

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059470.D
 Acq On : 3 Dec 2019 14:47
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/4/2019 9:22:10 AM

Quant Time: Dec 03 15:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	361083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	569310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	512696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	448417	104.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.96%	
35) Dibromofluoromethane	7.57	113	359848	103.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.50%	
50) Toluene-d8	10.08	98	1417667	101.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.94%	
62) 4-Bromofluorobenzene	12.40	95	506754	104.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	375374	90.431	ug/l	99
3) Chloromethane	2.04	50	502346	96.770	ug/l	99
4) Vinyl Chloride	2.17	62	306849	66.170	ug/l	99
5) Bromomethane	2.53	94	192603	69.423	ug/l	99
6) Chloroethane	2.67	64	180302	68.614	ug/l	98
7) Trichlorofluoromethane	2.99	101	385444	68.962	ug/l	97
8) Diethyl Ether	3.39	74	250428	102.971	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	374173	101.984	ug/l	99
10) Methyl Iodide	3.92	142	512245	106.658	ug/l	99
11) Tert butyl alcohol	4.76	59	417236	555.916	ug/l	99
12) 1,1-Dichloroethene	3.71	96	371097	103.229	ug/l	99
13) Acrolein	3.58	56	366653	514.790	ug/l	99
14) Allyl chloride	4.29	41	727403	108.135	ug/l	99
15) Acrylonitrile	4.95	53	1168155	558.237	ug/l	100
16) Acetone	3.79	43	1257200	607.130	ug/l	100
17) Carbon Disulfide	4.03	76	1190079	96.288	ug/l	100
18) Methyl Acetate	4.29	43	594890	105.824	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1298572	110.823	ug/l	99
20) Methylene Chloride	4.52	84	418977	101.034	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	412306	104.983	ug/l	100
22) Diisopropyl ether	5.92	45	1407322	112.109	ug/l	97
23) Vinyl Acetate	5.86	43	5706080	560.602	ug/l	98
24) 1,1-Dichloroethane	5.82	63	776350	107.752	ug/l	99
25) 2-Butanone	6.81	43	1706290	597.615	ug/l	99
26) 2,2-Dichloropropane	6.80	77	667375	108.694	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	462201	107.261	ug/l	100
28) Bromochloromethane	7.17	49	314671	128.094	ug/l	100
29) Tetrahydrofuran	7.19	42	1074938	566.121	ug/l	100
30) Chloroform	7.35	83	740469	102.256	ug/l	99
31) Cyclohexane	7.63	56	737315	102.116	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	645998	108.992	ug/l	100
36) 1,1-Dichloropropene	7.77	75	599781	108.335	ug/l	99
37) Ethyl Acetate	6.90	43	656257	109.936	ug/l	99
38) Carbon Tetrachloride	7.75	117	579434	110.334	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	740764	111.759	ug/l	99
40) Benzene	8.02	78	1748949	106.238	ug/l	98
41) Methacrylonitrile	7.15	41	281291m	101.506	ug/l	
42) 1,2-Dichloroethane	8.10	62	590374	112.243	ug/l	100
43) Isopropyl Acetate	8.14	43	1042350	115.479	ug/l	100
44) Trichloroethene	8.82	130	447706	106.857	ug/l	100
45) 1,2-Dichloropropane	9.10	63	470558	109.240	ug/l	99
46) Dibromomethane	9.19	93	293471	110.220	ug/l	99
47) Bromodichloromethane	9.39	83	597002	110.827	ug/l	100
48) Methyl methacrylate	9.18	41	470340	117.156	ug/l	100
49) 1,4-Dioxane	9.19	88	129663	2276.691	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2976609	564.283	ug/l	97
52) Toluene	10.15	92	1071902	108.860	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	700687	113.081	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	755916	113.441	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	414818	107.189	ug/l	99
56) Ethyl methacrylate	10.42	69	684815	121.181	ug/l	99
57) 1,3-Dichloropropane	10.70	76	728306	109.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1172959	719.889	ug/l	99
59) 2-Hexanone	10.74	43	2286734	583.107	ug/l	98
60) Dibromochloromethane	10.90	129	461767	114.752	ug/l	100
61) 1,2-Dibromoethane	11.00	107	440921	111.192	ug/l	100
64) Tetrachloroethene	10.63	164	421264	109.622	ug/l	99
65) Chlorobenzene	11.43	112	1110527	105.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	414682	108.837	ug/l	100
67) Ethyl Benzene	11.51	91	2010366	108.778	ug/l	98
68) m/p-Xylenes	11.62	106	1522544	220.135	ug/l	96
69) o-Xylene	11.95	106	718009	108.695	ug/l	99
70) Styrene	11.96	104	1213053	117.101	ug/l	99
71) Bromoform	12.13	173	339569	116.465	ug/l #	100
73) Isopropylbenzene	12.25	105	1927807	105.833	ug/l	99
74) N-amyl acetate	12.07	43	836848	120.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	612510	102.454	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	550297m	97.506	ug/l	
77) Bromobenzene	12.53	156	464901	104.287	ug/l	99
78) n-propylbenzene	12.59	91	2249991	106.924	ug/l	99
79) 2-Chlorotoluene	12.67	91	1328080	105.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1626680	106.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	242529	110.929	ug/l	98
82) 4-Chlorotoluene	12.77	91	1377819	106.418	ug/l	100
83) tert-Butylbenzene	12.99	119	1392171	105.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1604540	106.918	ug/l	99
85) sec-Butylbenzene	13.17	105	1875437	107.236	ug/l	99
86) p-Isopropyltoluene	13.29	119	1701340	107.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835768	105.848	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	826054	104.063	ug/l	100
89) n-Butylbenzene	13.62	91	1559452	112.760	ug/l	98
90) Hexachloroethane	13.88	117	316639	104.647	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	787731	101.809	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129998	95.737	ug/l	99

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VSTDICC100

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Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	533746	112.049	ug/l	99
94) Hexachlorobutadiene	15.01	225	283337	96.108	ug/l	99
95) Naphthalene	15.13	128	1479642	109.017	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	528276	104.224	ug/l	99

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

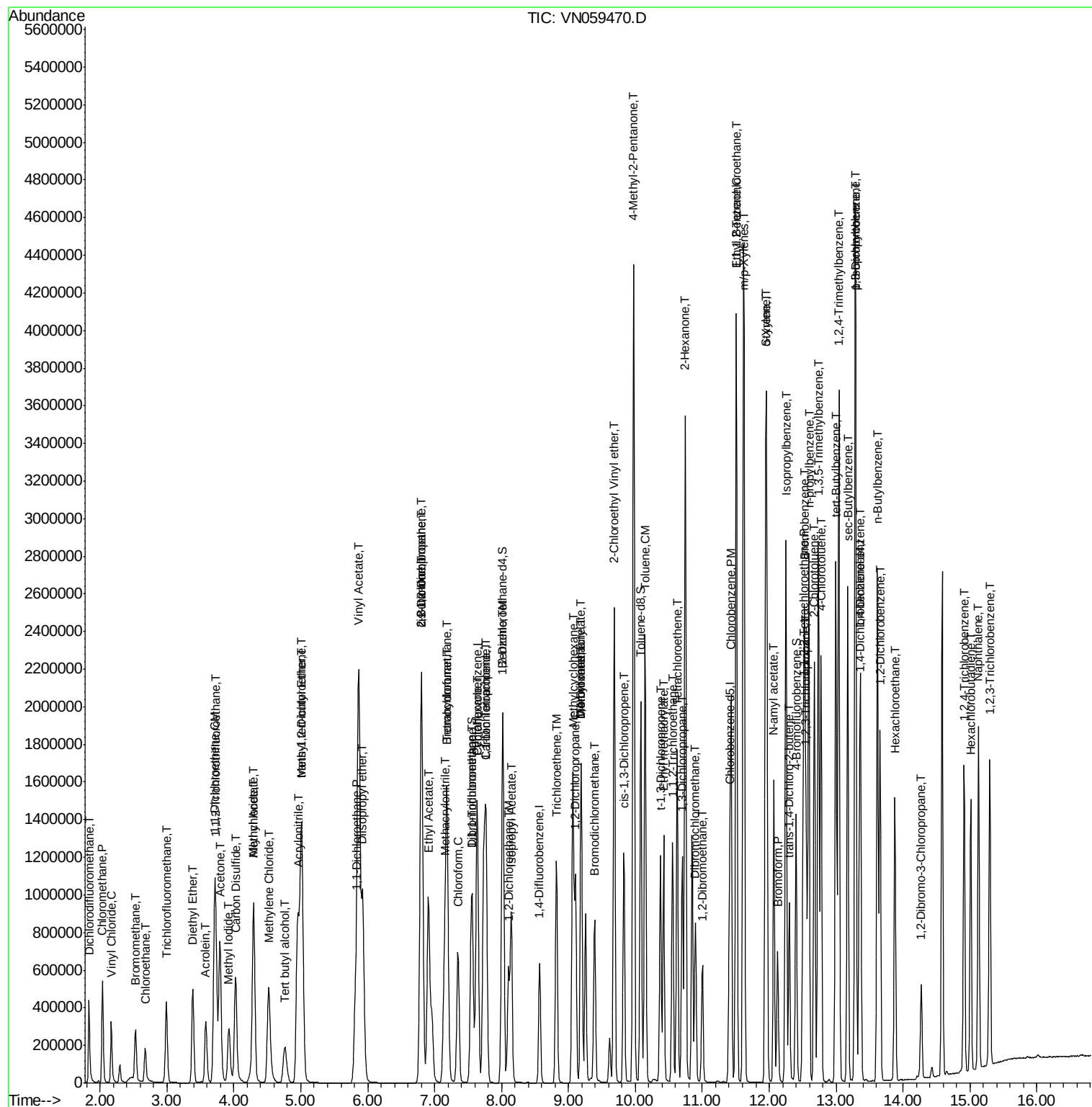
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 Data File : VN059470.D
 Acq On : 3 Dec 2019 14:47
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

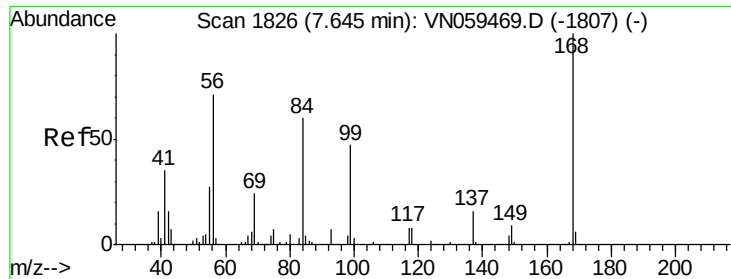
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 361083

Ion Ratio Lower Upper

168 100

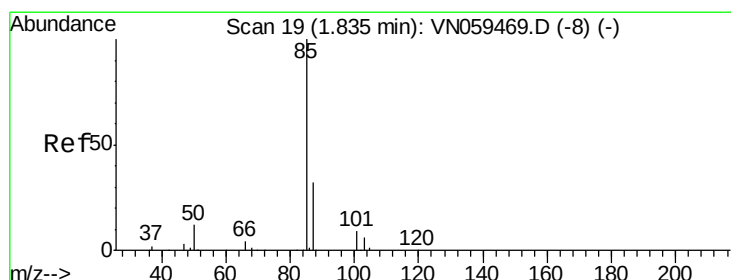
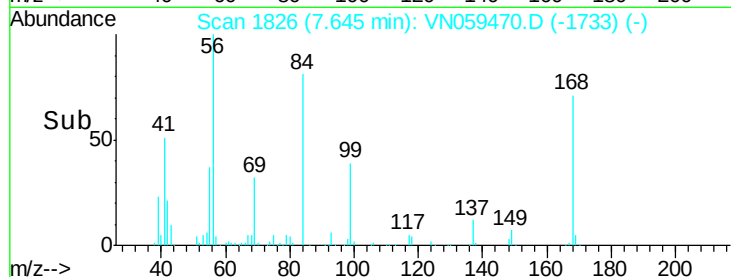
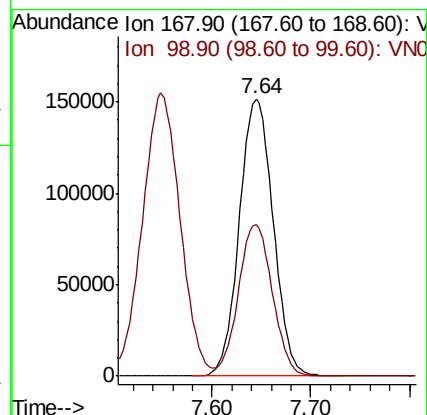
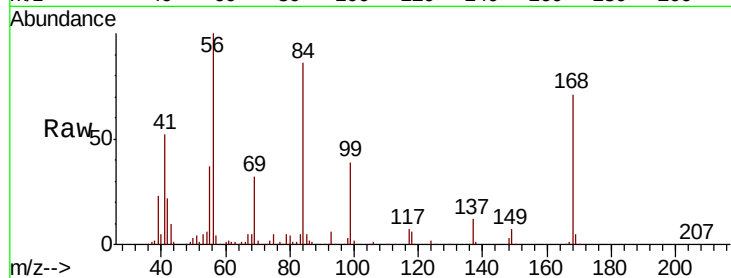
99 54.5 43.4 65.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 90.431 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059470.D

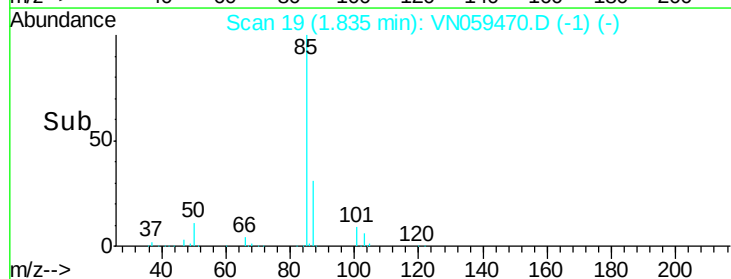
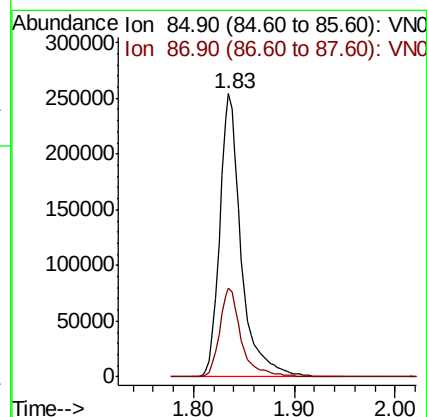
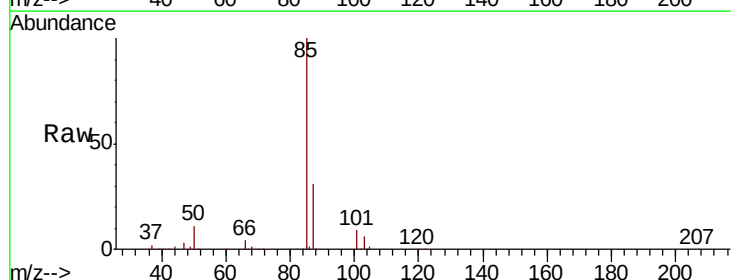
Acq: 3 Dec 2019 14:47

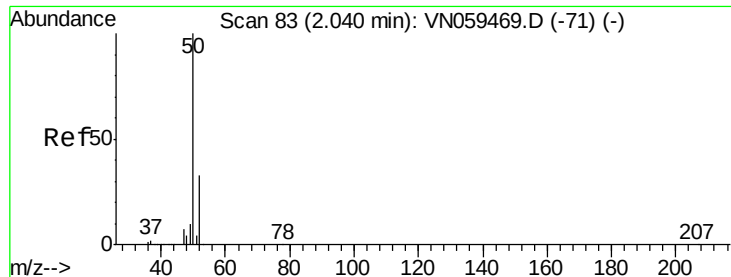
Tgt Ion: 85 Resp: 375374

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.3





#3

Chloromethane

Concen: 96.770 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 502346

Ion Ratio Lower Upper

50 100

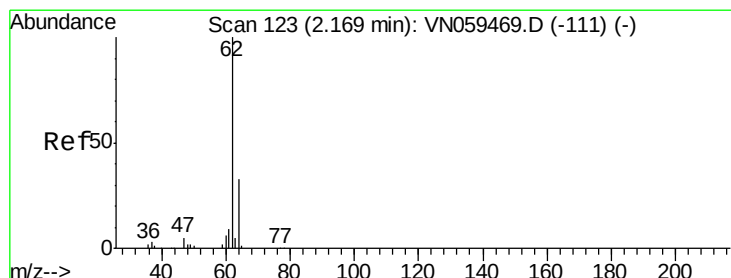
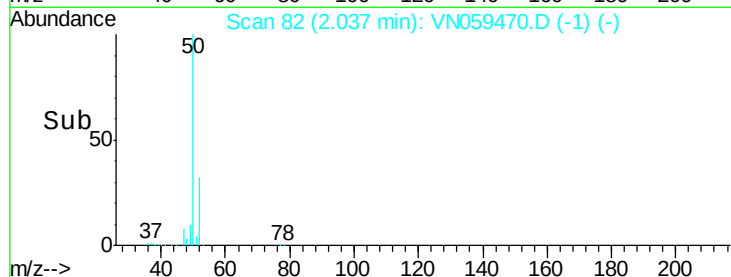
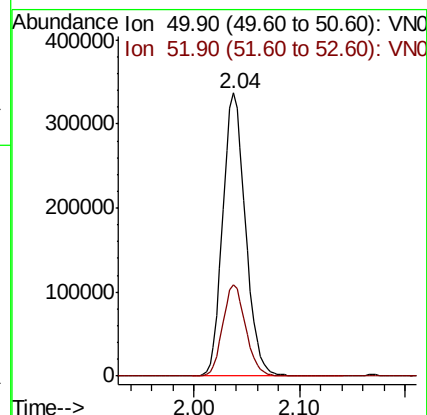
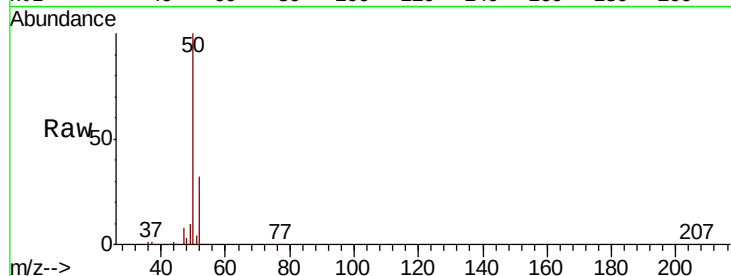
52 32.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 66.170 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059470.D

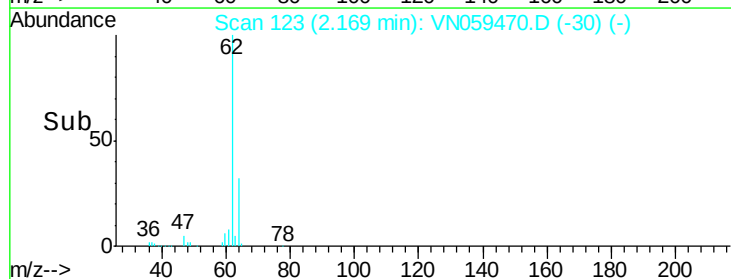
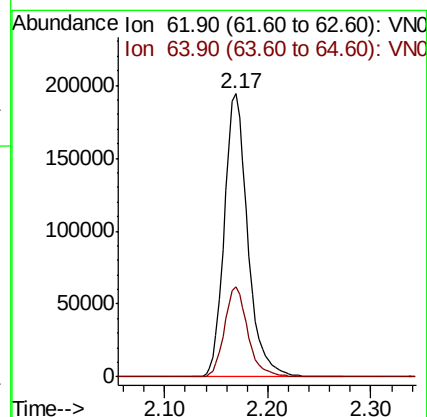
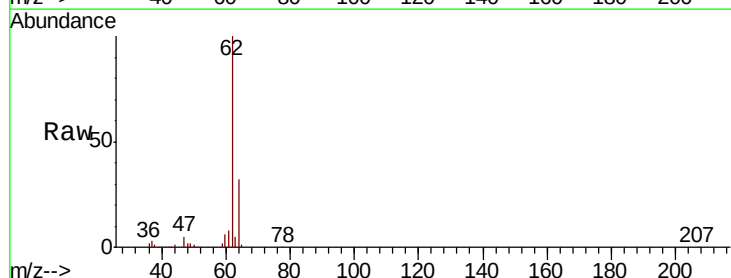
Acq: 3 Dec 2019 14:47

