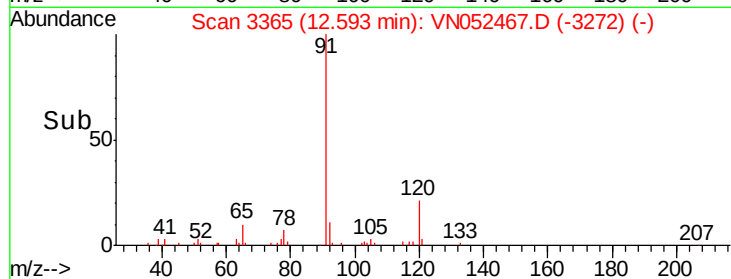
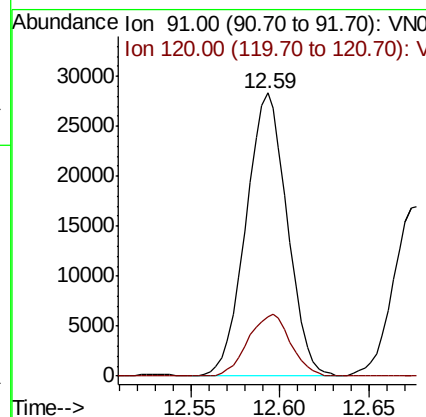
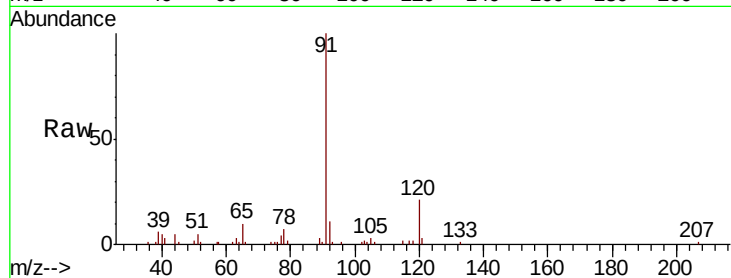
120 22.4 11.3 33.9

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#79

2-Chlorotoluene

Concen: 1.043 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052467.D

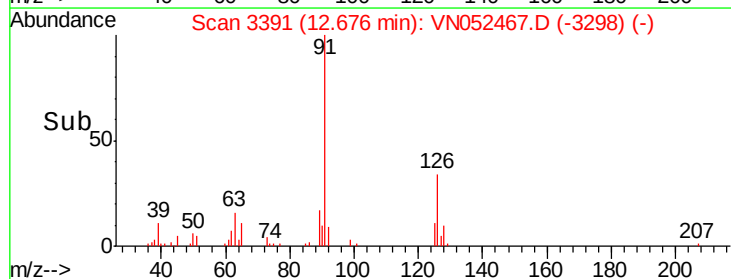
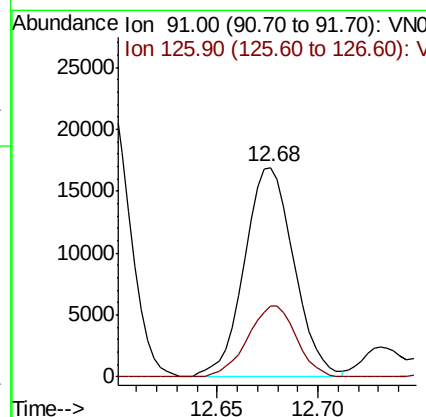
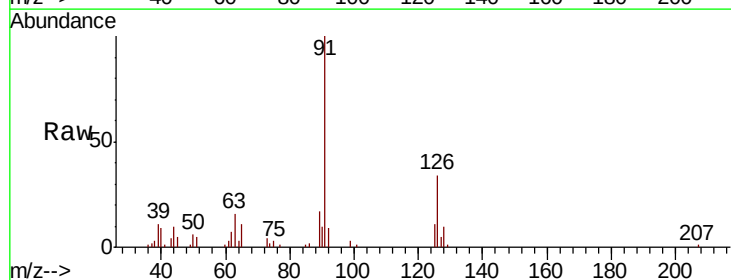
Acq: 27 Nov 2018 9:12