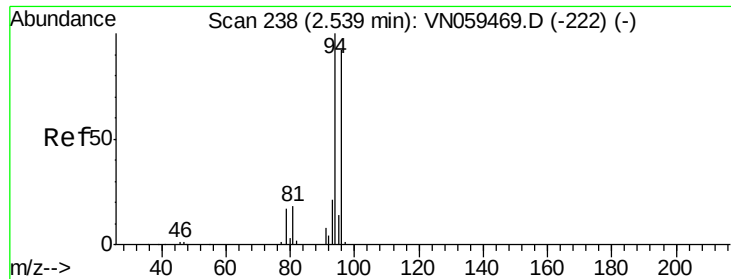
Tgt Ion: 62 Resp: 306849

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 69.423 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 192603

Ion Ratio Lower Upper

94 100

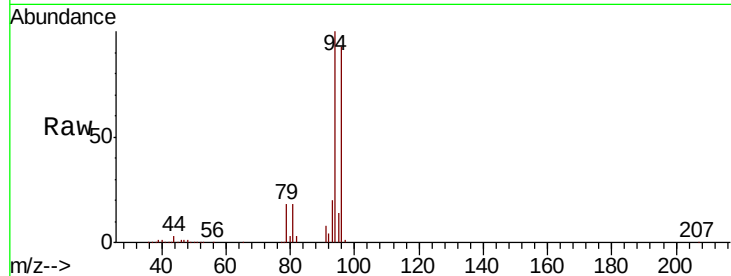
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Manual Integrations

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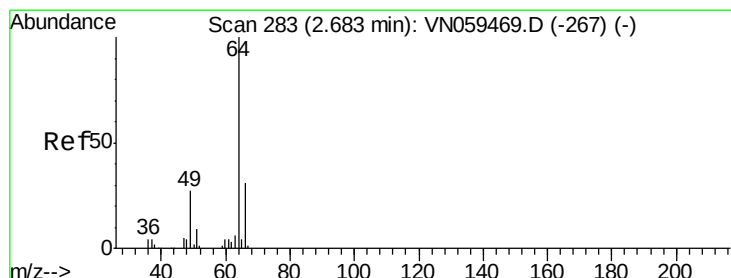
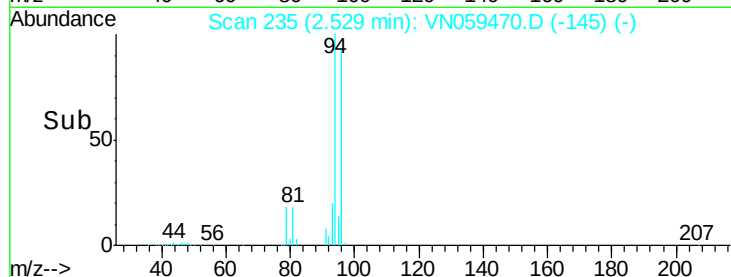
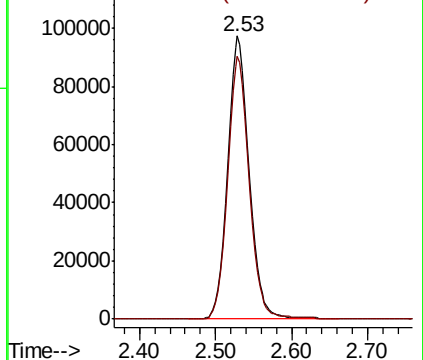
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 68.614 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059470.D

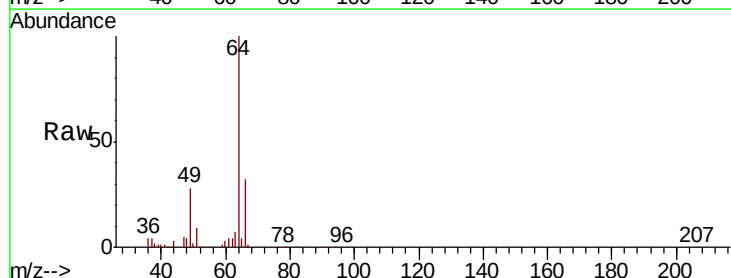
Acq: 3 Dec 2019 14:47

Tgt Ion: 64 Resp: 180302

Ion Ratio Lower Upper

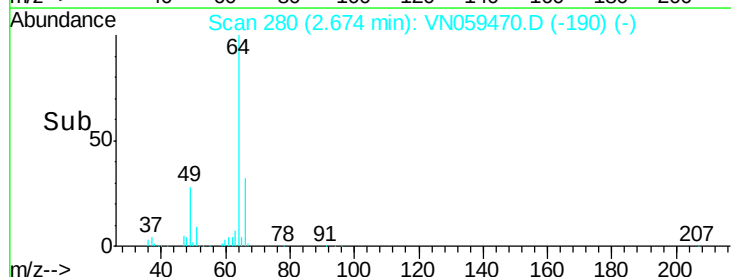
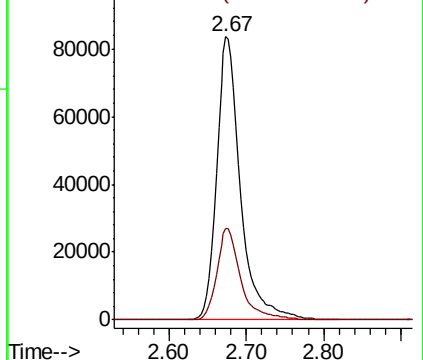
64 100

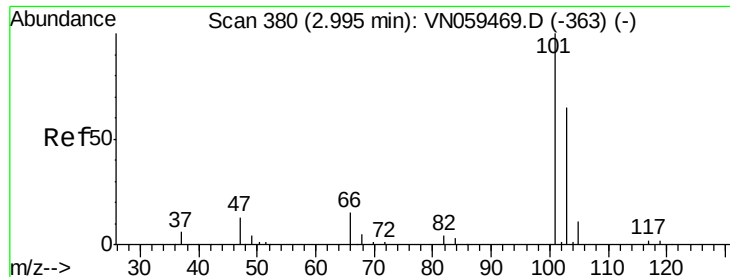
66 32.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

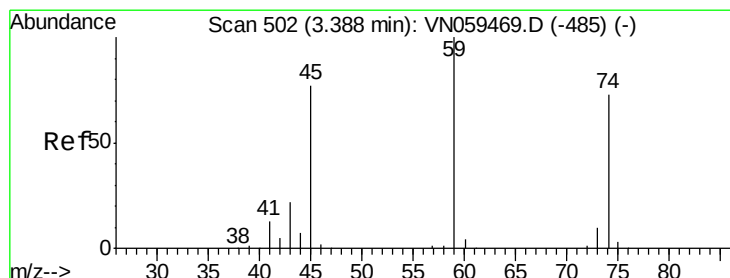
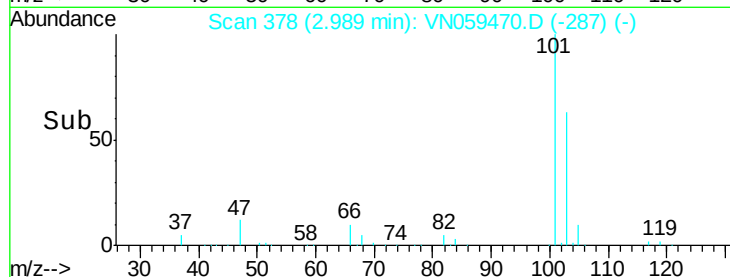
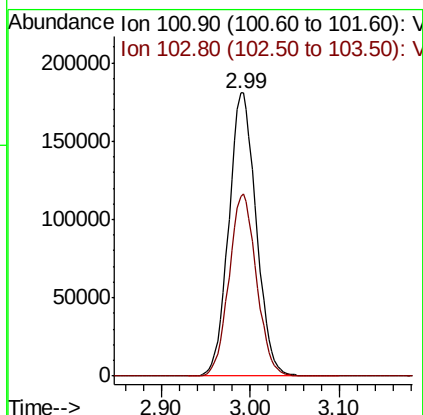
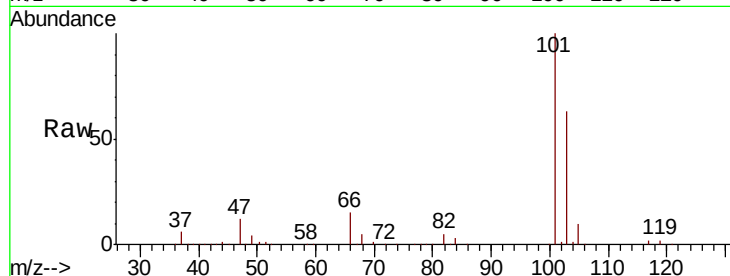
Trichlorofluoromethane
Concen: 68.962 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		385444		
103	63.4	52.4		78.6	

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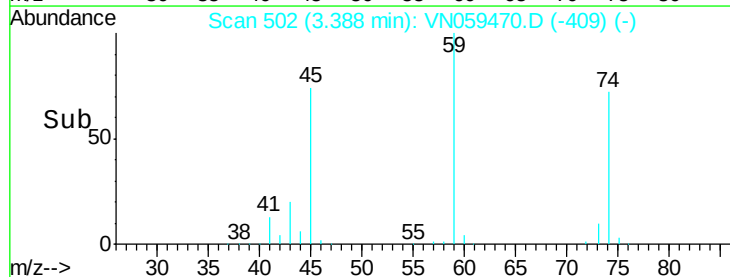
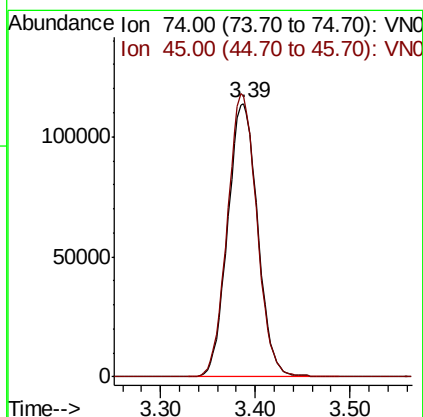
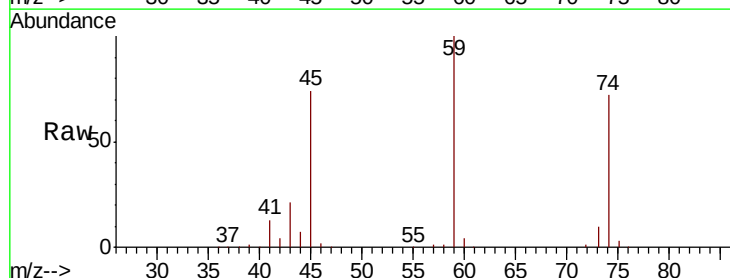
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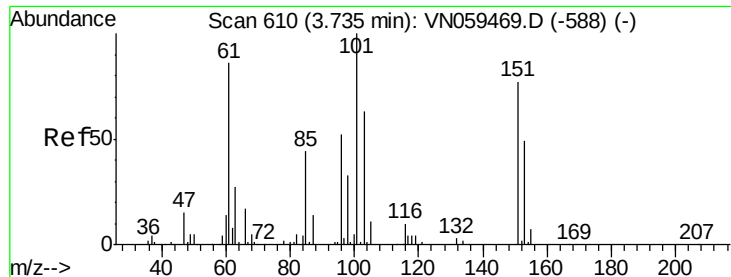


#8

Diethyl Ether
Concen: 102.971 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		250428		
45	102.4	52.3		157.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.984 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

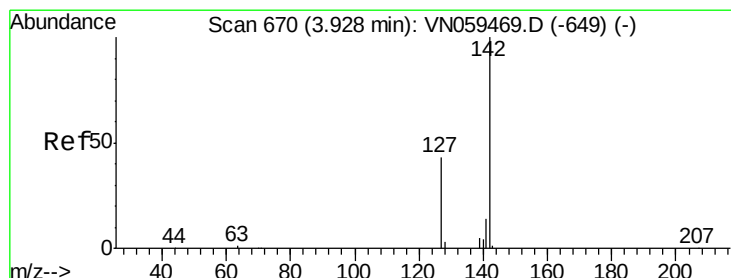
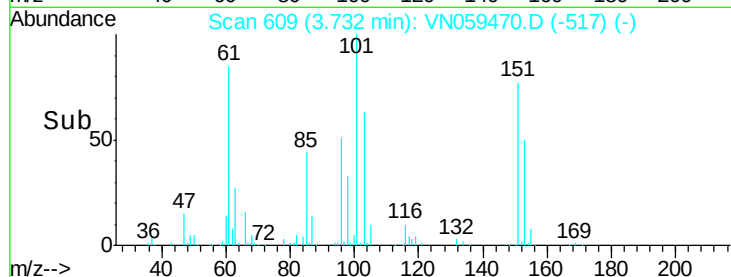
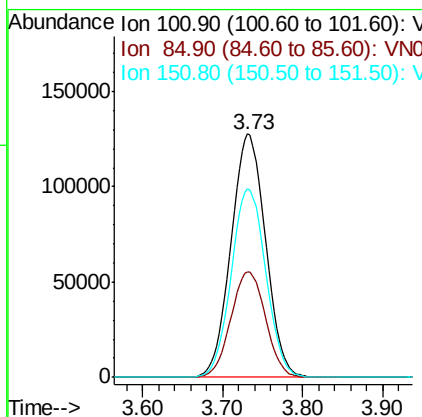
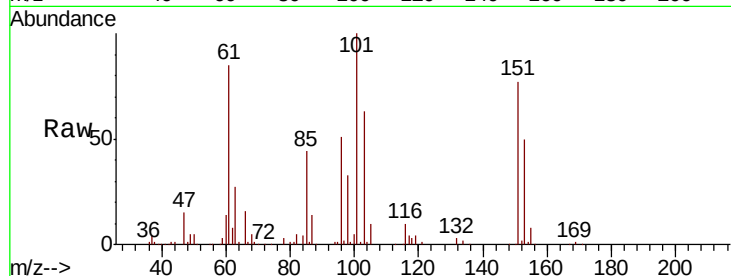
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	374173
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	77.6	62.4	93.6

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#10

Methyl Iodide

Concen: 106.658 ug/l

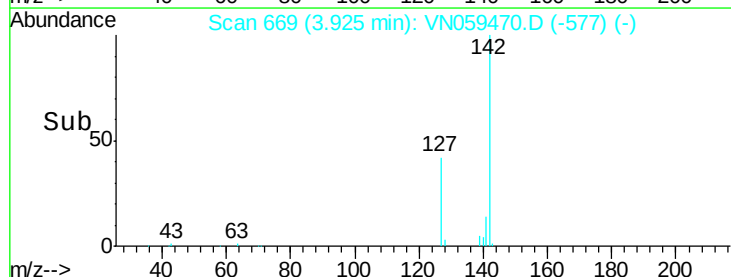
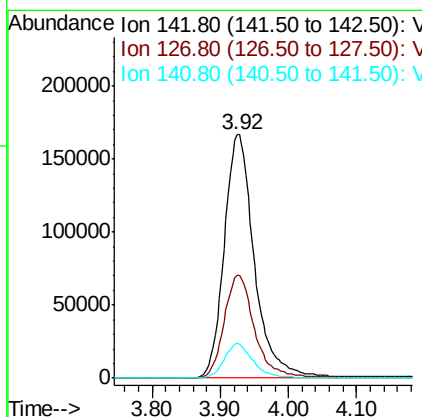
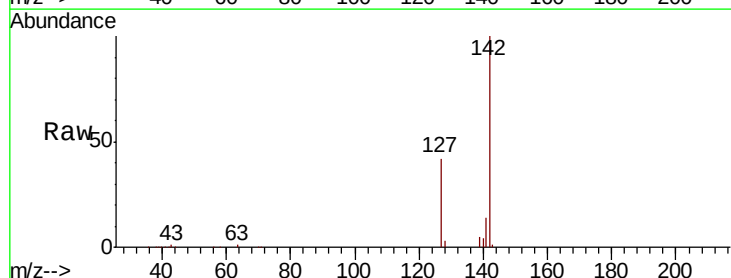
RT: 3.92 min Scan# 669

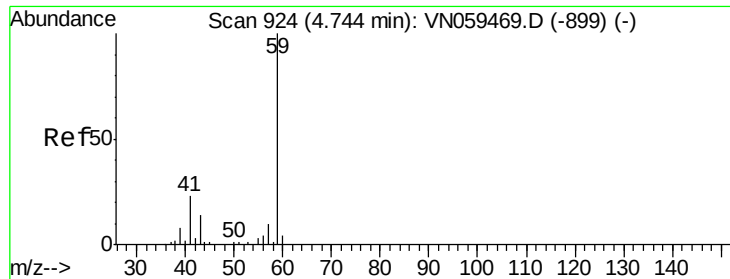
Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	142	Resp:	512245
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	13.9	11.4	17.0





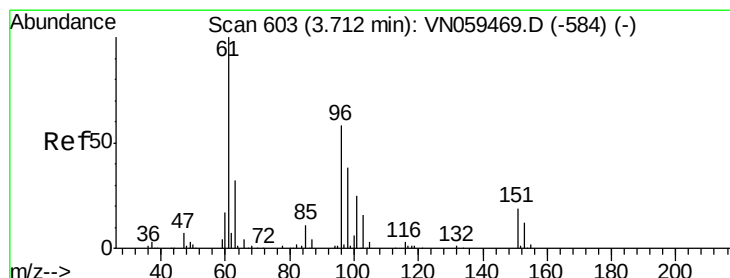
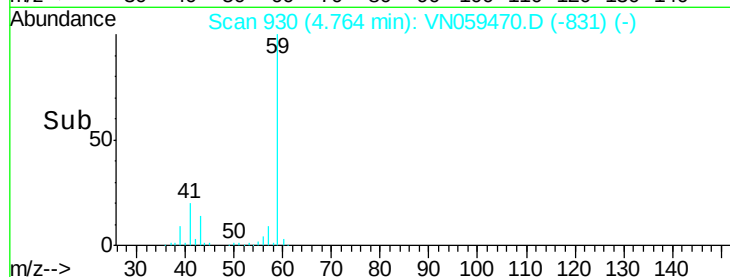
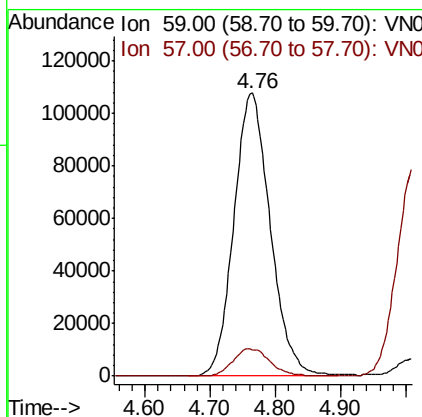
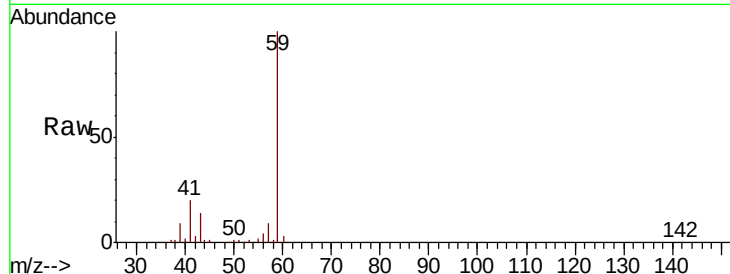
#11
Tert butyl alcohol
Concen: 555.916 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.02 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	417236
Ion Ratio	100	Lower	Upper
57	9.9	8.1	12.1

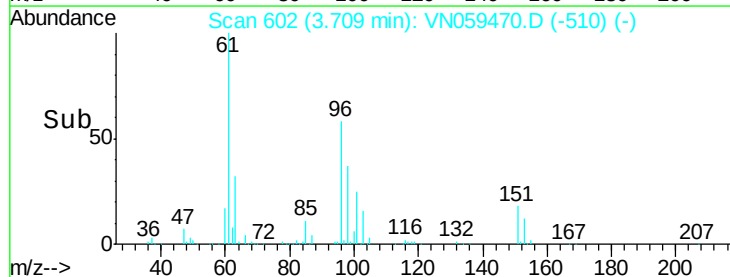
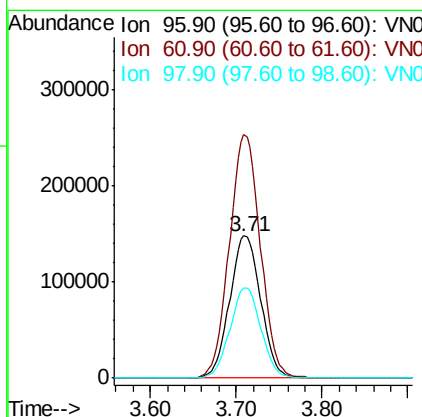
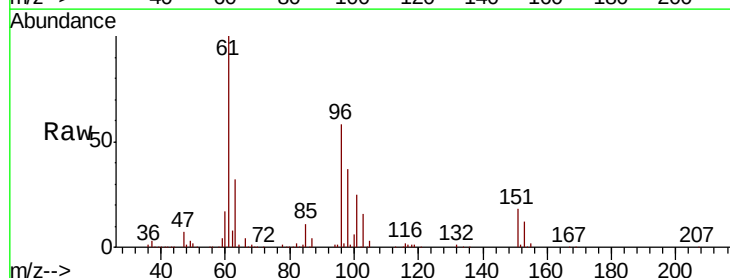
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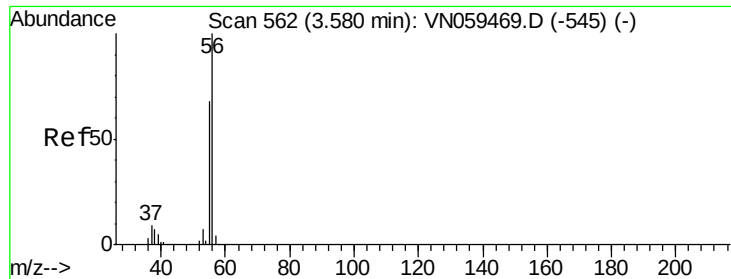
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#12
1,1-Dichloroethene
Concen: 103.229 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	96	Resp	371097
Ion Ratio	100	Lower	Upper
61	171.0	137.1	205.7
98	63.5	52.4	78.6





#13

Acrolein

Concen: 514.790 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 366653

Ion Ratio Lower Upper

56 100

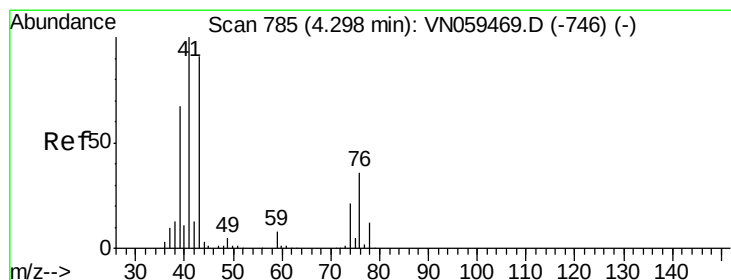
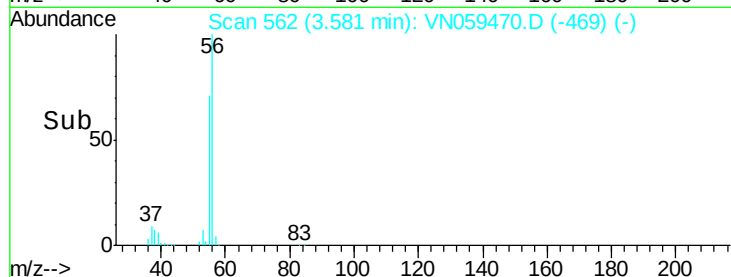
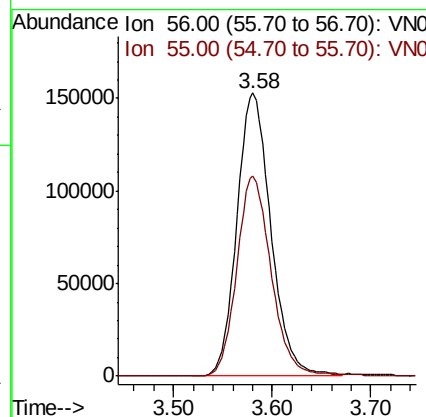
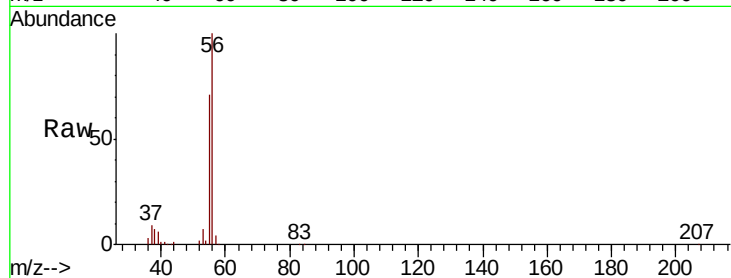
55 71.7 56.5 84.7

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#14

Allyl chloride

Concen: 108.135 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

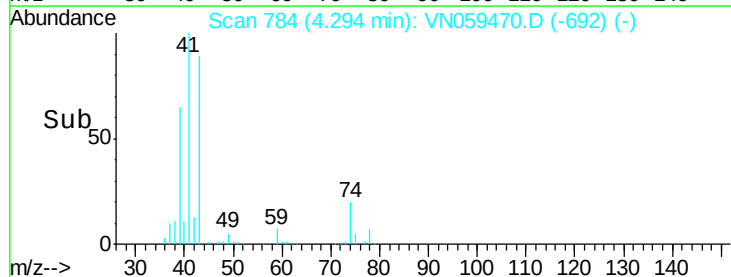
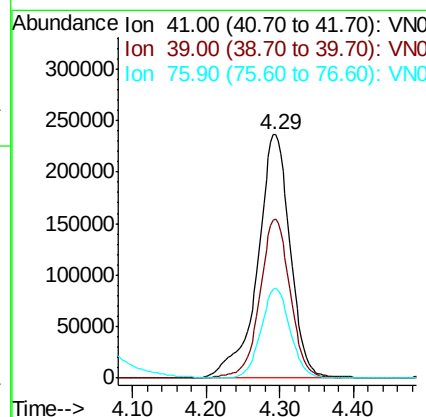
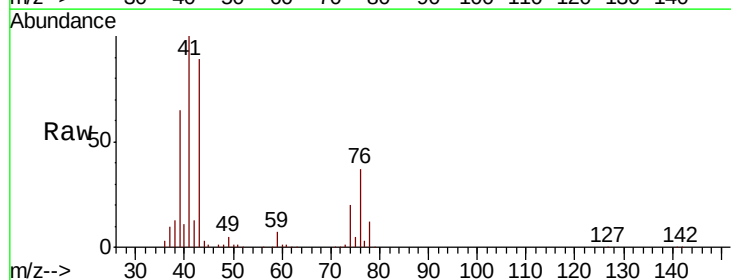
Tgt Ion: 41 Resp: 727403

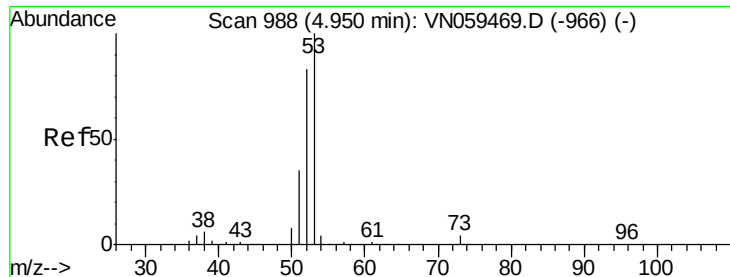
Ion Ratio Lower Upper

41 100

39 61.0 49.3 73.9

76 32.6 25.6 38.4





#15

Acrylonitrile

Concen: 558.237 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1168155

Ion Ratio Lower Upper

53 100

52 82.0 65.5 98.3

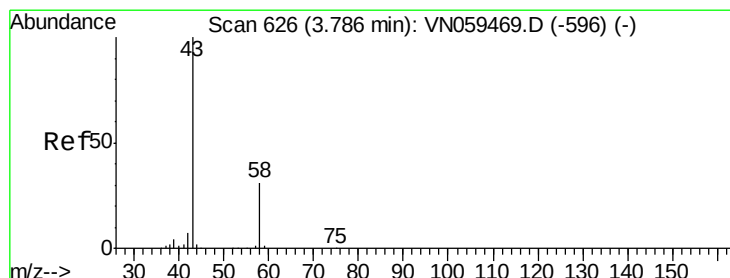
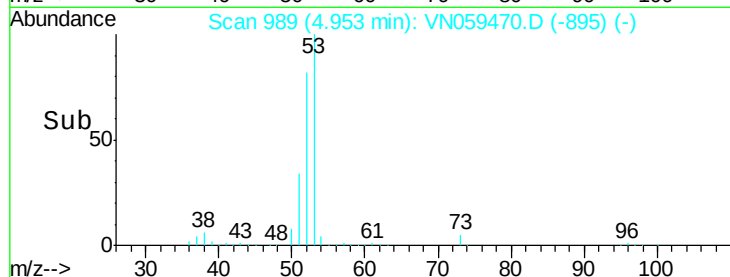
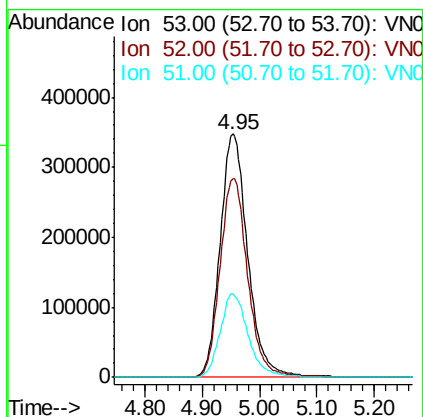
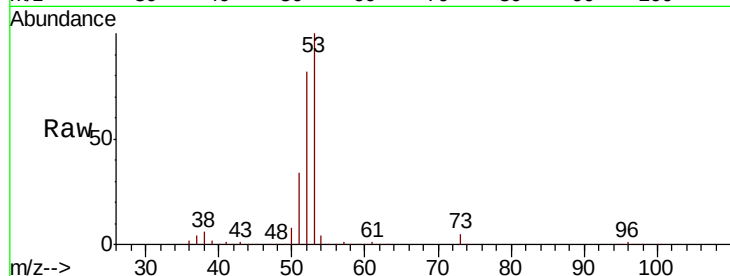
51 35.1 28.5 42.7

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#16

Acetone

Concen: 607.130 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059470.D

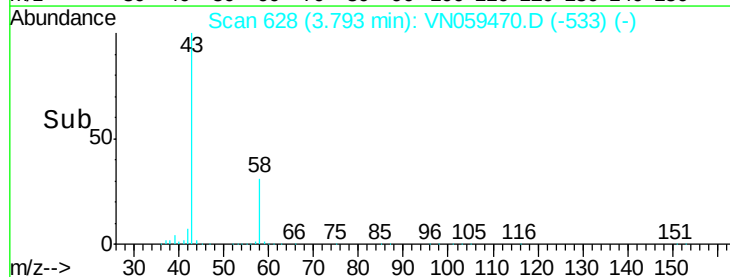
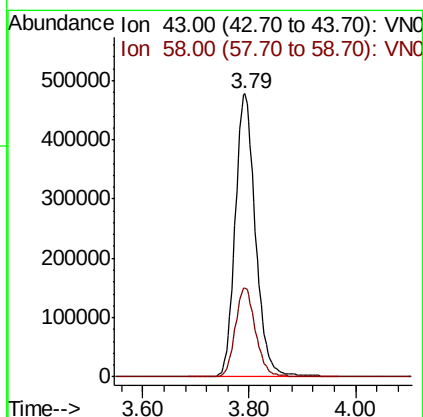
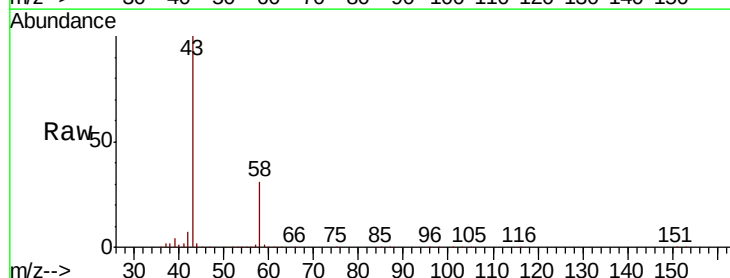
Acq: 3 Dec 2019 14:47

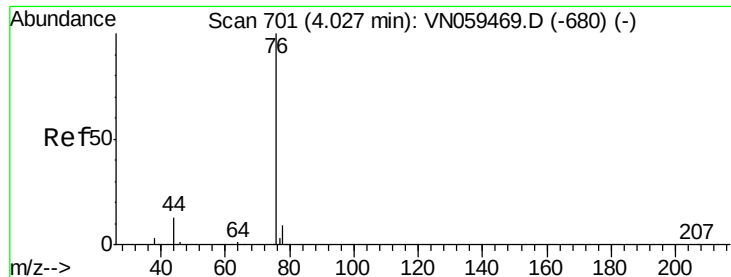
Tgt Ion: 43 Resp: 1257200

Ion Ratio Lower Upper

43 100

58 31.3 24.9 37.3





#17

Carbon Disulfide

Concen: 96.288 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tot Ion: 76 Resp: 1190079

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

Instrument :

MSVOA_N

ClientSampleId :

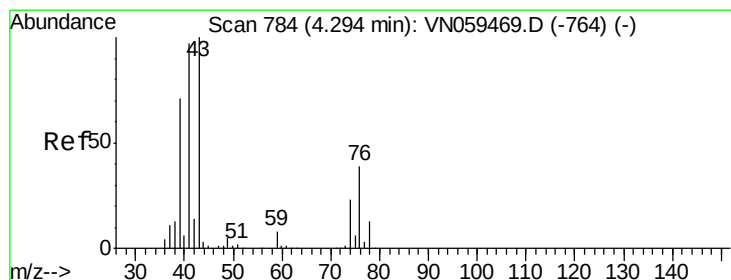
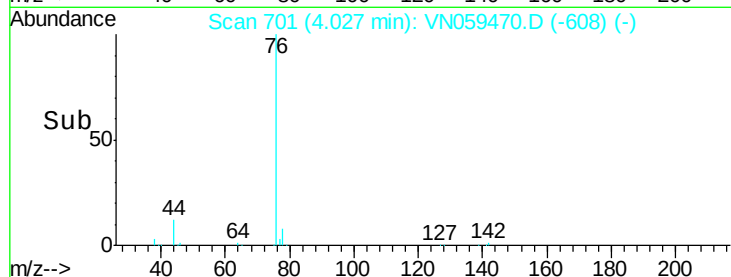
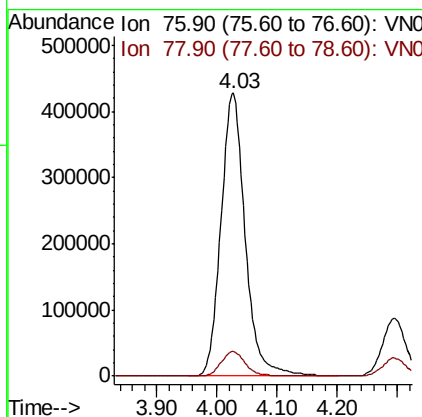
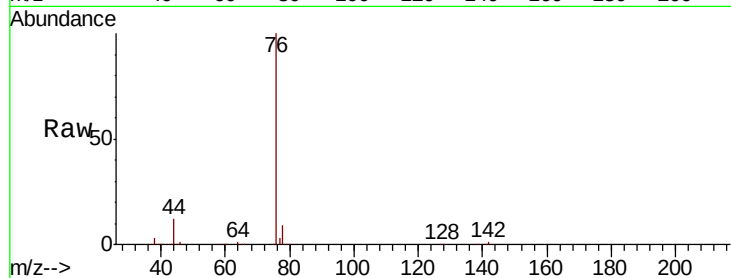
VSTDIC100

Manual Integrations

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#18

Methyl Acetate

Concen: 105.824 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059470.D

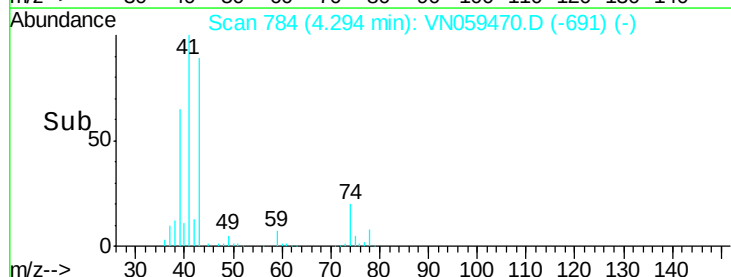
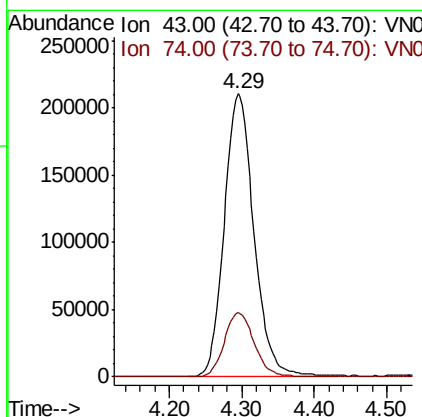
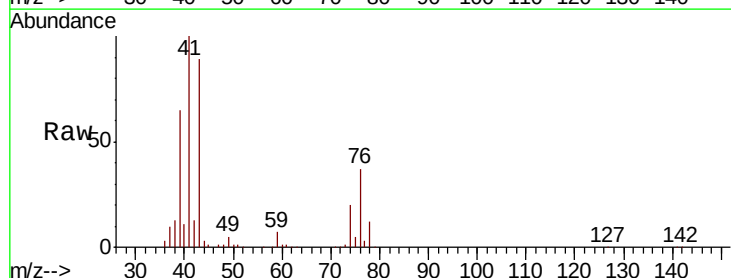
Acq: 3 Dec 2019 14:47

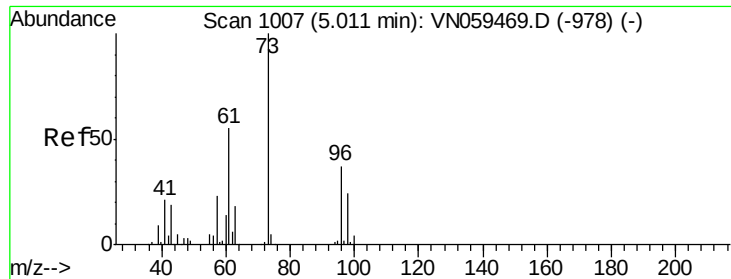
Tgt Ion: 43 Resp: 594890

Ion Ratio Lower Upper

43 100

74 22.9 18.3 27.5





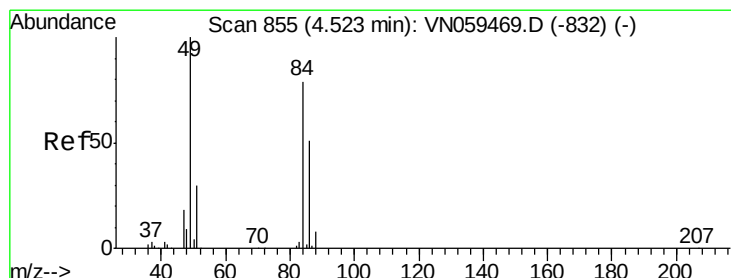
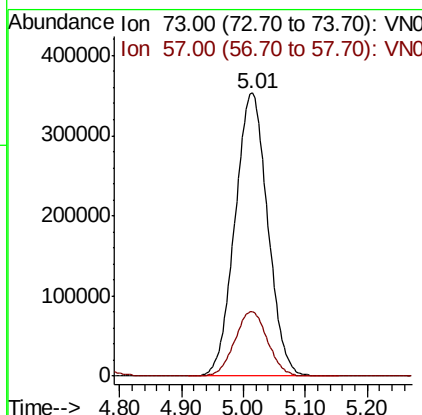
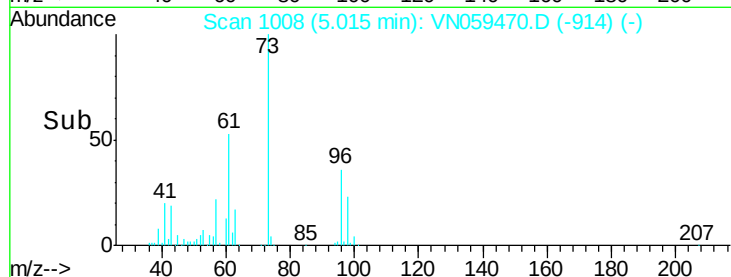
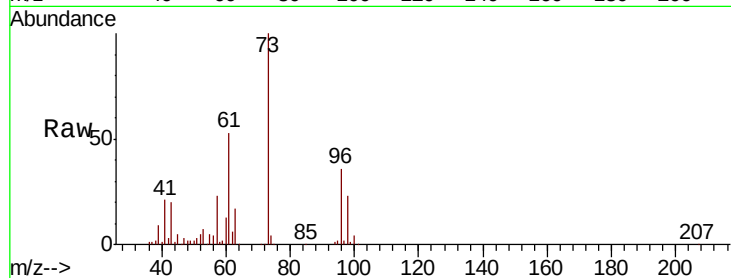
#19
Methyl tert-butyl Ether
Concen: 110.823 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1298572
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0