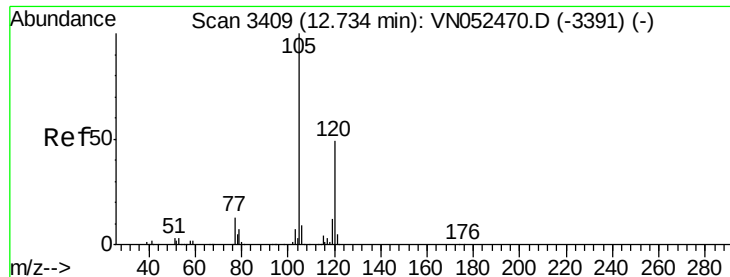
Tgt Ion: 91 Resp: 29163

Ion Ratio Lower Upper

91 100

126 33.1 17.2 51.6





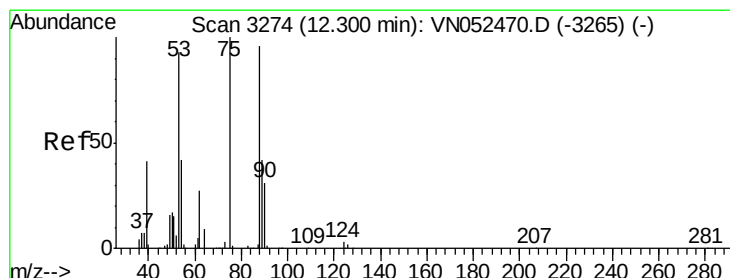
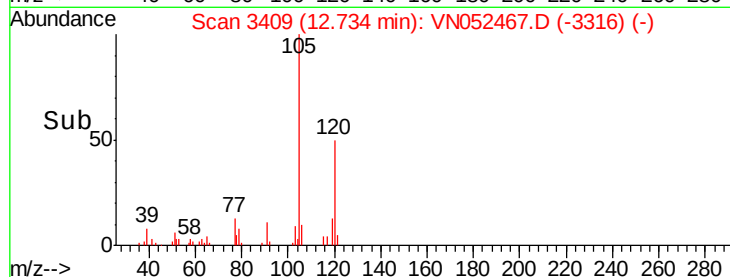
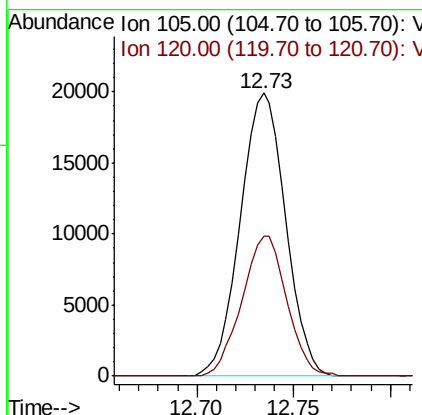
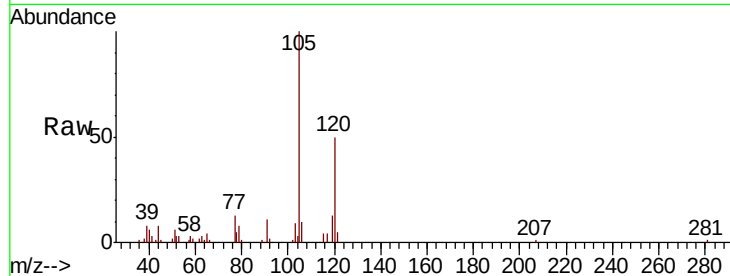
#80
 1,3,5-Trimethylbenzene
 Concen: 0.982 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 105 Resp: 32383
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.3 73.0

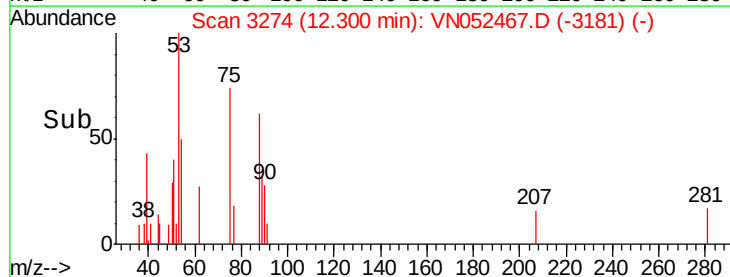
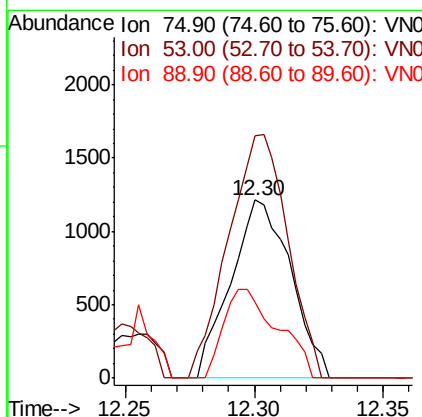
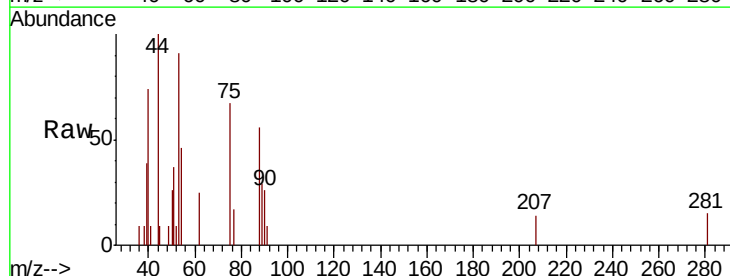
Manual Integrations
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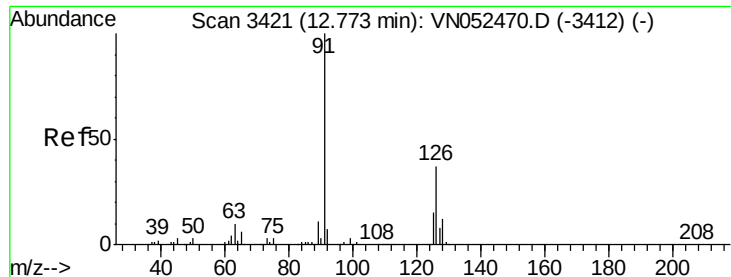
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.805 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion: 75 Resp: 1960
 Ion Ratio Lower Upper
 75 100
 53 135.4 77.4 116.0#
 89 45.2 35.4 53.2





#82

4-Chlorotoluene

Concen: 1.015 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 28609

Ion Ratio Lower Upper

91 100

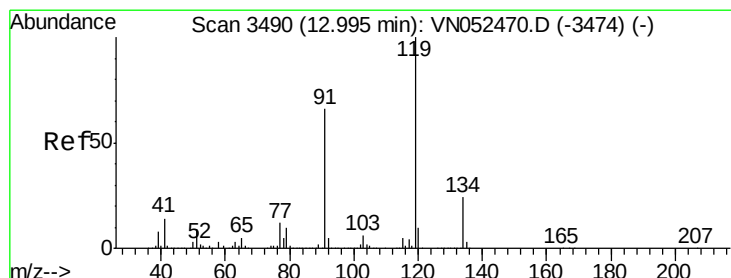
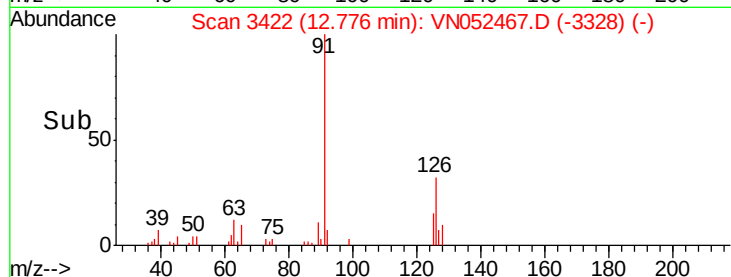
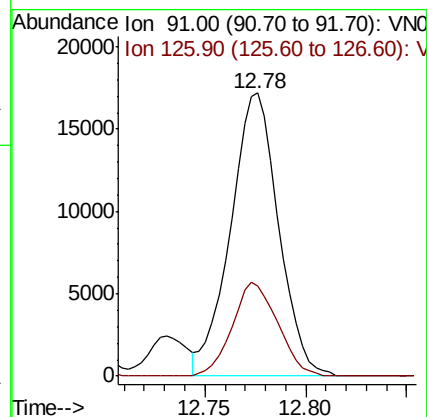
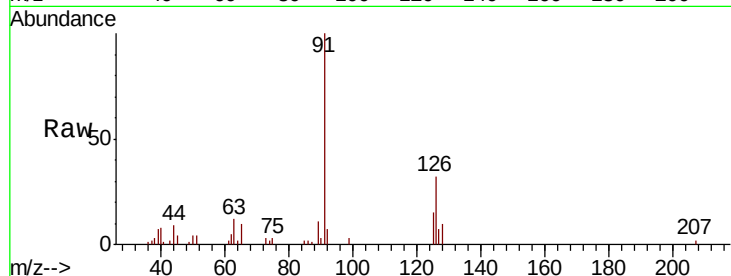
126 31.4 16.9 50.6