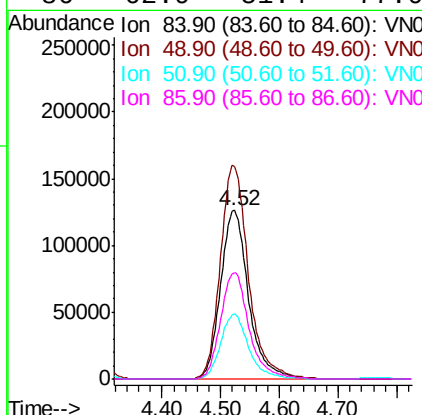
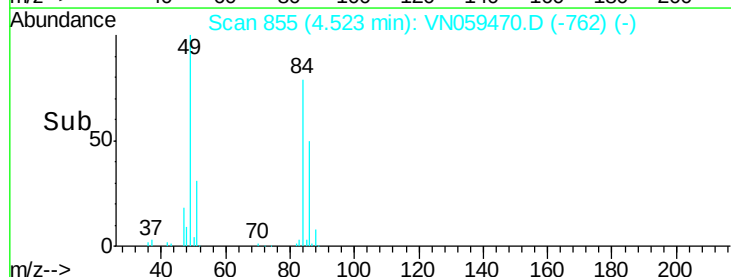
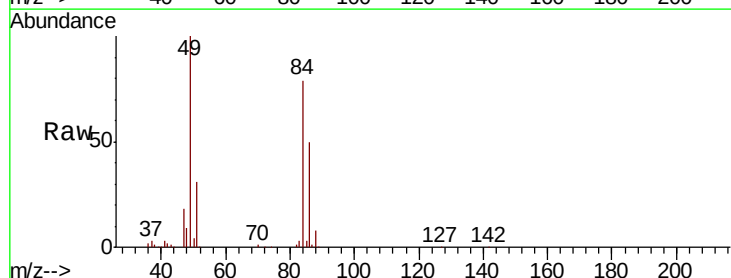
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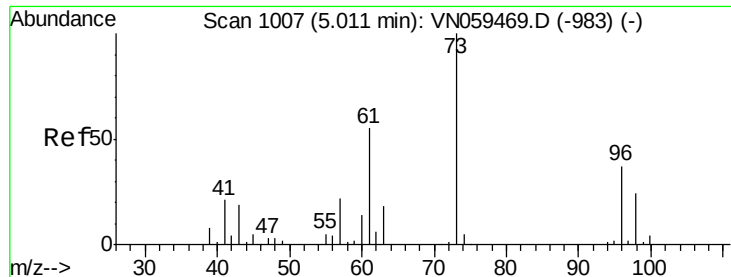
apatel
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#20
Methylene Chloride
Concen: 101.034 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 84 Resp: 418977
Ion Ratio Lower Upper
84 100
49 126.4 101.1 151.7
51 38.7 30.7 46.1
86 62.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 104.983 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 412306

Ion Ratio Lower Upper

96 100

61 149.2 118.9 178.3

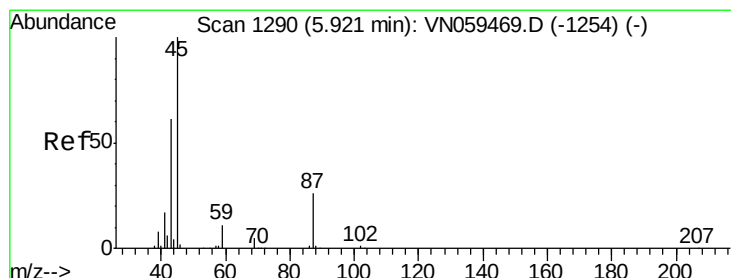
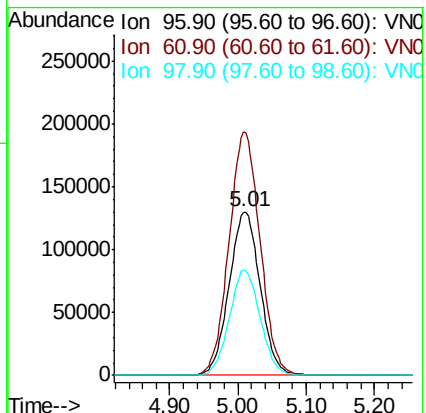
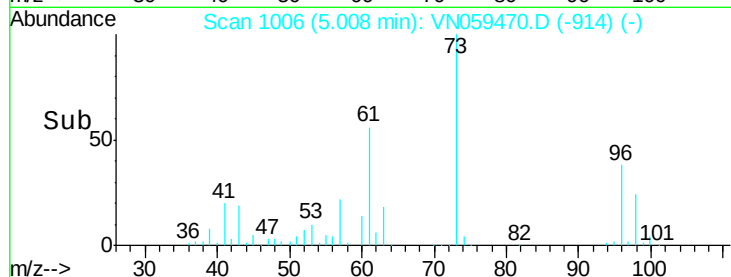
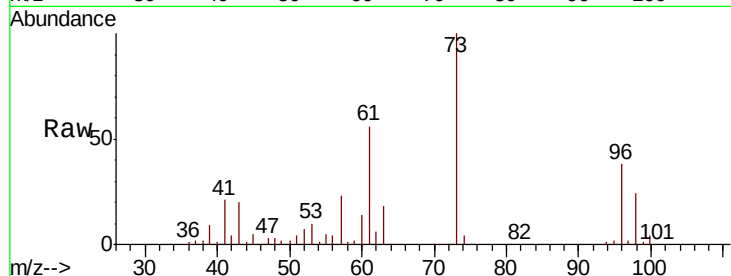
98 64.6 51.6 77.4

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#22

Diisopropyl ether

Concen: 112.109 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion: 45 Resp: 1407322

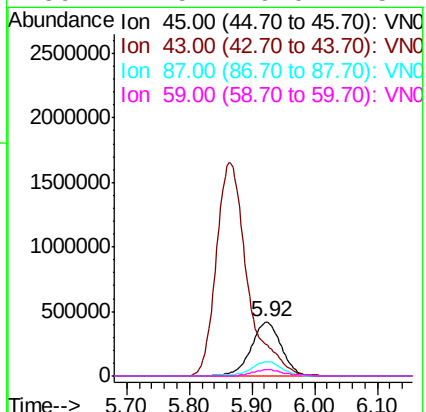
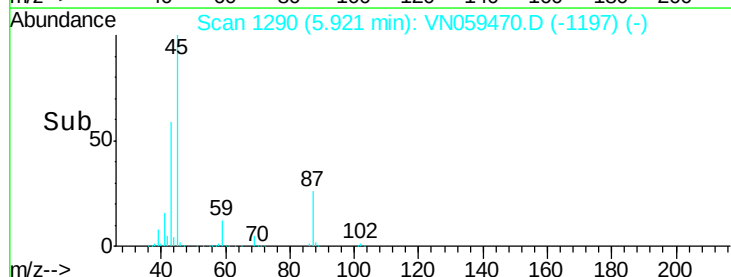
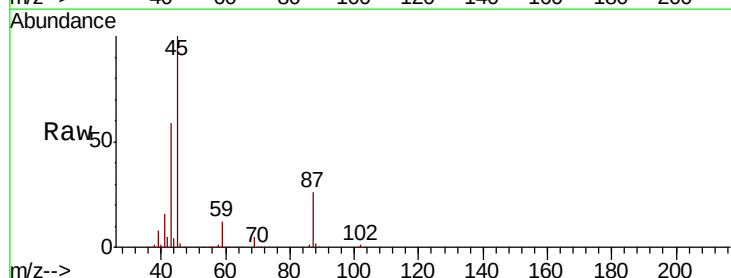
Ion Ratio Lower Upper

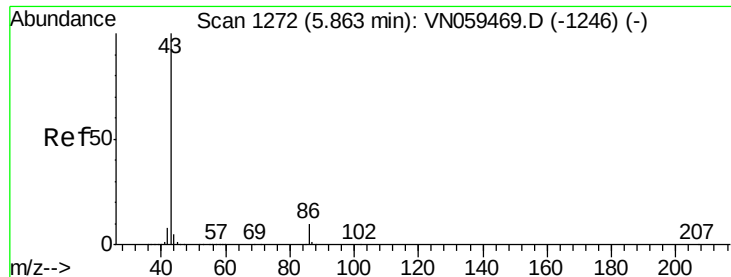
45 100

43 58.7 49.1 73.7

87 26.4 21.6 32.4

59 11.5 9.0 13.4





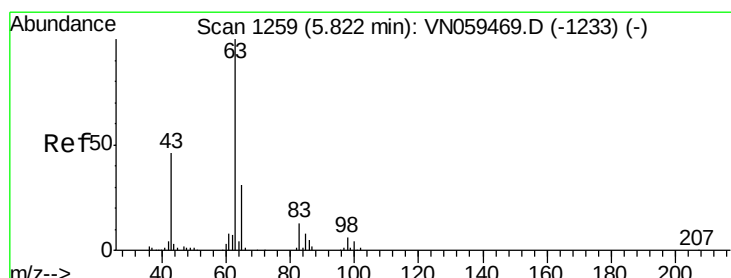
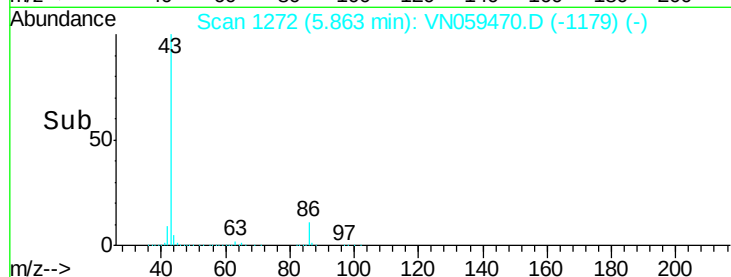
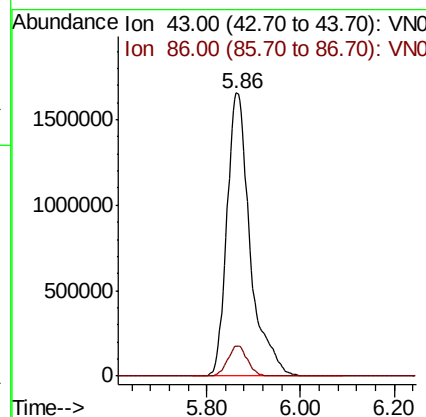
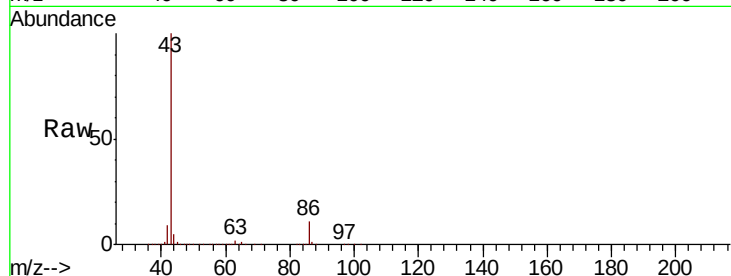
#23
 Vinyl Acetate
 Concen: 560.602 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 5706080
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.0 12.0

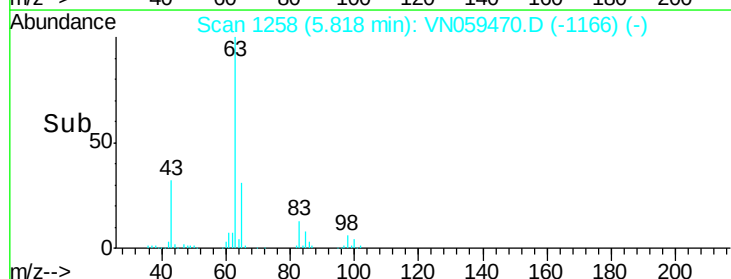
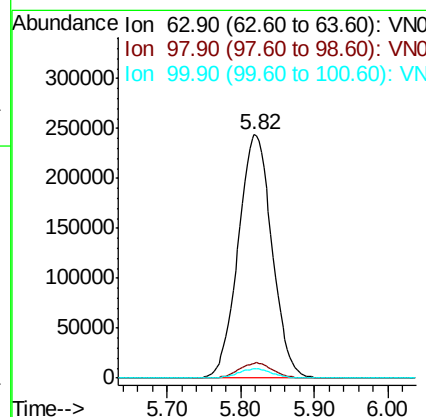
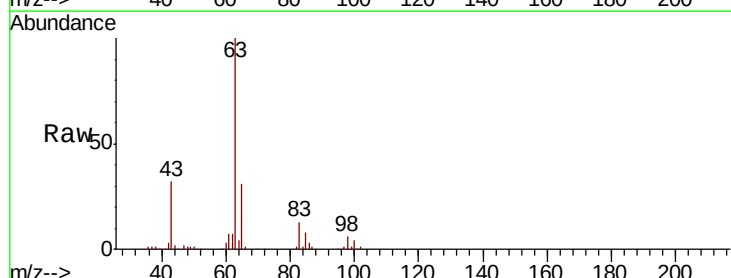
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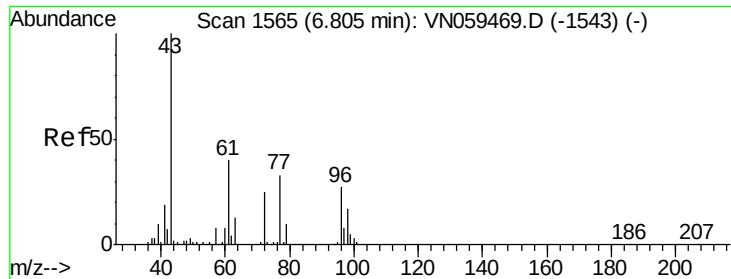
apatel
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#24
 1,1-Dichloroethane
 Concen: 107.752 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 63 Resp: 776350
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.2 9.6
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 597.615 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1706290

Ion Ratio Lower Upper

43 100

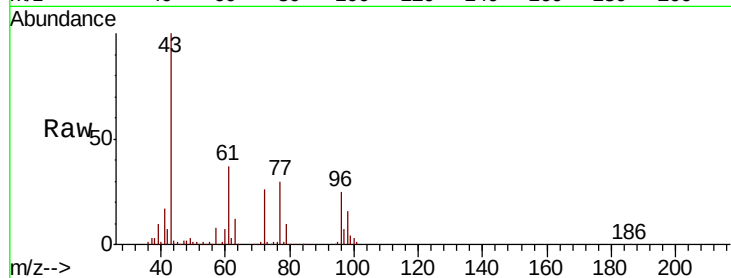
72 25.8 20.2 30.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

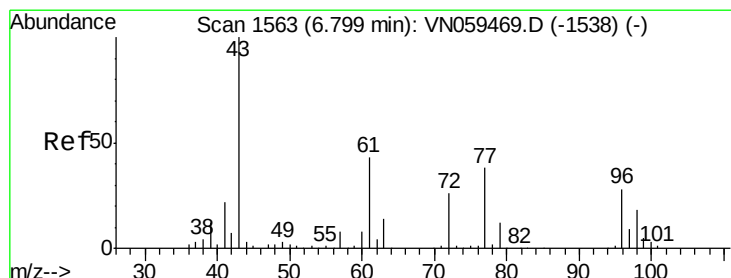
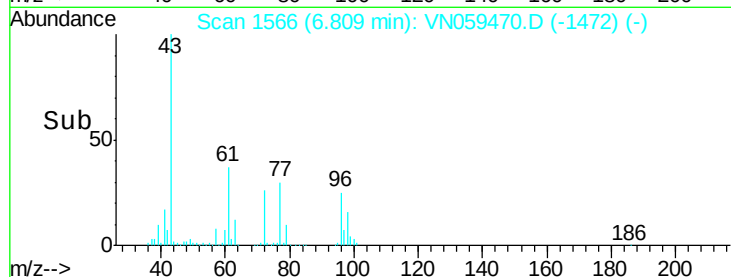
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 108.694 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059470.D

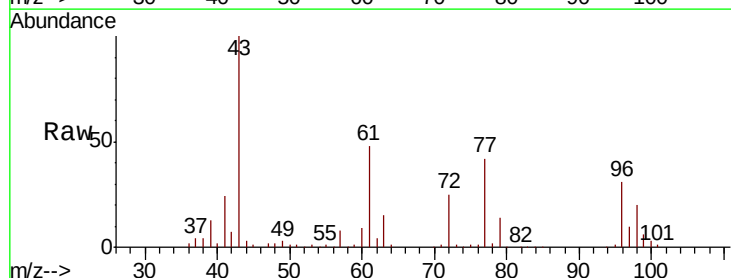
Acq: 3 Dec 2019 14:47

Tgt Ion: 77 Resp: 667375

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

200000

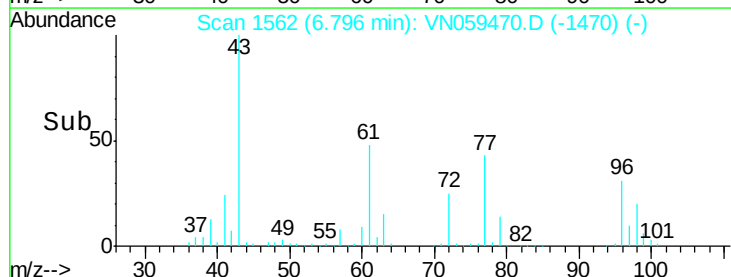
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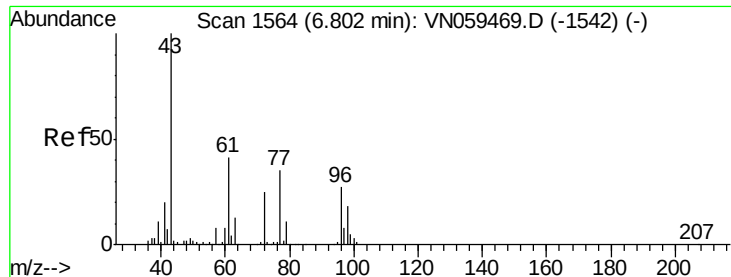
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 107.261 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

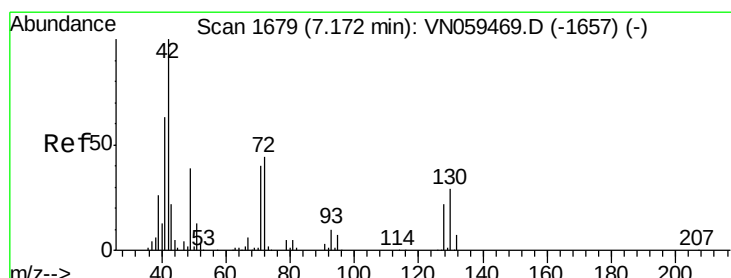
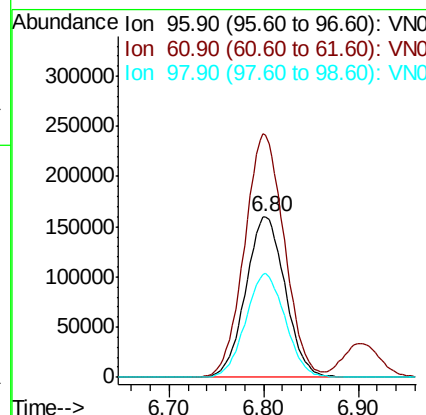
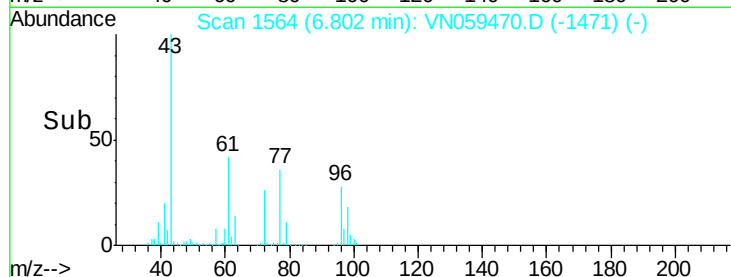
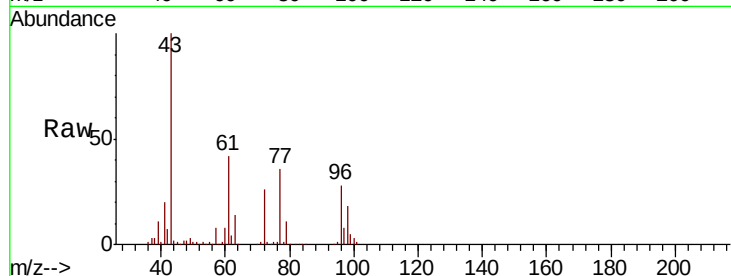
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	462201
Ion Ratio	Lower	Upper	
96	100		
61	153.4	0.0	307.4
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 128.094 ug/l

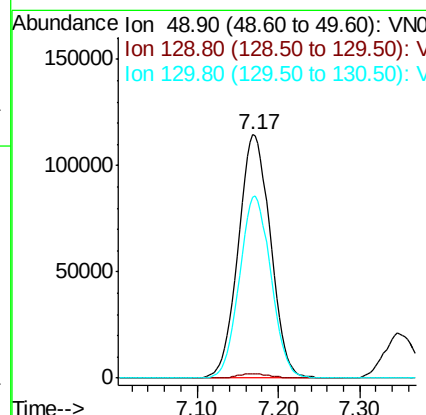
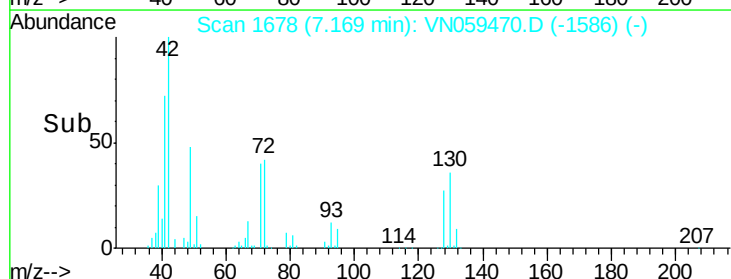
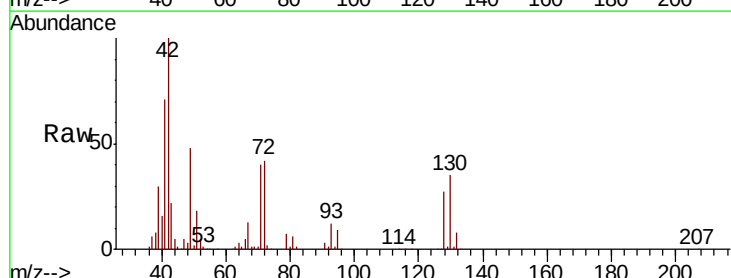
RT: 7.17 min Scan# 1678

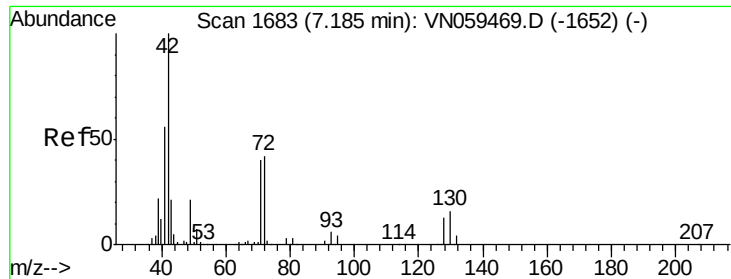
Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	49	Resp:	314671
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.2
130	73.1	58.4	87.6





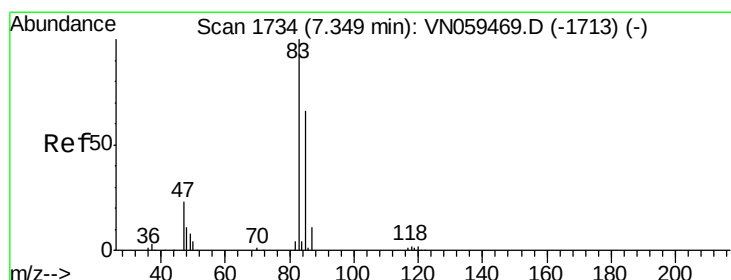
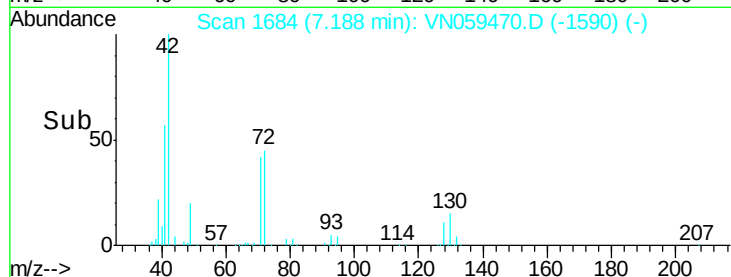
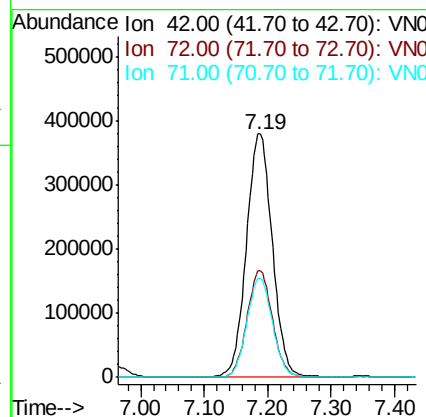
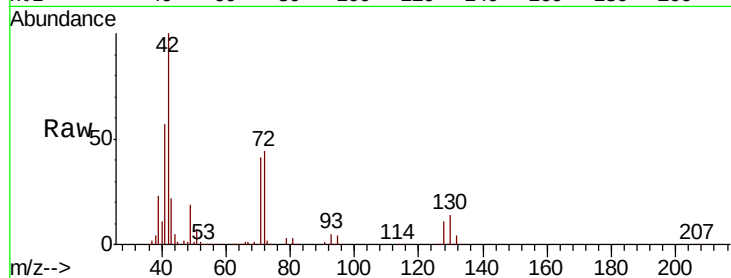
#29
Tetrahydrofuran
Concen: 566.121 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	40.3	32.0	48.0

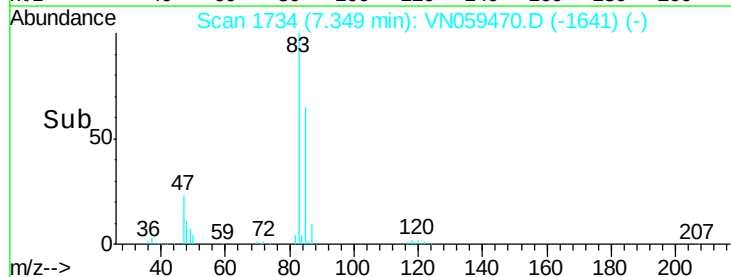
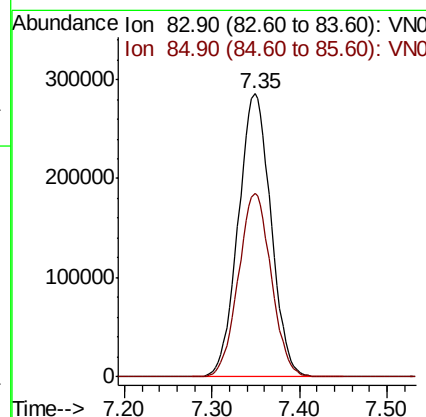
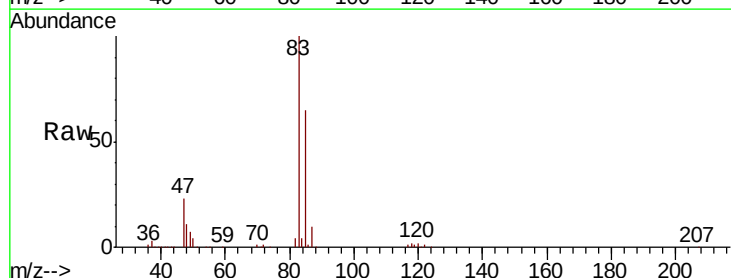
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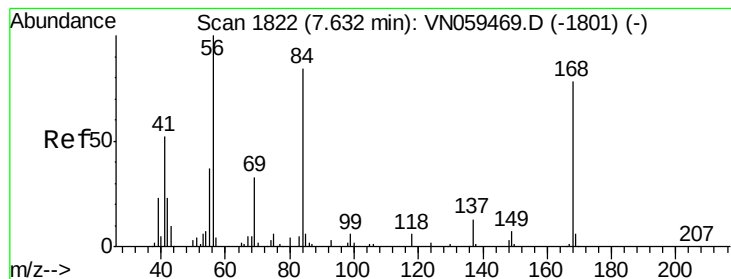
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#30
Chloroform
Concen: 102.256 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





#31

Cyclohexane

Concen: 102.116 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

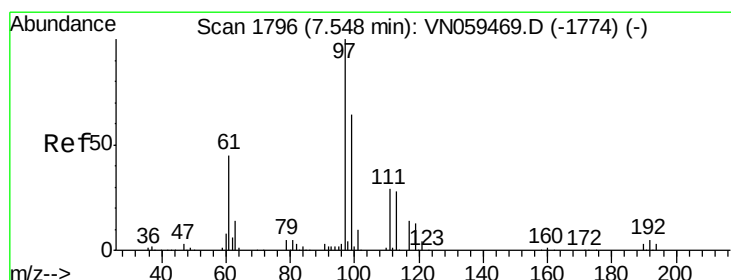
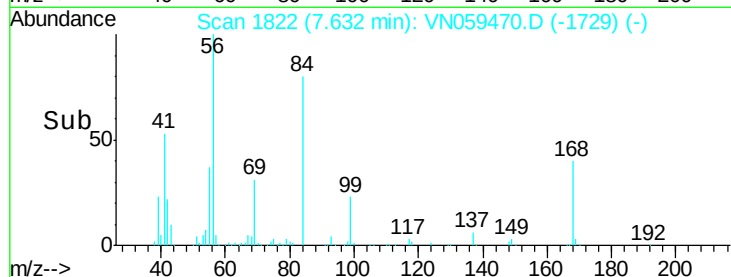
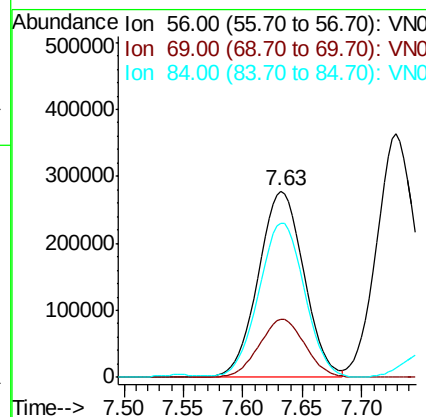
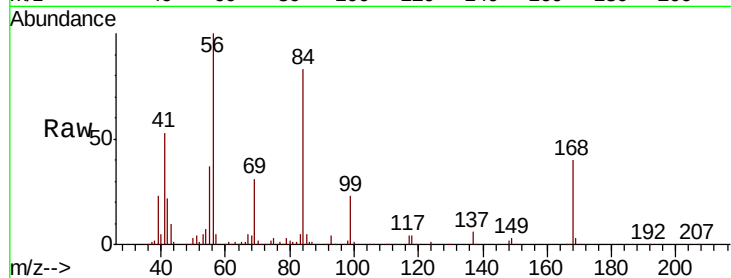
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	737315
Ion Ratio	Lower	Upper	
56	100		
69	31.4	26.2	39.4
84	81.9	66.8	100.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 108.992 ug/l

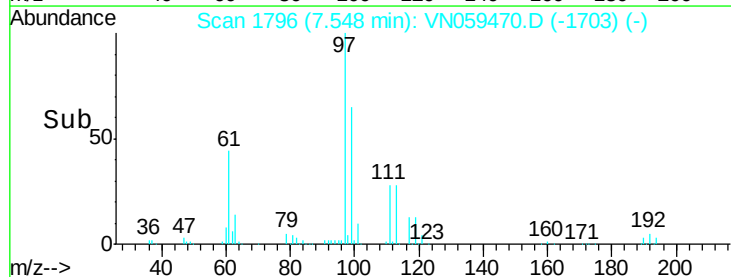
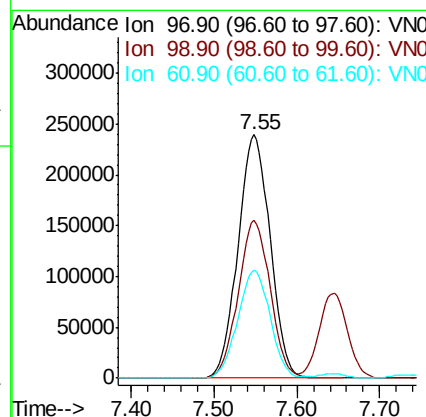
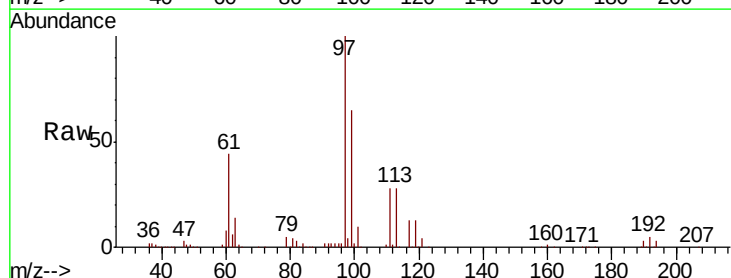
RT: 7.55 min Scan# 1796

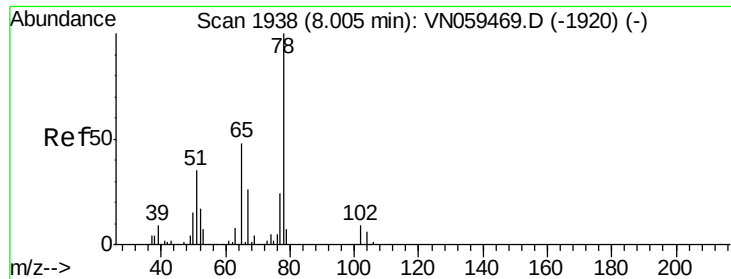
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	97	Resp:	645998
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.7	77.5
61	44.5	35.4	53.0





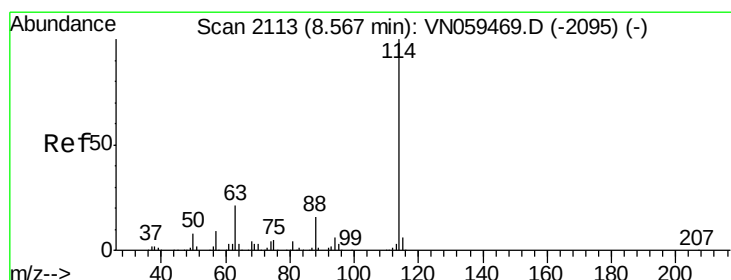
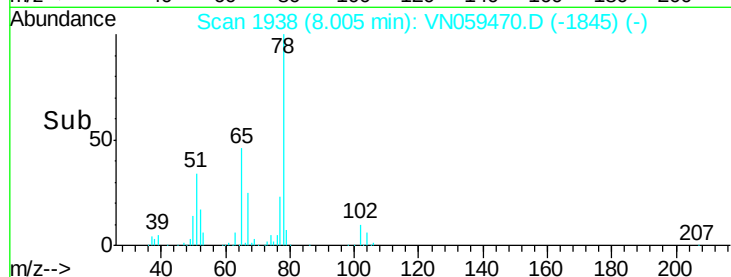
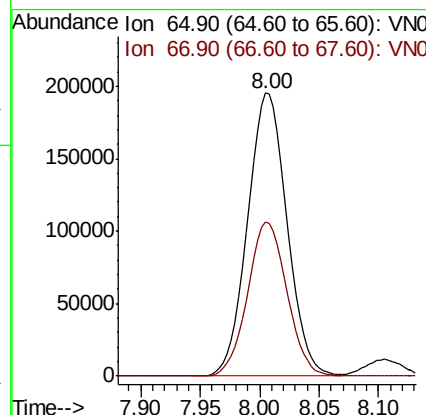
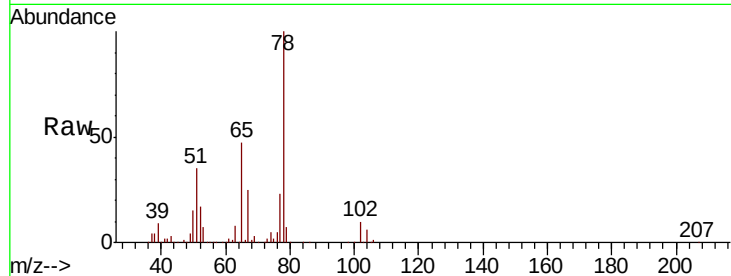
#33
 1,2-Dichloroethane-d4
 Concen: 104.482 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	107.4	

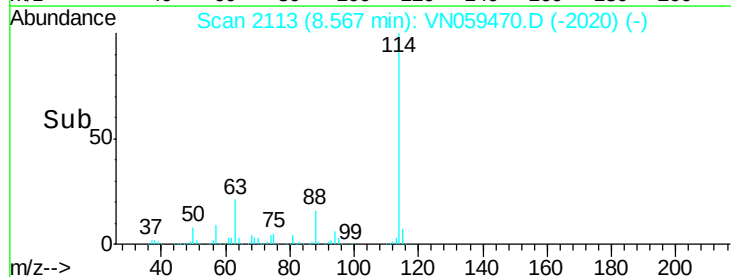
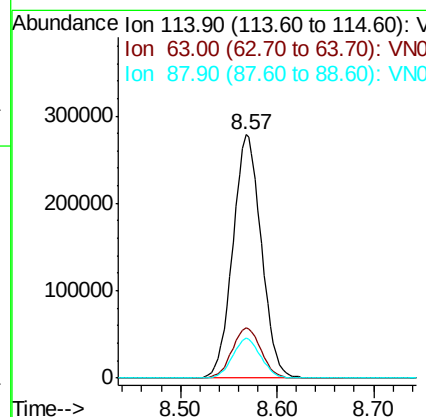
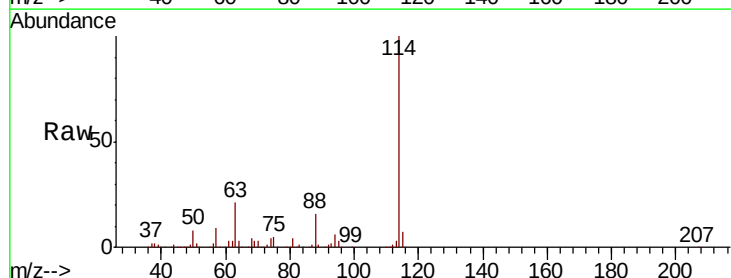
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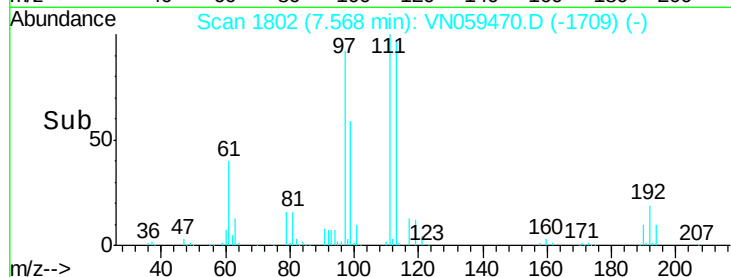
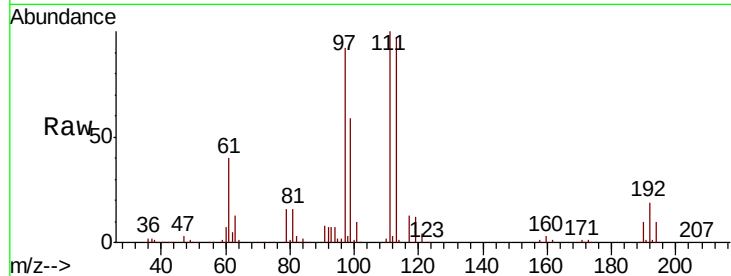
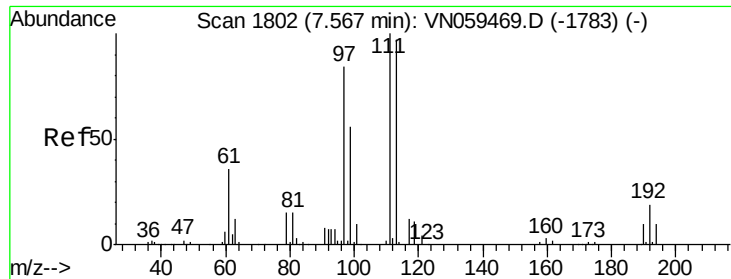
apatel
 12/4/2019 9:22:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	42.4	
88	16.2	0.0	32.8	