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#83

tert-Butylbenzene

Concen: 1.035 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

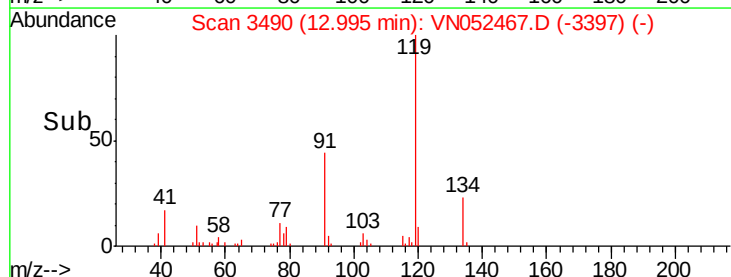
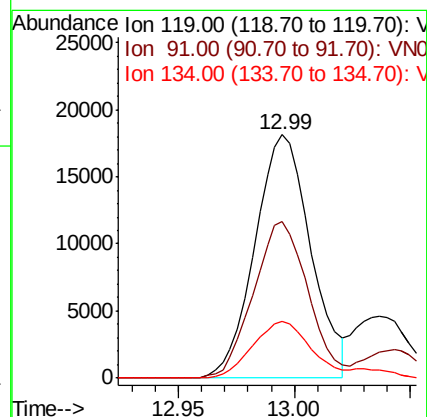
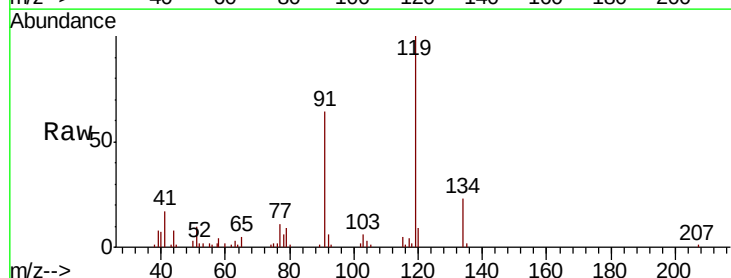
Tgt Ion: 119 Resp: 30433

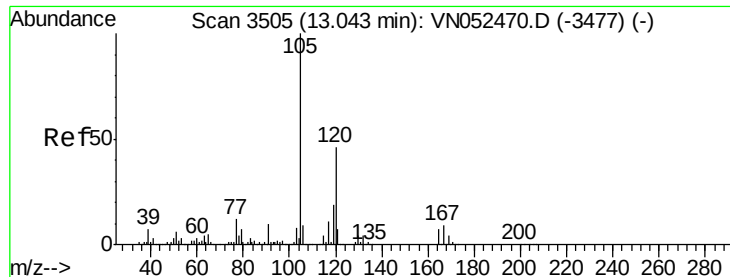
Ion Ratio Lower Upper

119 100

91 63.1 32.3 96.9

134 24.2 13.0 38.9





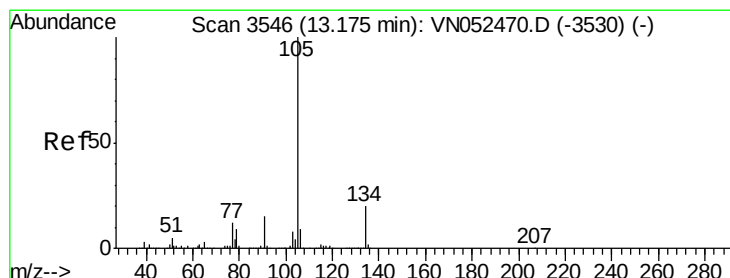
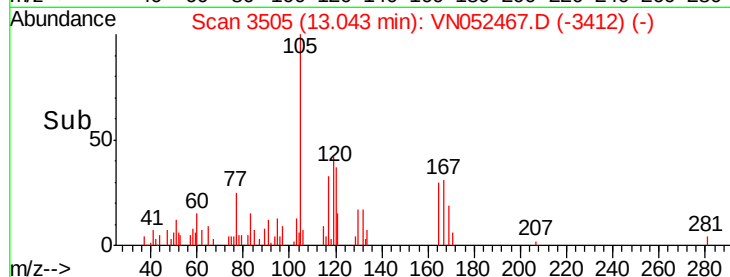
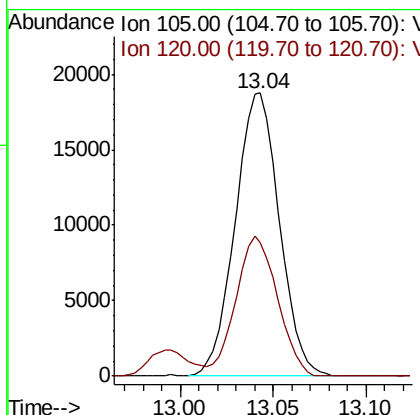
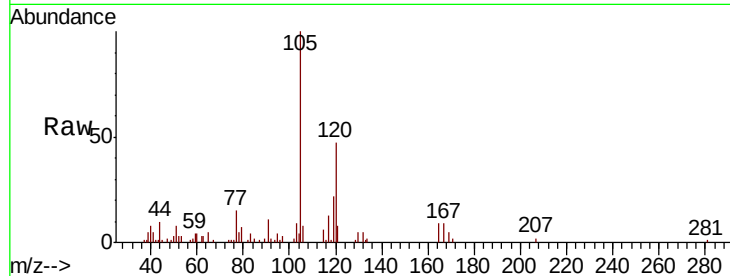
#84
 1,2,4-Trimethylbenzene
 Concen: 0.939 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 31019
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.8 68.4