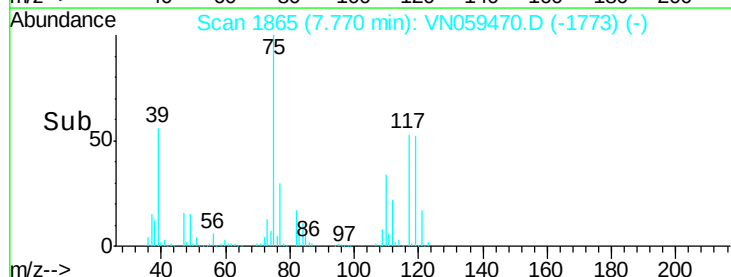
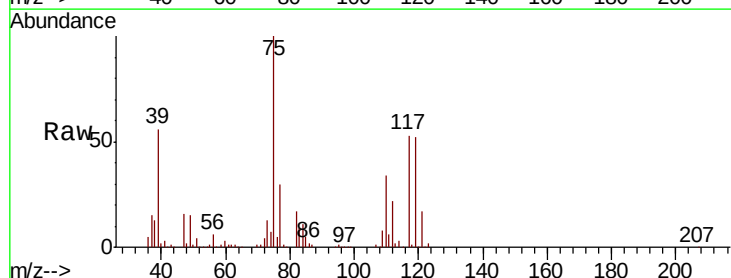
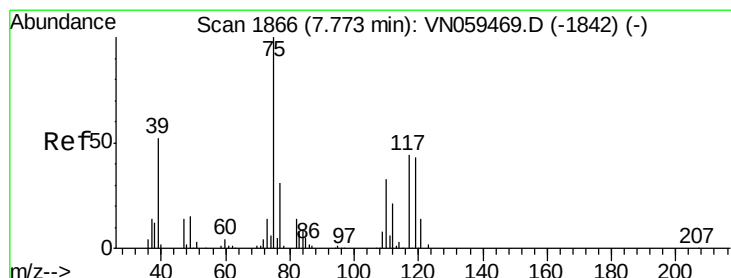
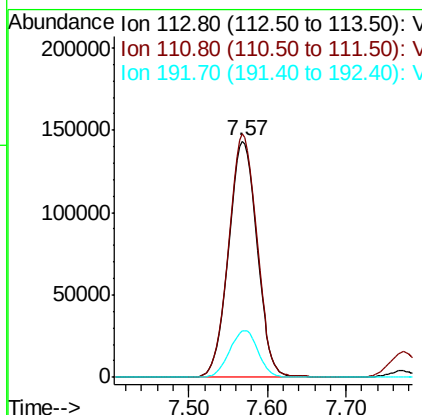
#35
Dibromofluoromethane
Concen: 103.249 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tot Ion	Ratio	Resp	Lower	Upper
113	100	359848		
111	102.5	82.5	123.7	
192	19.9	16.1	24.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

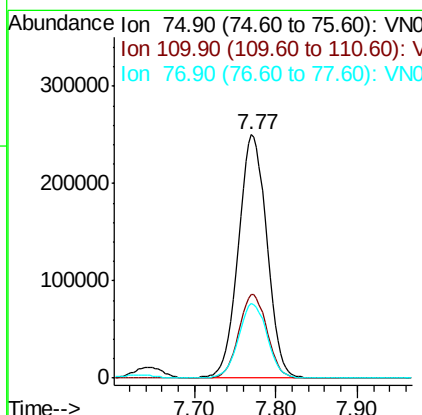
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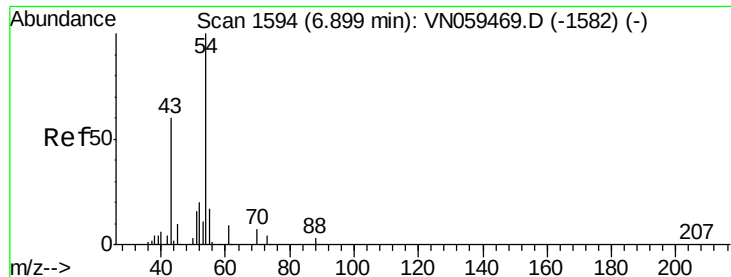
apatel
12/4/2019 9:22:10 AM



#36
1,1-Dichloropropene
Concen: 108.335 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	599781		
110	34.2	16.9	50.7	
77	31.1	25.1	37.7	





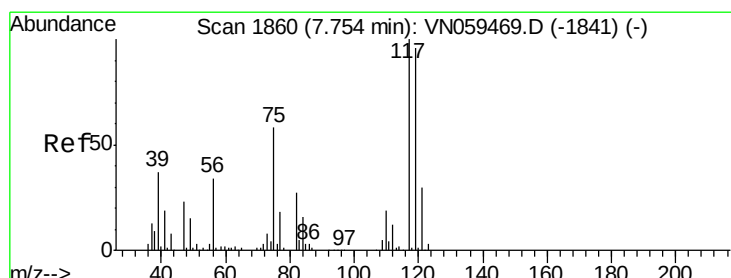
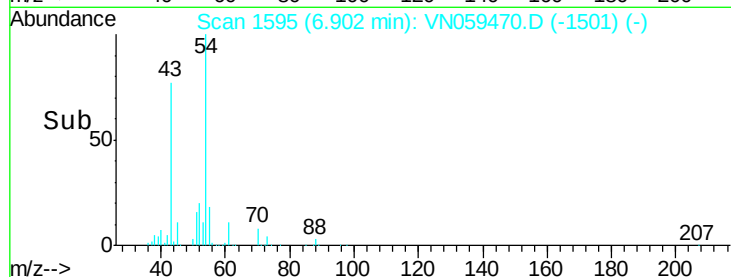
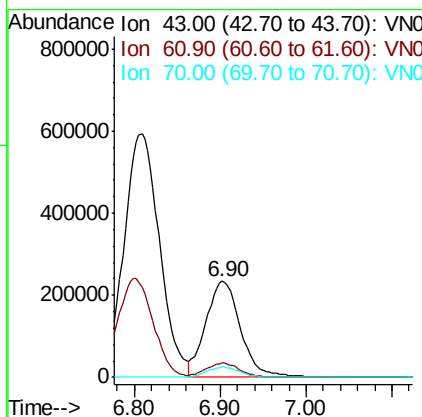
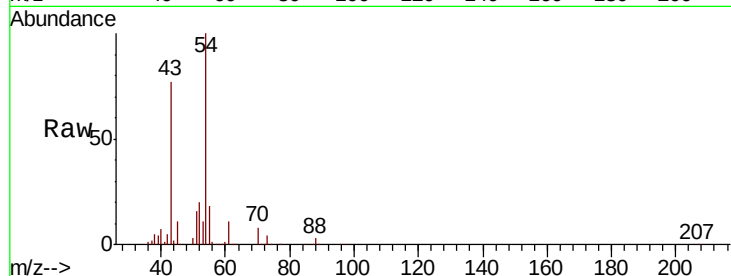
#37
Ethyl Acetate
Concen: 109.936 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.4	8.3	12.5

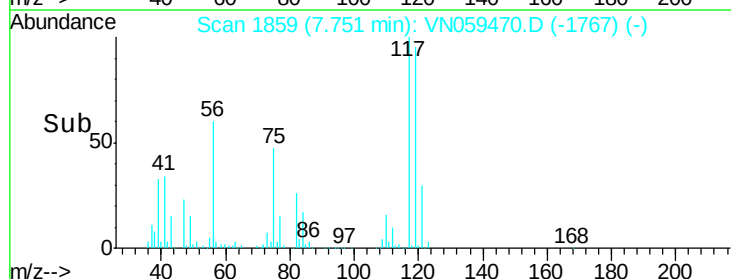
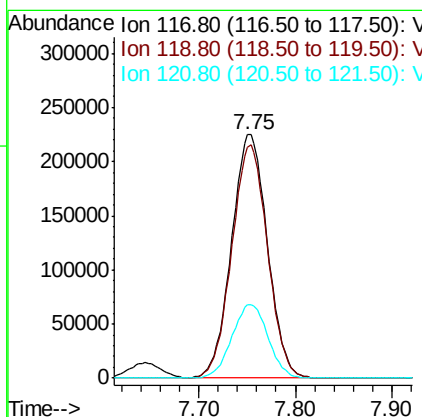
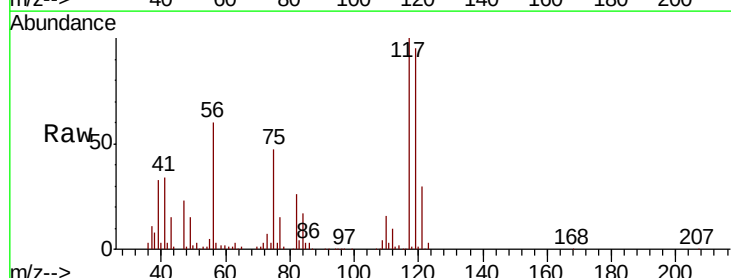
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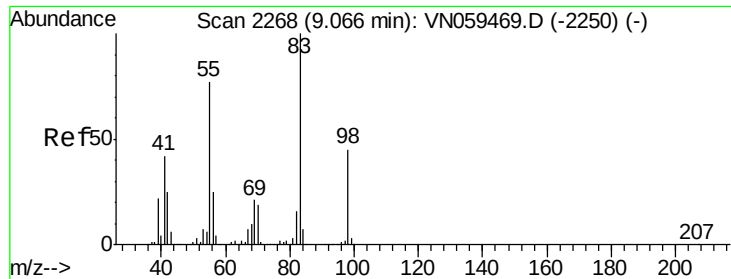
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#38
Carbon Tetrachloride
Concen: 110.334 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	114.8
121	30.2	24.0	36.0





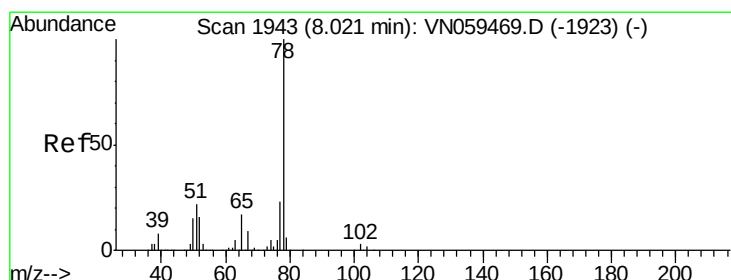
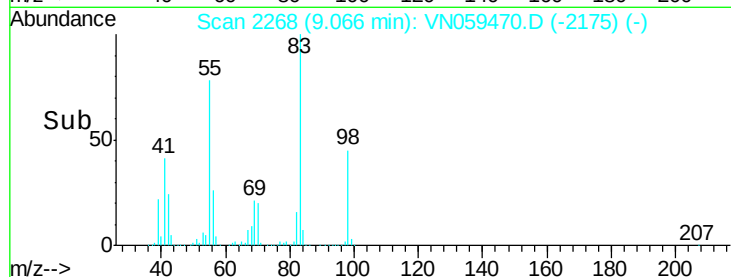
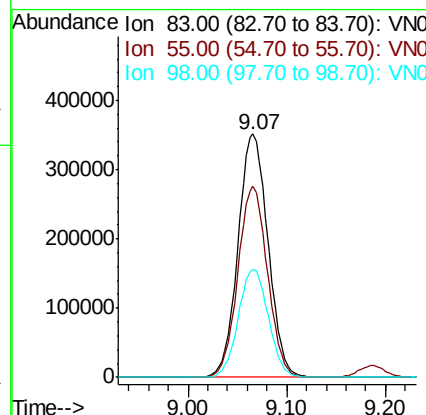
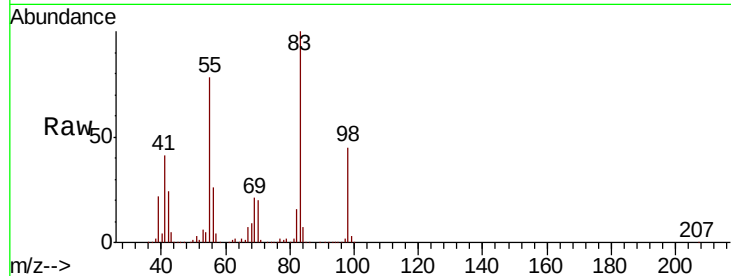
#39
Methylvlcyclohexane
Concen: 111.759 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.8	92.6
98	44.6	36.2	54.2

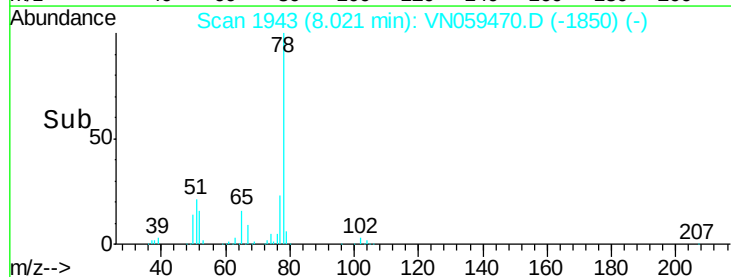
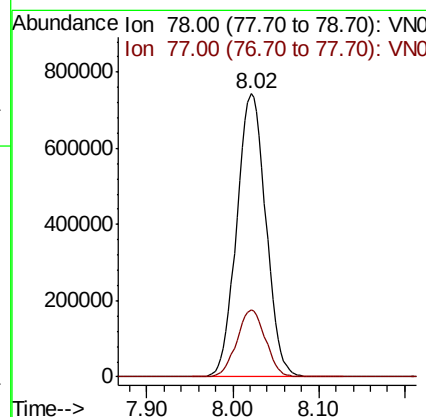
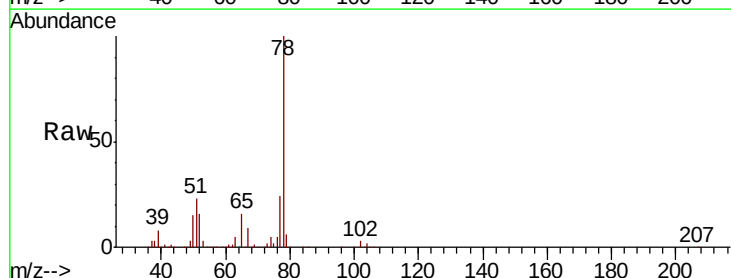
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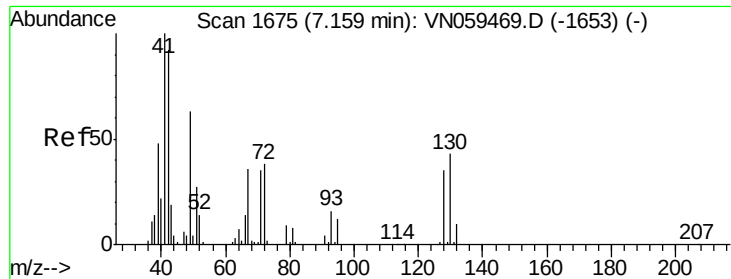
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#40
Benzene
Concen: 106.238 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2





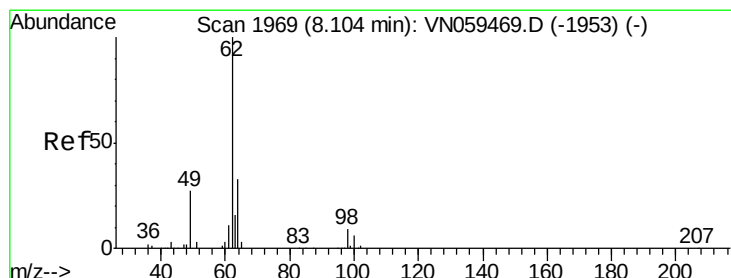
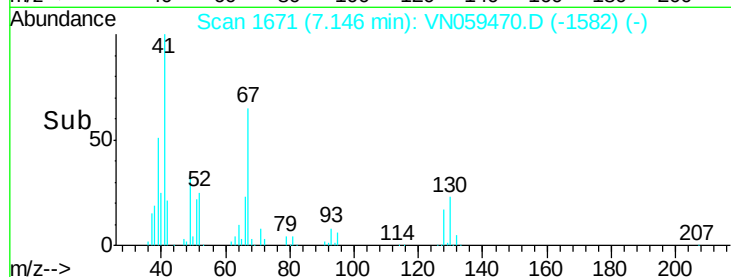
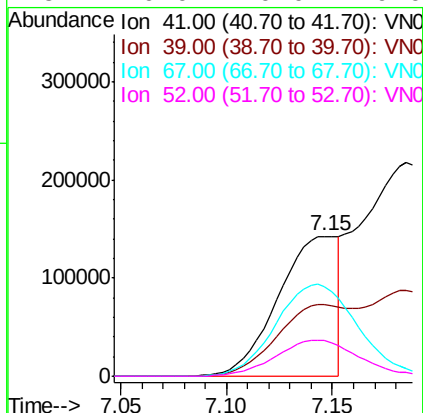
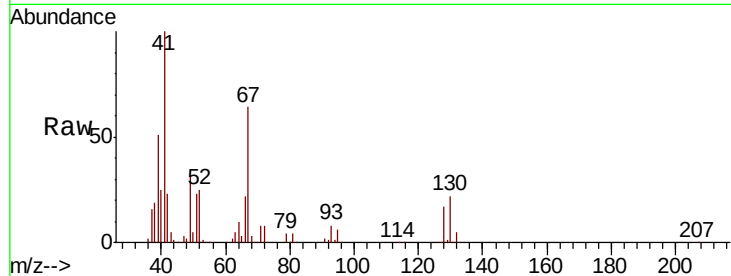
#41
Methacrylonitrile
Concen: 101.506 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		281291		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

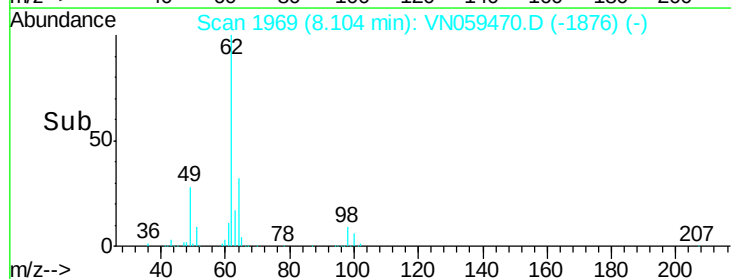
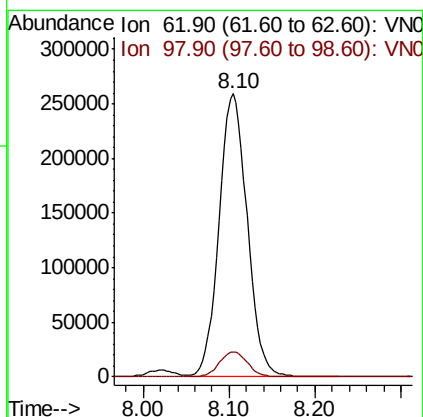
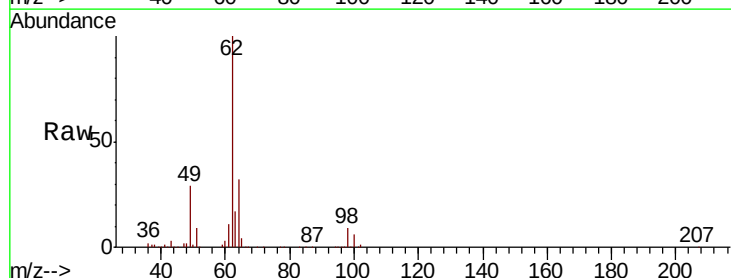
Manual Integrations
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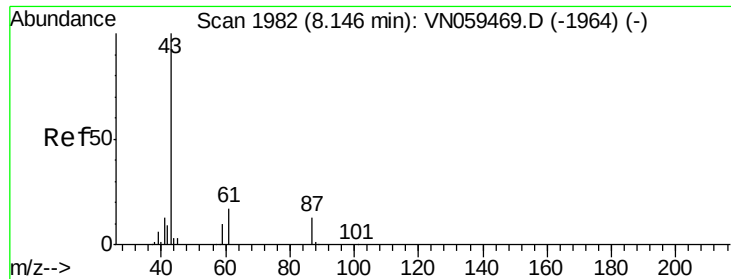
apatel
12/4/2019 9:22:10 AM



#42
1,2-Dichloroethane
Concen: 112.243 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		590374		
98	8.9	0.0	17.8		