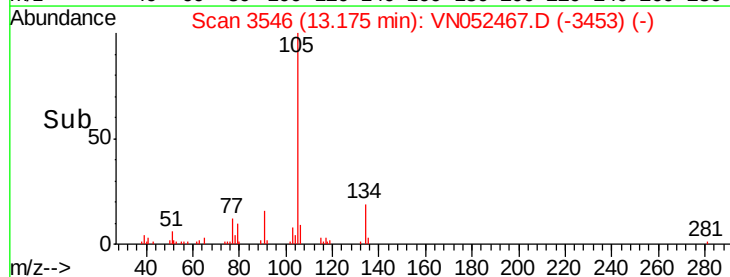
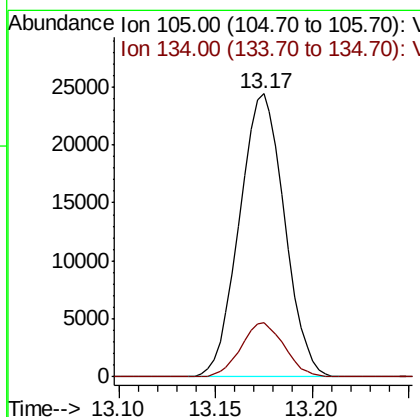
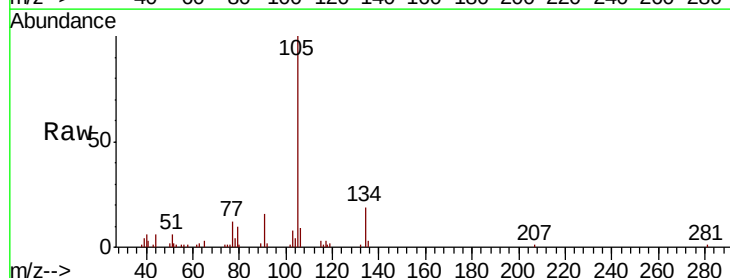
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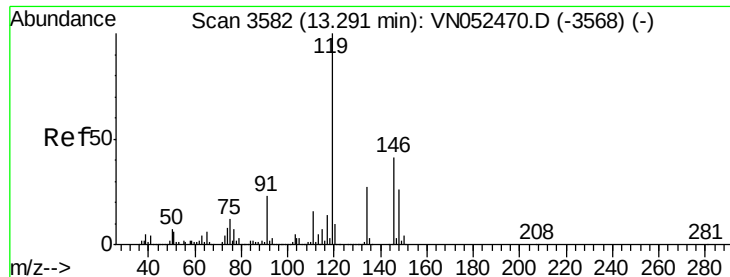
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#85
 sec-Butylbenzene
 Concen: 0.990 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion:105 Resp: 39620
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.9 29.7





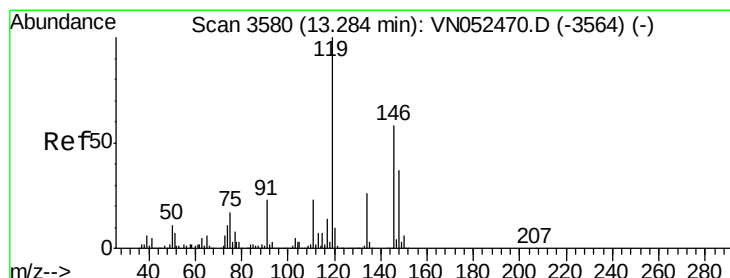
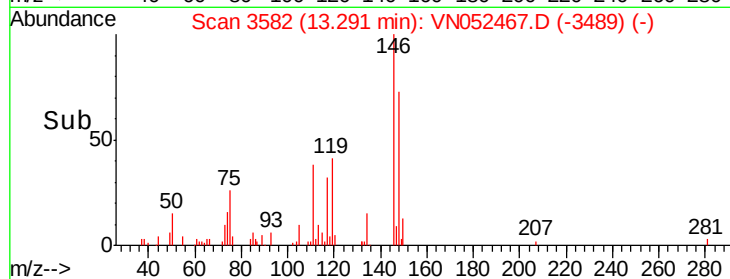
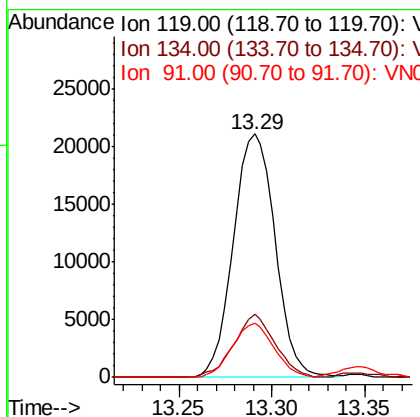
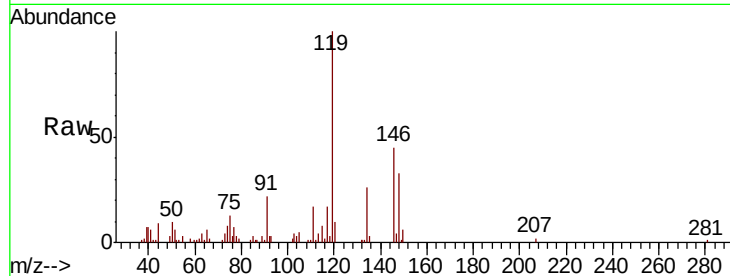
#86
p-Isopropyltoluene
Concen: 0.974 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.4	40.2
91	22.2	11.4	34.2

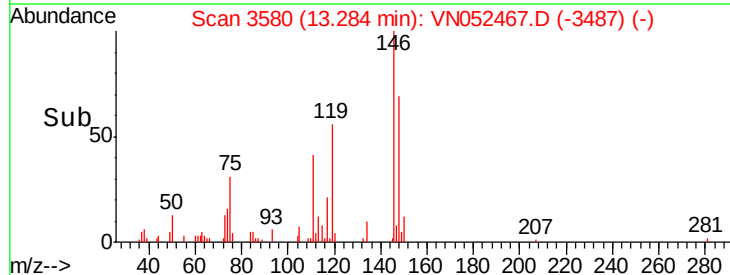
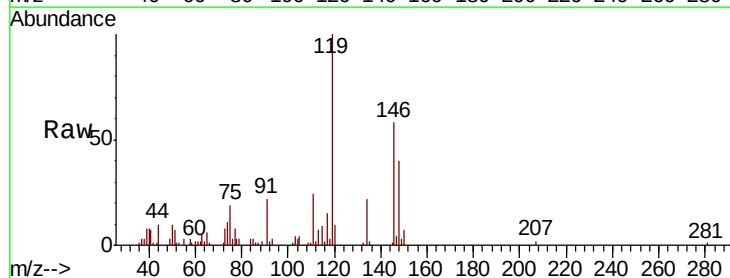
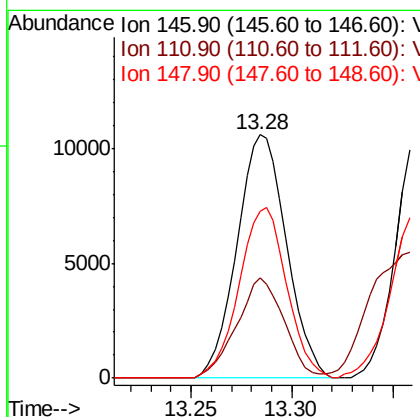
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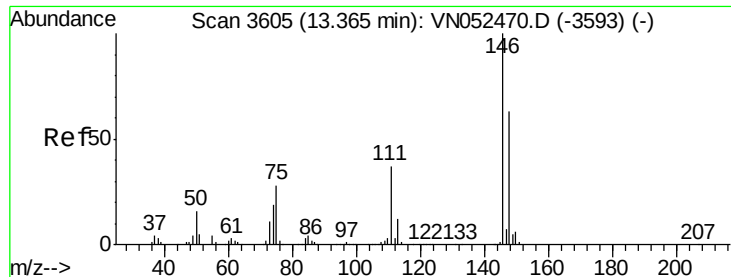
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#87
1,3-Dichlorobenzene
Concen: 1.015 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN052467.D
Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.4
148	67.4	31.8	95.4





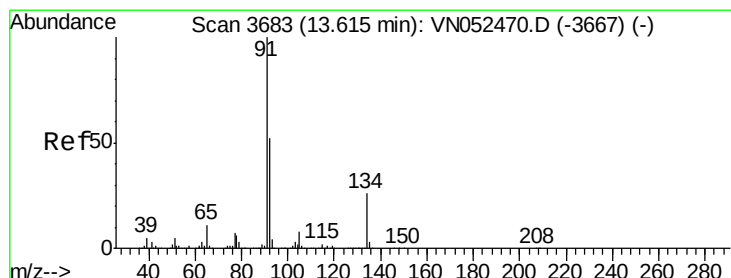
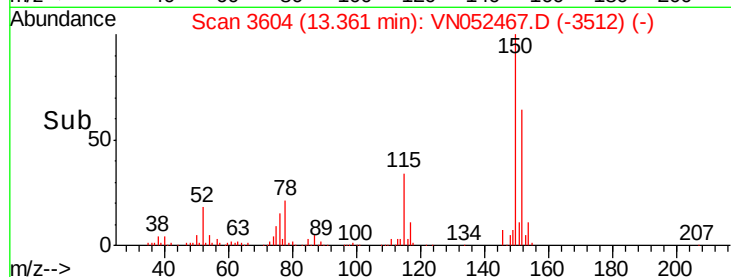
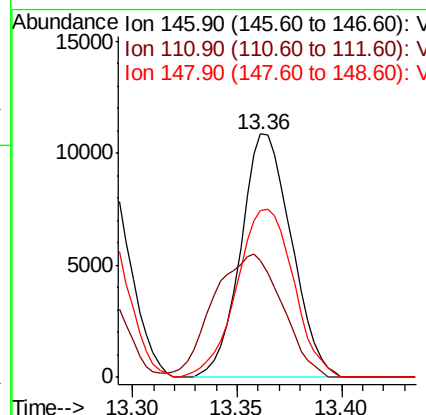
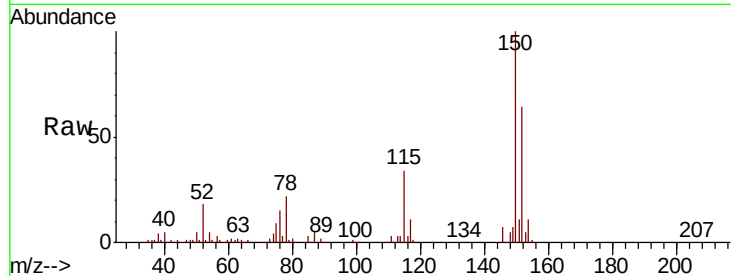
#88
 1,4-Dichlorobenzene
 Concen: 1.038 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	56.0
148	66.9	31.9	95.9