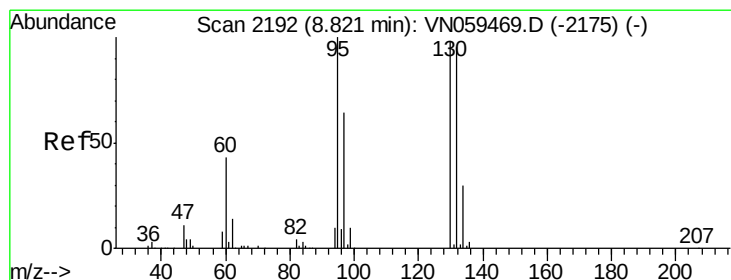
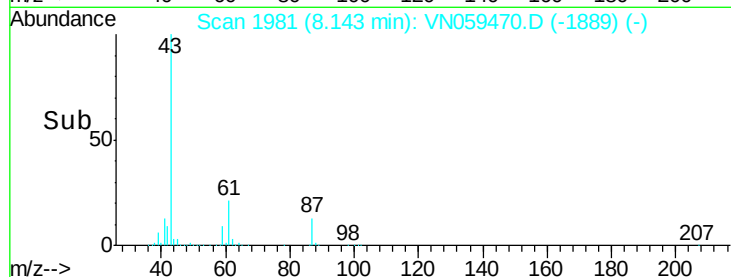
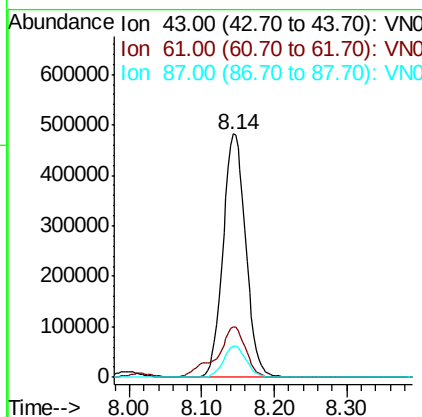
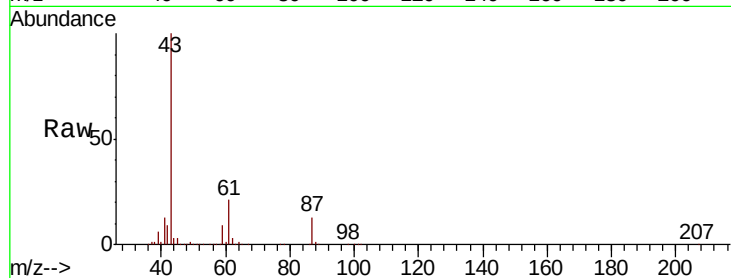
#43
Isopropyl Acetate
Concen: 115.479 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1042350
Ion Ratio Lower Upper
43 100
61 26.4 21.0 31.6
87 12.9 10.4 15.6

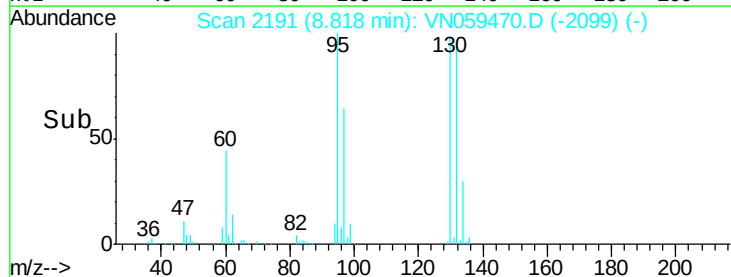
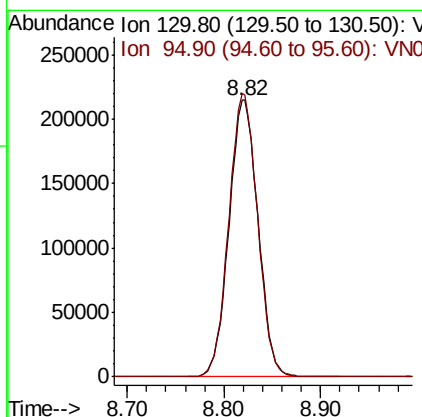
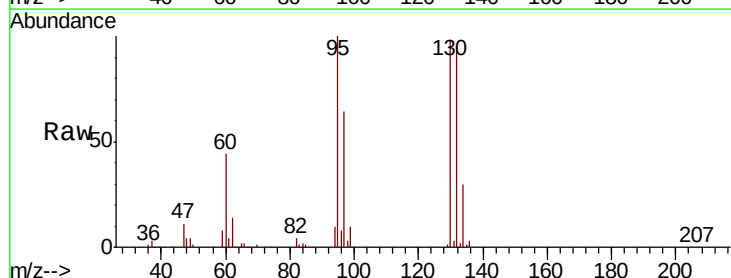
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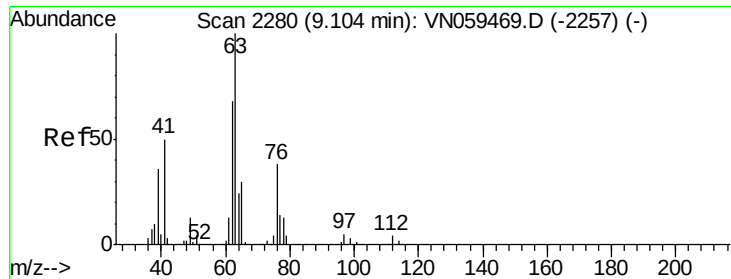
apatel
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#44
Trichloroethene
Concen: 106.857 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion:130 Resp: 447706
Ion Ratio Lower Upper
130 100
95 102.3 0.0 203.6





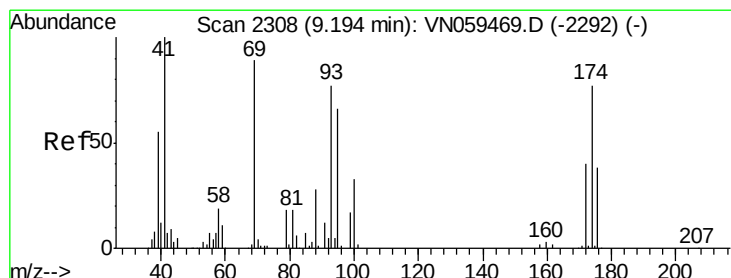
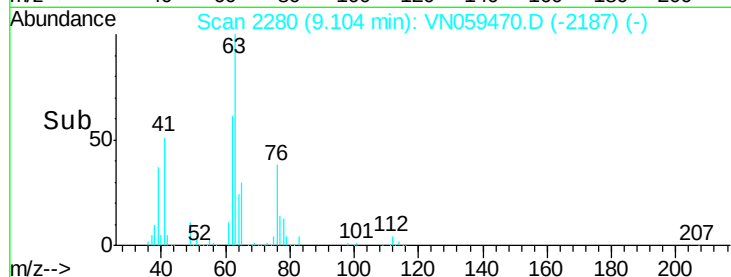
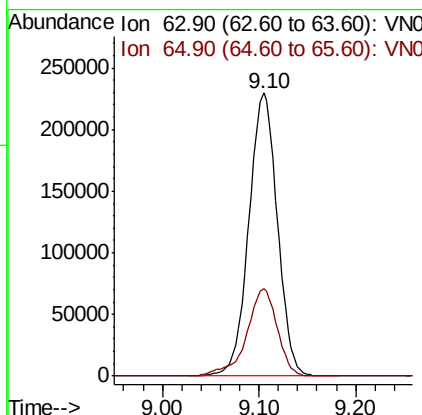
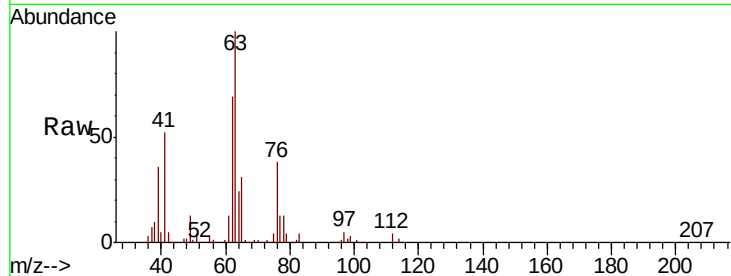
#45
 1,2-Dichloropropane
 Concen: 109.240 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 470558
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6

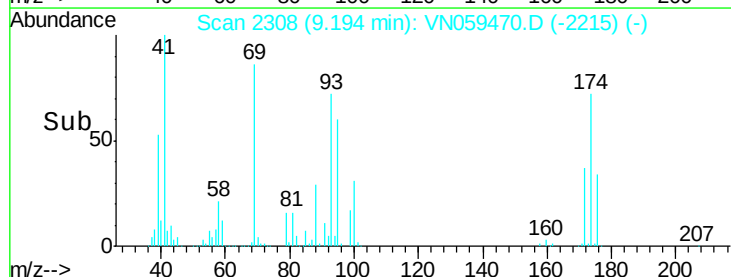
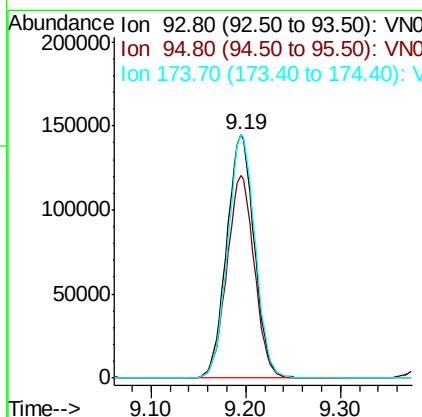
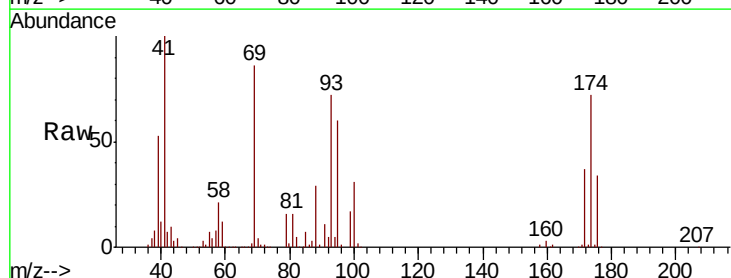
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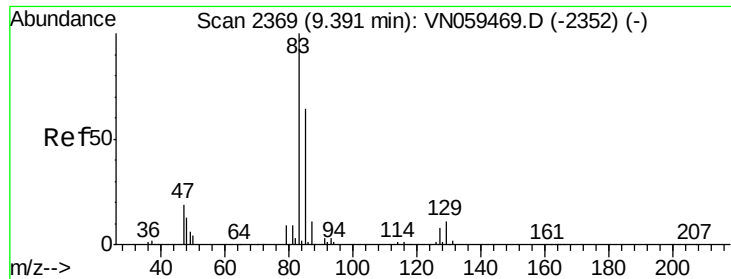
apatel
 12/4/2019 9:22:10 AM



#46
 Dibromomethane
 Concen: 110.220 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 93 Resp: 293471
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 99.2 79.6 119.4





#47

Bromodichloromethane

Concen: 110.827 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

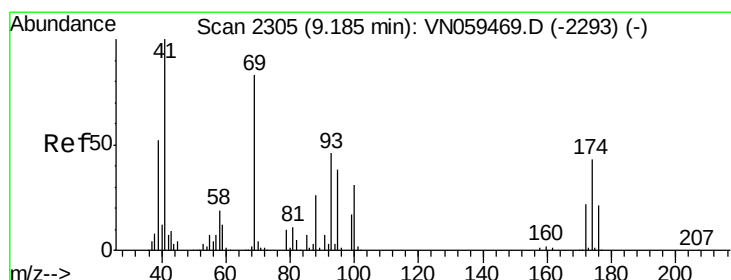
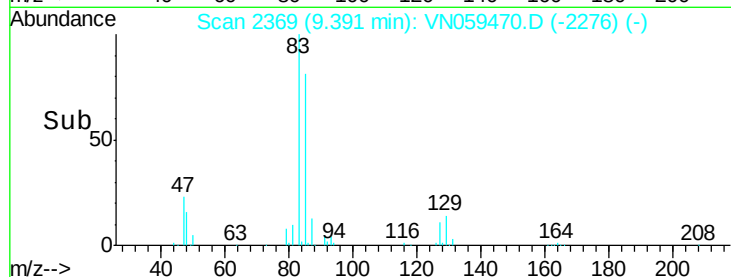
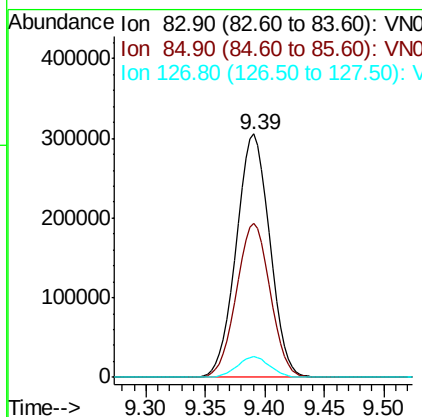
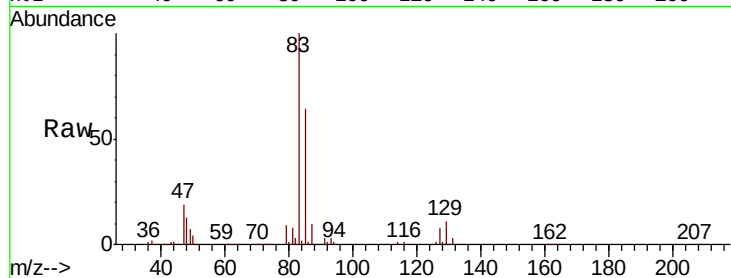
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	597002
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.6
127	8.5	6.6	9.8

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#48

Methyl methacrylate

Concen: 117.156 ug/l

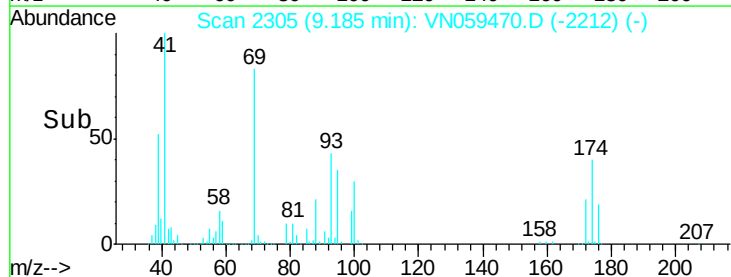
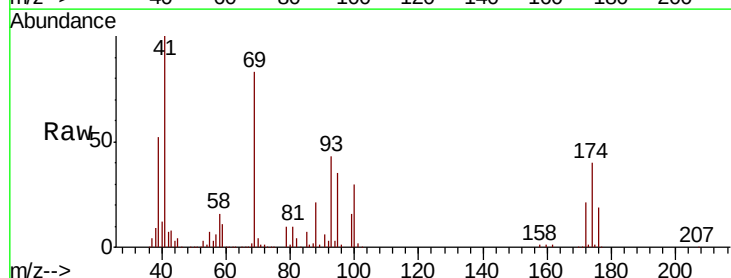
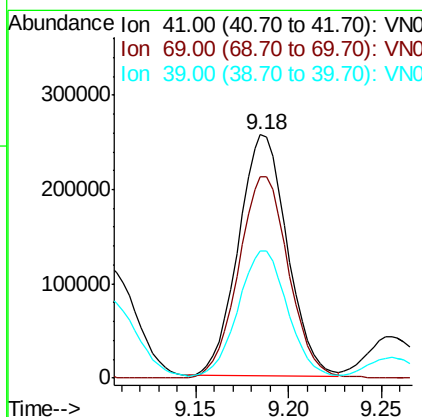
RT: 9.18 min Scan# 2305

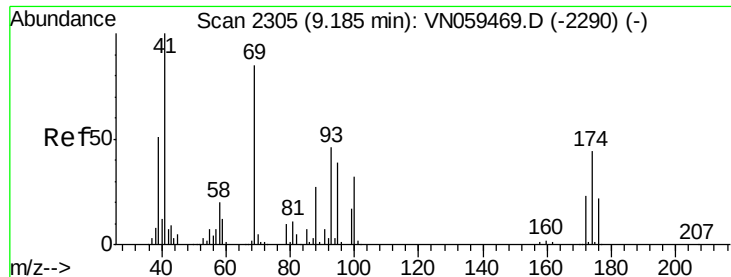
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	41	Resp:	470340
Ion	Ratio	Lower	Upper
41	100		
69	85.8	68.6	103.0
39	53.9	43.2	64.8





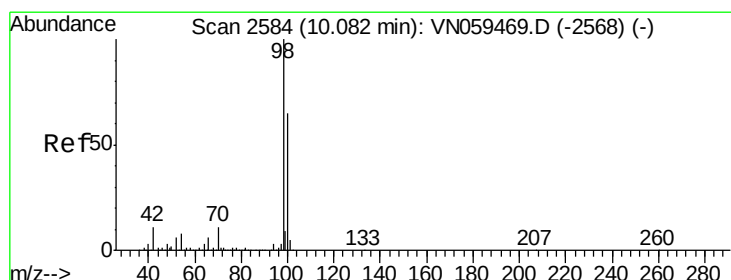
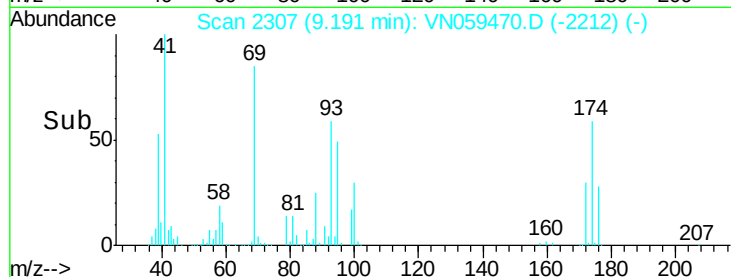
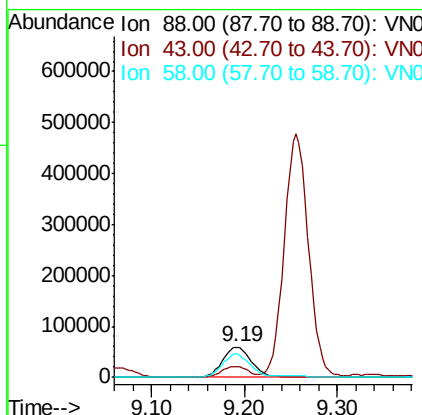
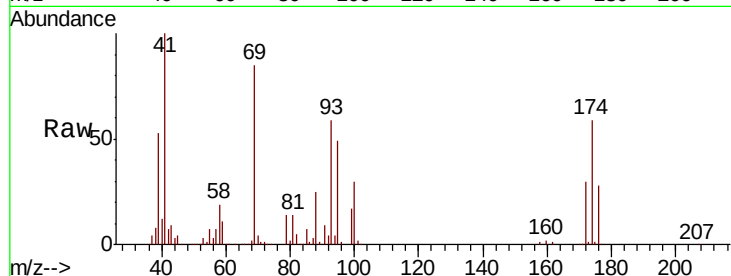
#49
1,4-Dioxane
Concen: 2276.691 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.1	40.7
58	73.7	57.8	86.6

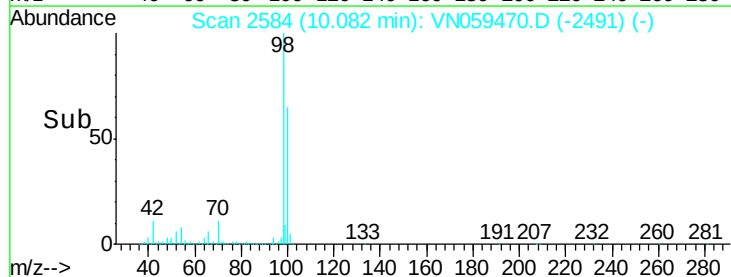
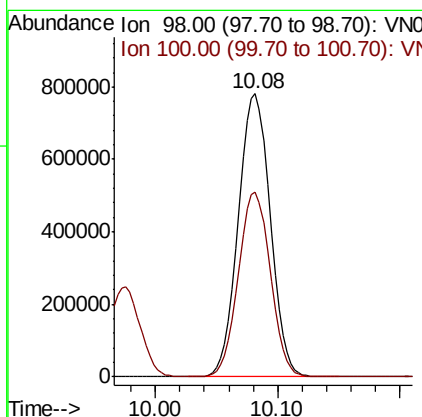
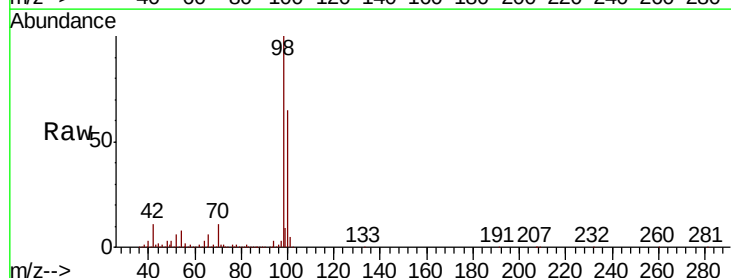
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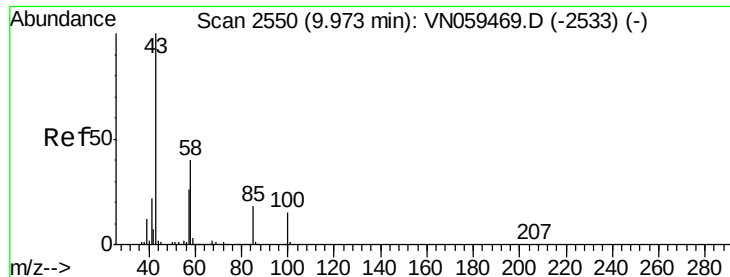
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#50
Toluene-d8
Concen: 101.965 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 564.283 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2976609