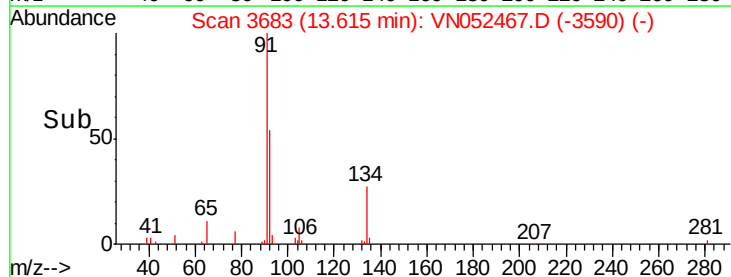
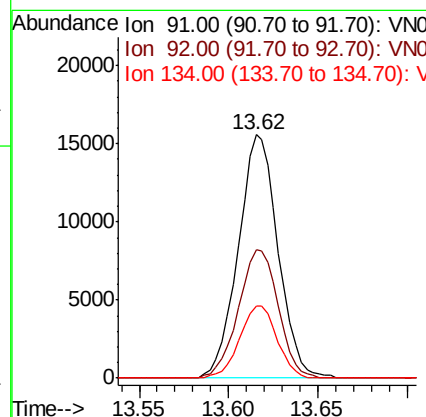
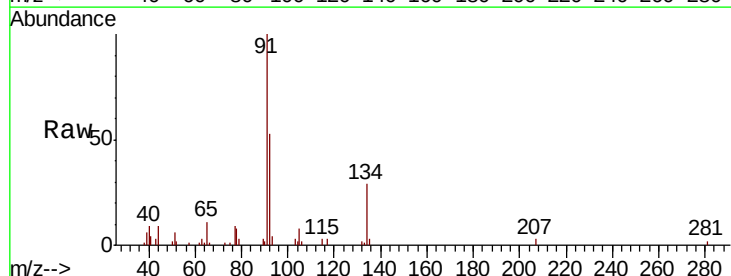
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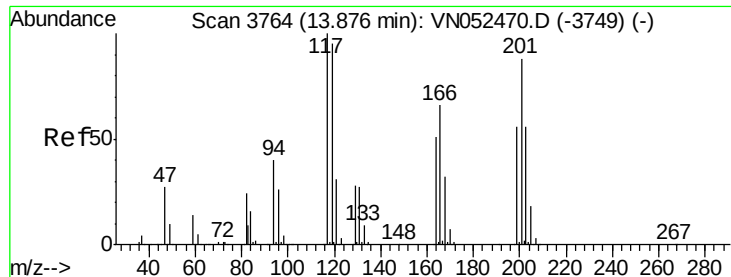
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#89
 n-Butylbenzene
 Concen: 0.852 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.1	78.3
134	27.8	13.0	38.9





#90

Hexachloroethane

Concen: 0.995 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 5743

Ion Ratio Lower Upper

117 100

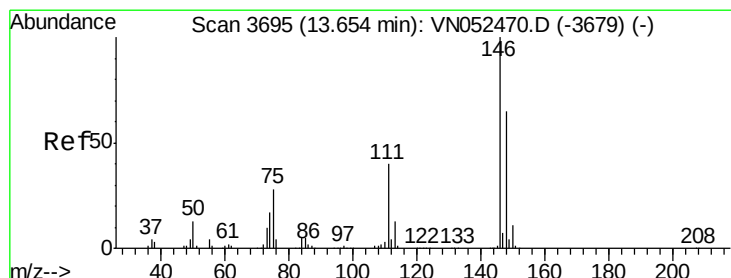
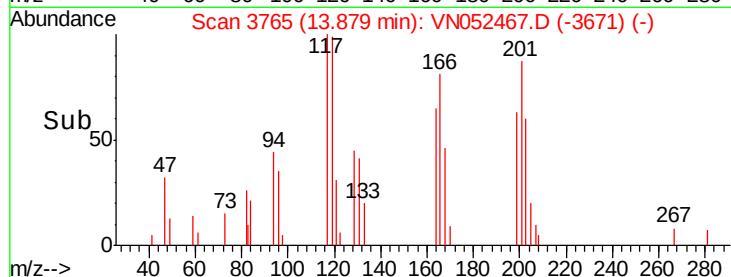
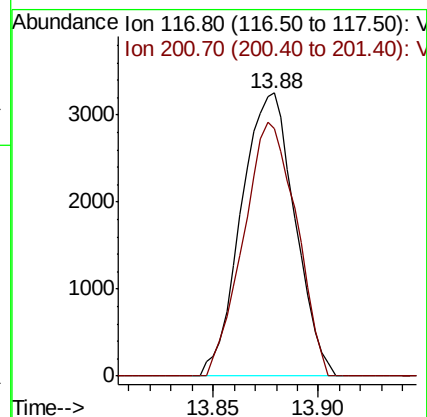
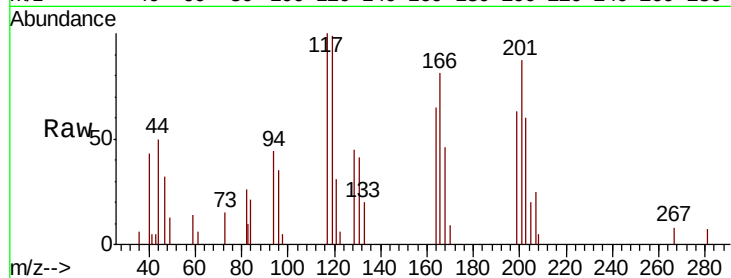
201 88.8 43.6 130.9

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#91

1,2-Dichlorobenzene

Concen: 1.035 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

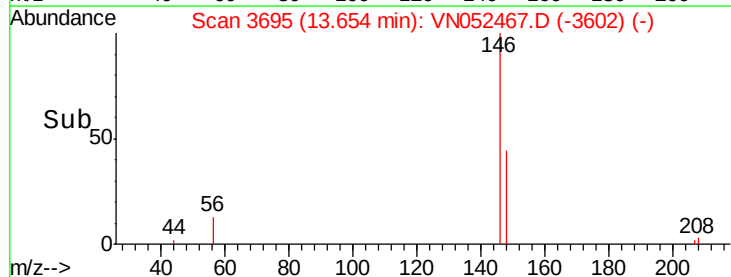
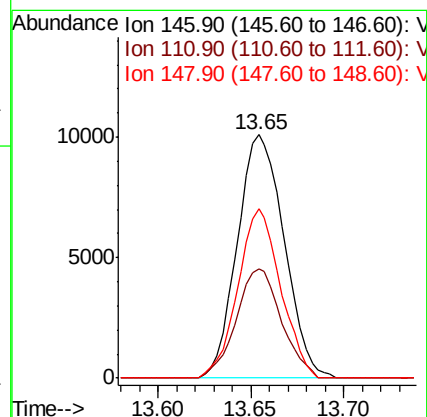
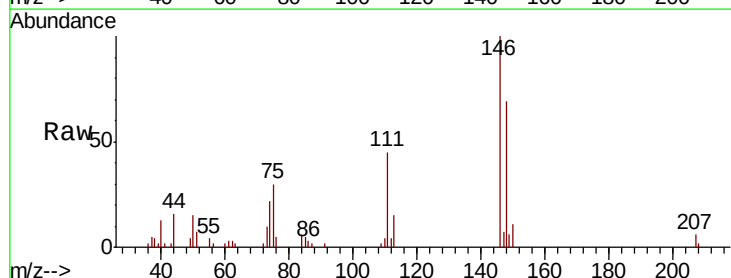
Tgt Ion:146 Resp: 17677

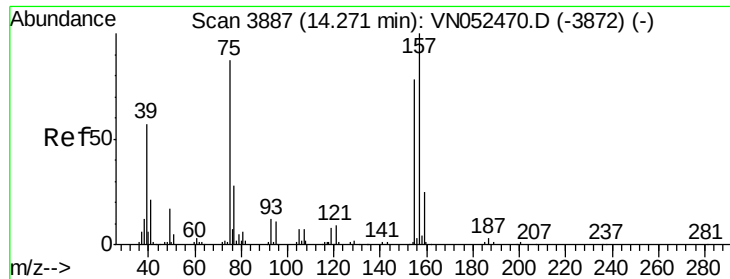
Ion Ratio Lower Upper

146 100

111 43.3 20.0 60.0

148 63.4 32.0 96.2





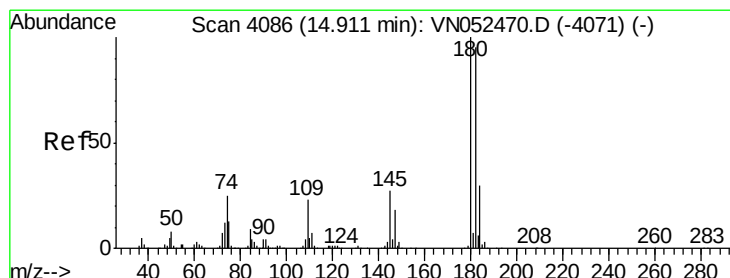
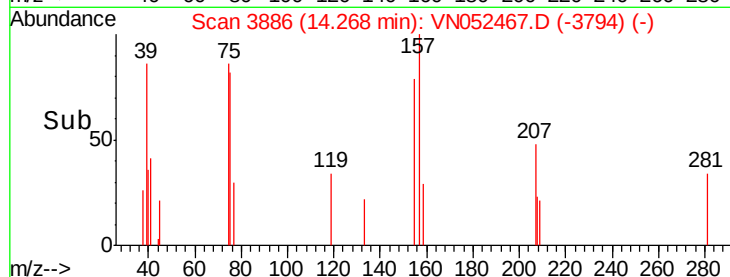
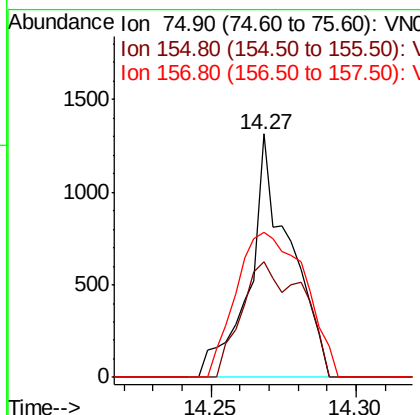
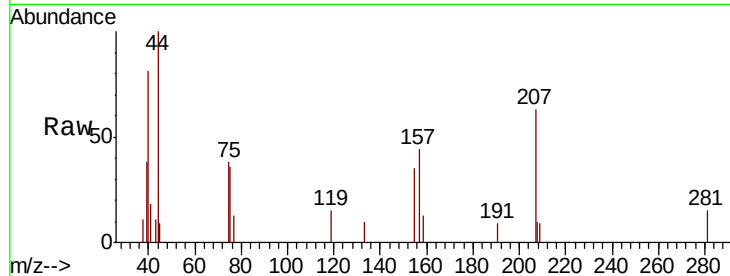
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.950 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.7	45.3	135.9
157	100.9	58.1	174.2

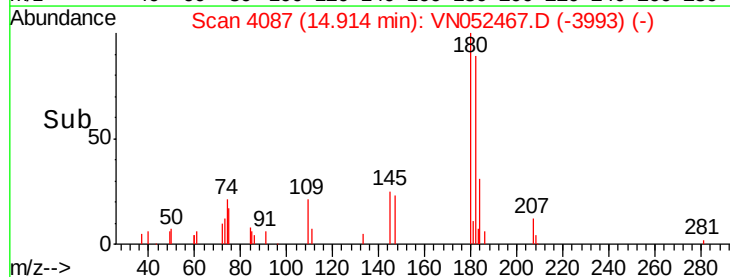
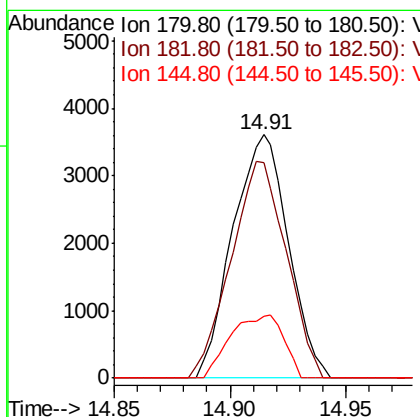
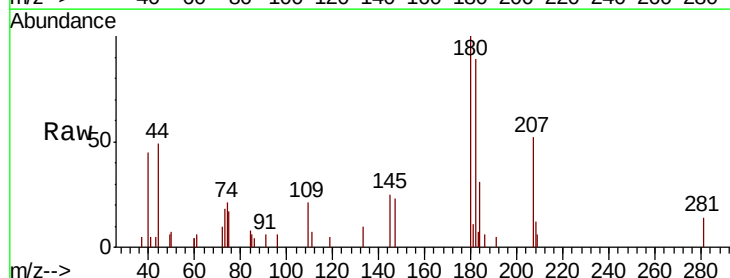
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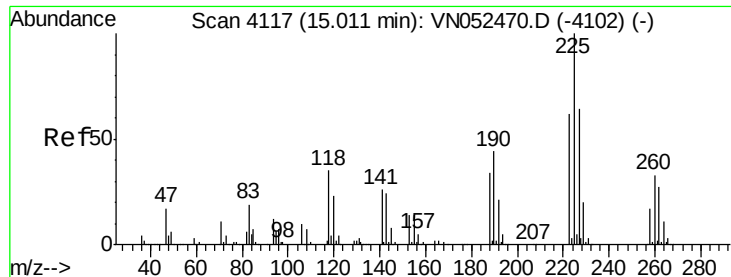
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.743 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.7	47.8	143.4
145	24.8	14.1	42.3





#94

Hexachlorobutadiene

Concen: 1.100 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Instrument :

MSVOA_N

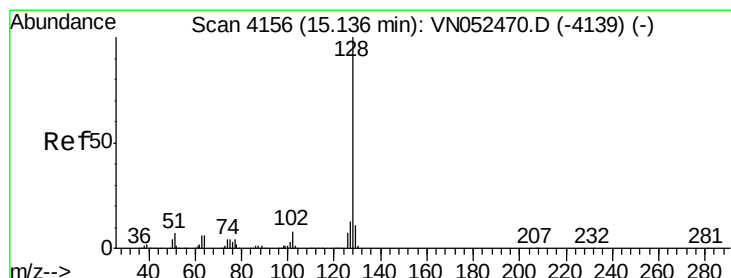
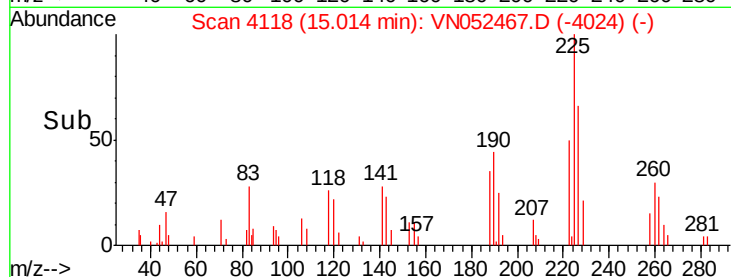
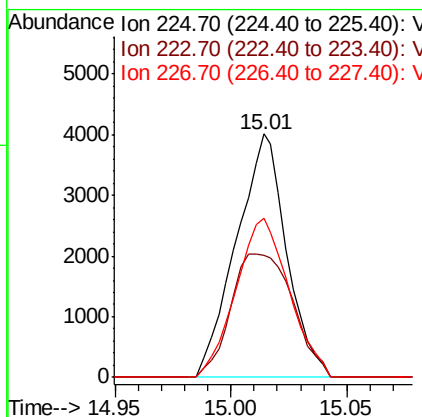
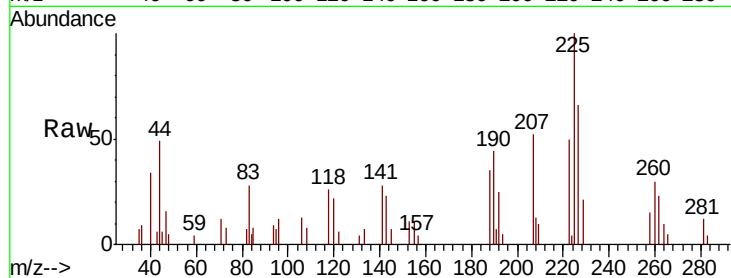
ClientSampleId :

VSTDIC001

Tgt Ion:	225	Resp:	6045
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.2
227	69.2	32.5	97.4

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#95

Naphthalene

Concen: 0.707 ug/l

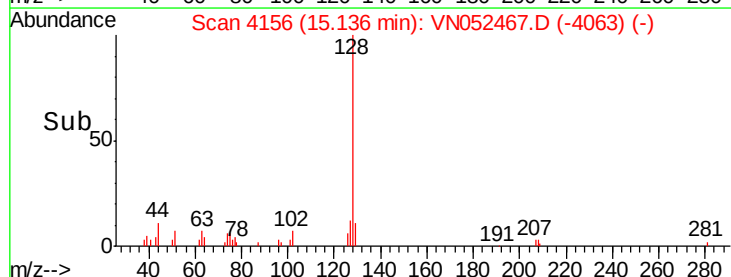
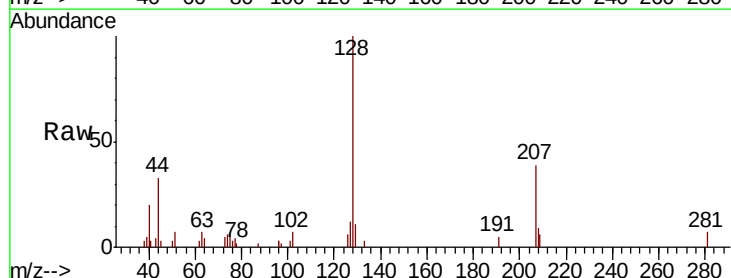
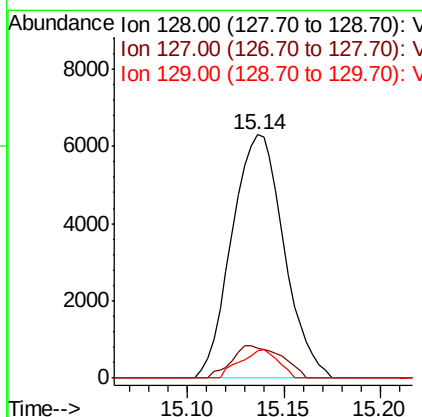
RT: 15.14 min Scan# 4156

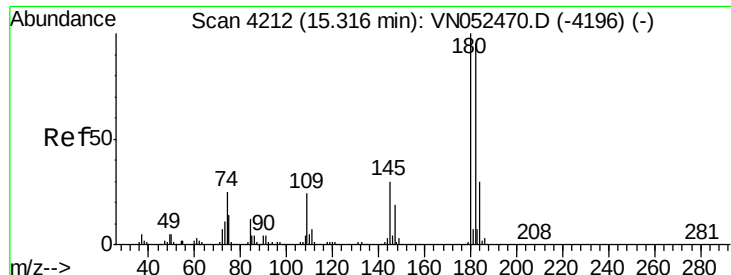
Delta R.T. -0.00 min

Lab File: VN052467.D

Acq: 27 Nov 2018 9:12

Tgt Ion:	128	Resp:	11790
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	8.5	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.780 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052467.D
 Acq: 27 Nov 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:	180	Resp:	5880
Ion Ratio	Lower	Upper	
180	100		
182	91.1	47.8	143.3
145	28.5	15.2	45.5

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