Ion Ratio Lower Upper

43 100

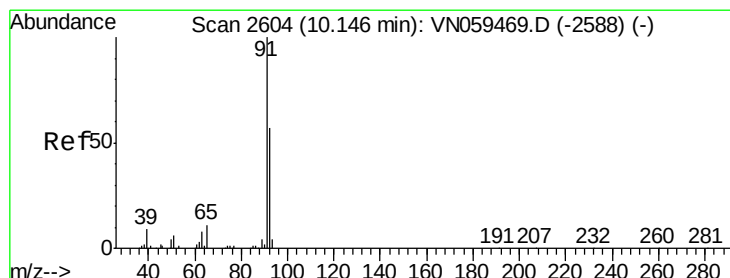
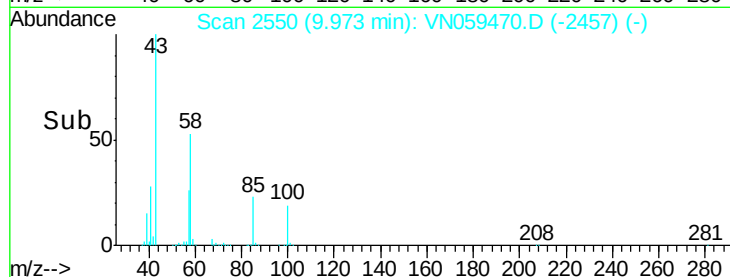
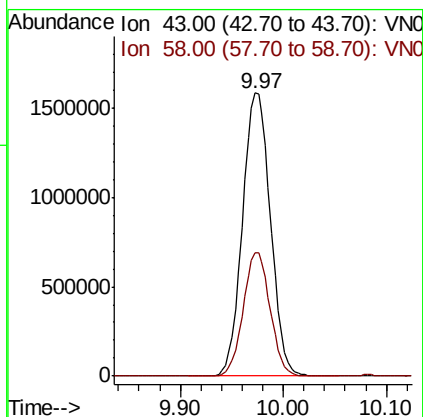
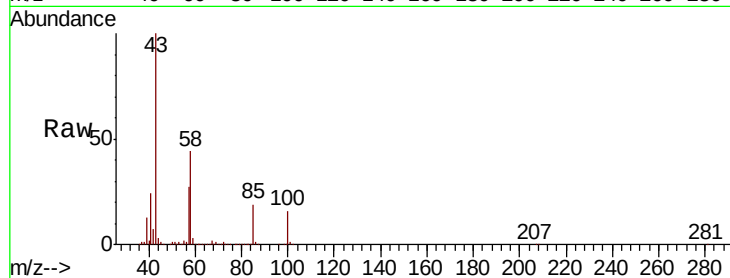
58 41.9 32.1 48.1

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#52

Toluene

Concen: 108.860 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059470.D

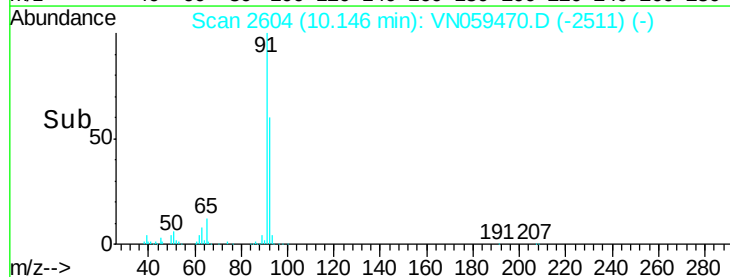
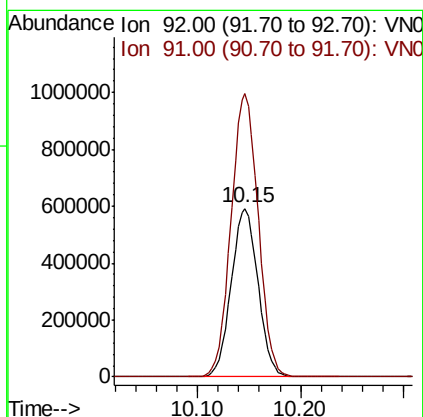
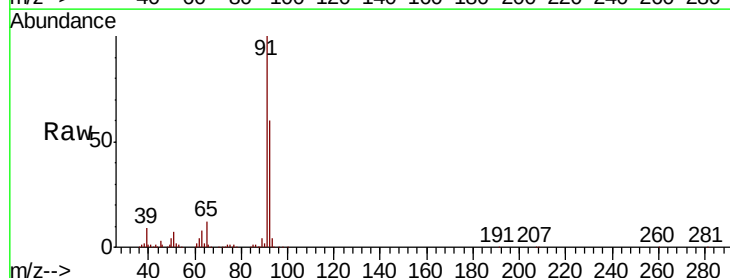
Acq: 3 Dec 2019 14:47

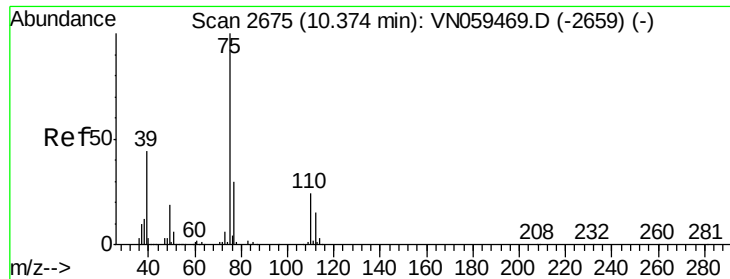
Tgt Ion: 92 Resp: 1071902

Ion Ratio Lower Upper

92 100

91 170.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 113.081 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 700687

Ion Ratio Lower Upper

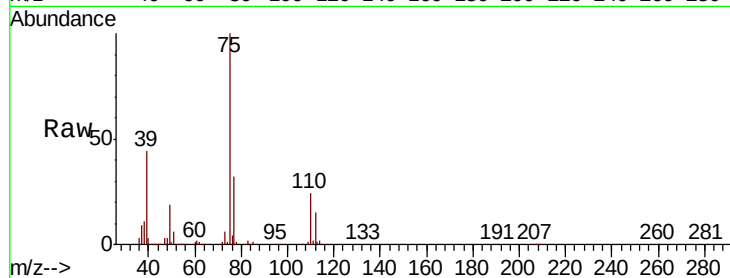
75 100

77 31.6 25.0 37.6

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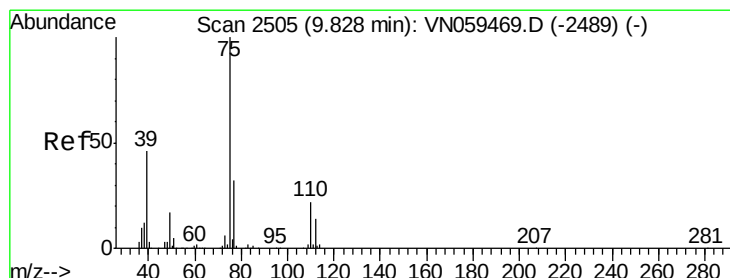
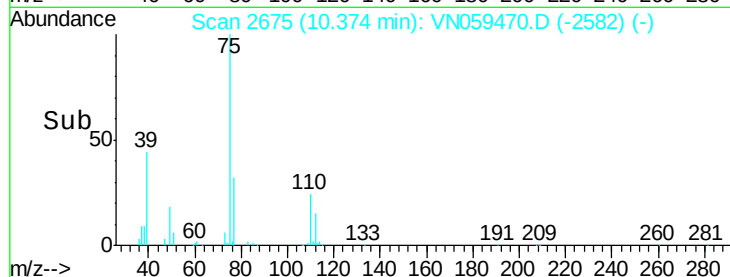
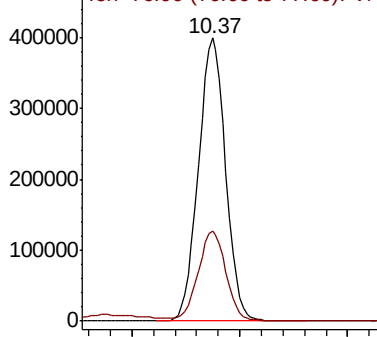
apatel

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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: 113.441 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

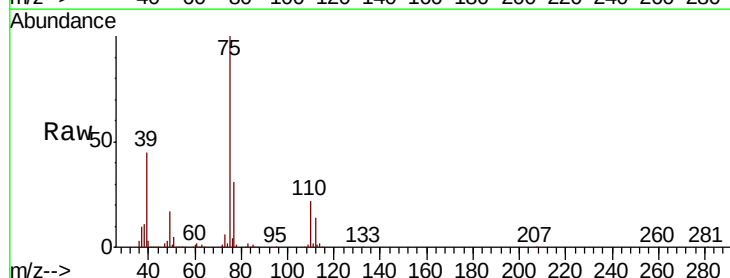
Tgt Ion: 75 Resp: 755916

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

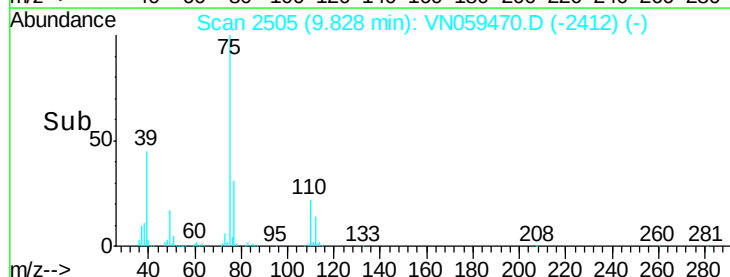
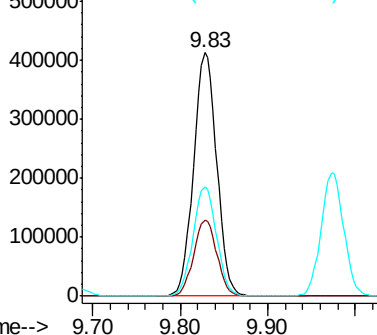
39 44.8 36.6 54.8

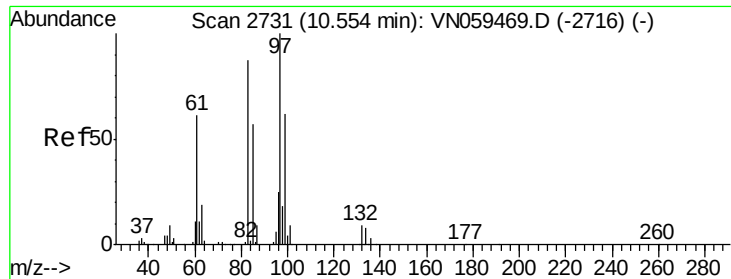


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





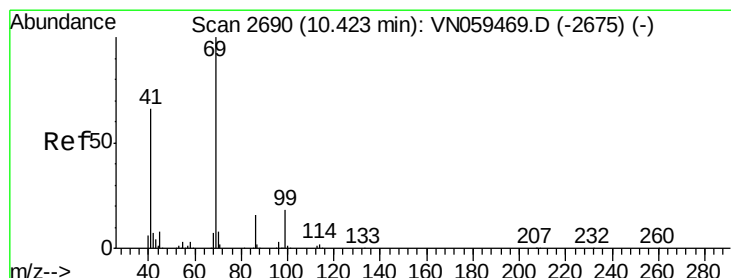
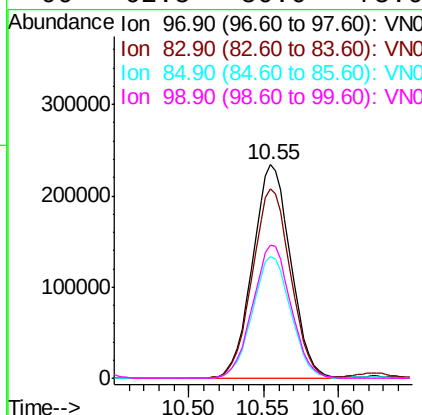
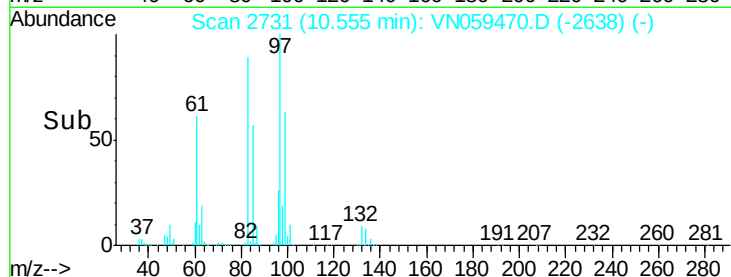
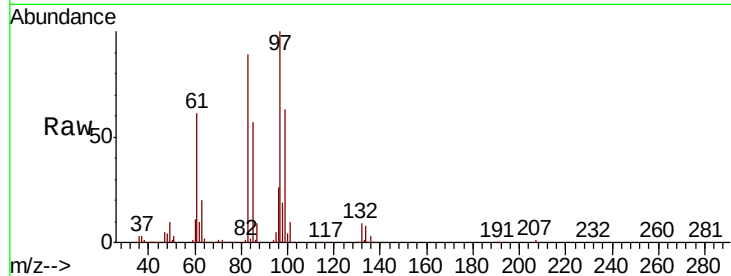
#55
 1,1,2-Trichloroethane
 Concen: 107.189 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	414818
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	57.2	45.5	68.3
99	62.5	50.0	75.0

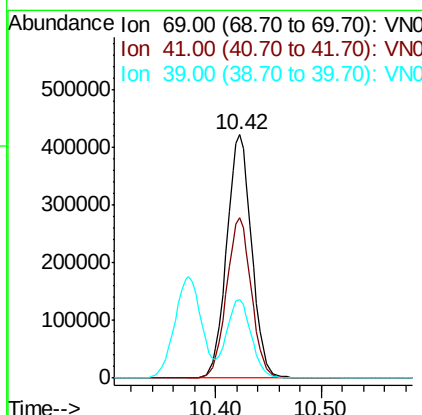
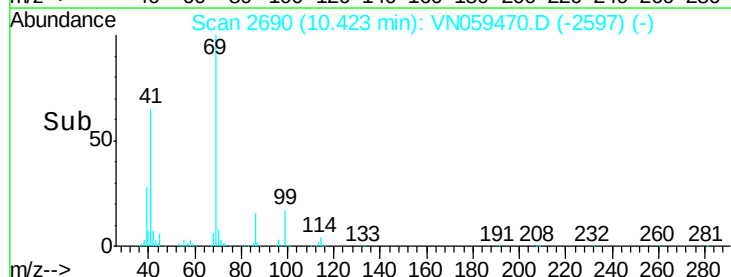
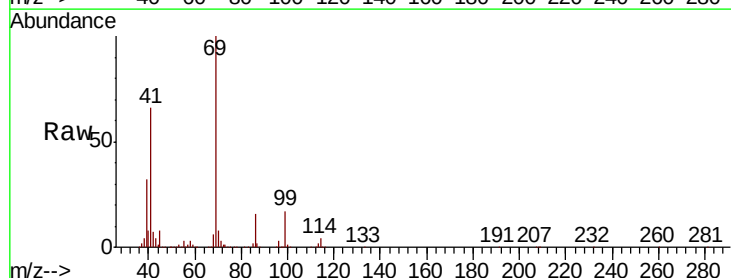
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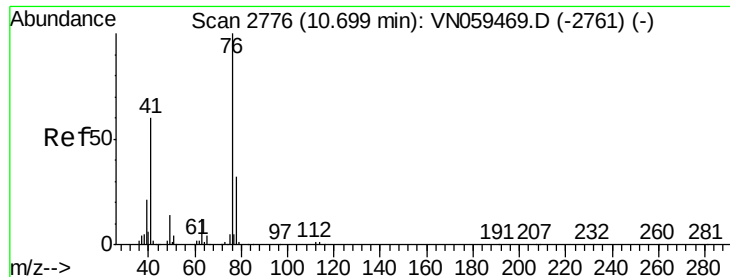
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#56
 Ethyl methacrylate
 Concen: 121.181 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion:	69	Resp:	684815
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.7	79.1
39	31.8	25.0	37.6





#57

1,3-Dichloropropane

Concen: 109.287 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 728306

Ion Ratio Lower Upper

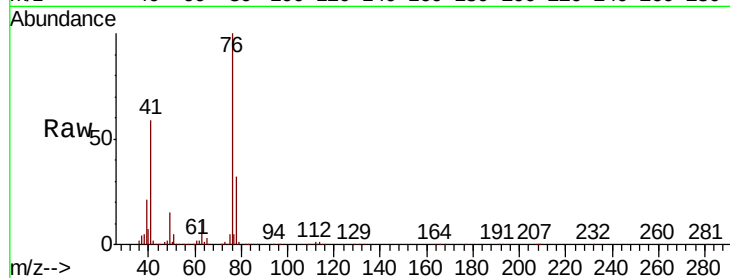
76 100

78 32.1 25.8 38.8

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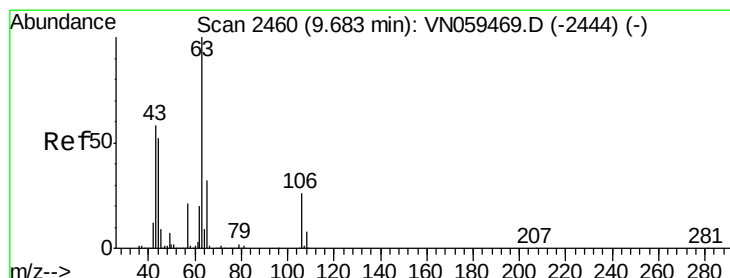
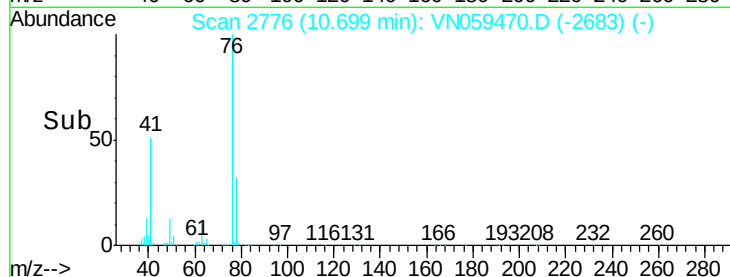
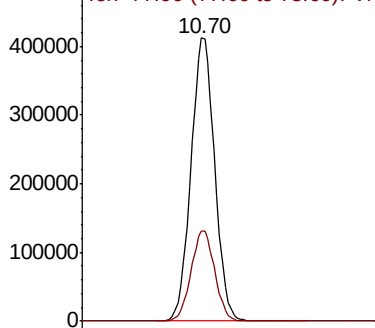
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 719.889 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059470.D

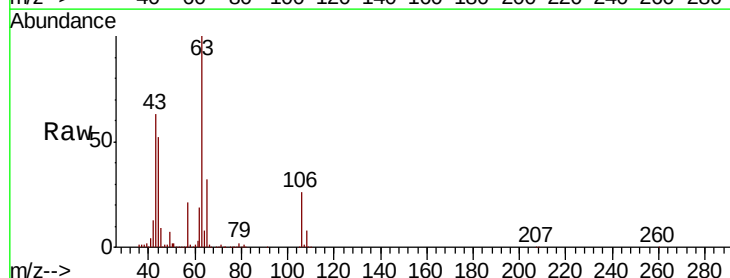
Acq: 3 Dec 2019 14:47

Tgt Ion: 63 Resp: 1172959

Ion Ratio Lower Upper

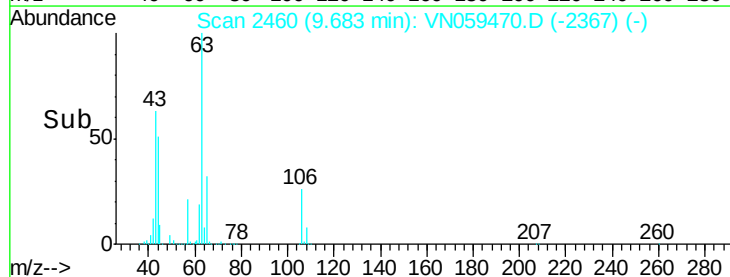
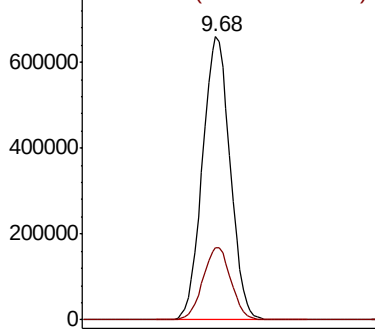
63 100

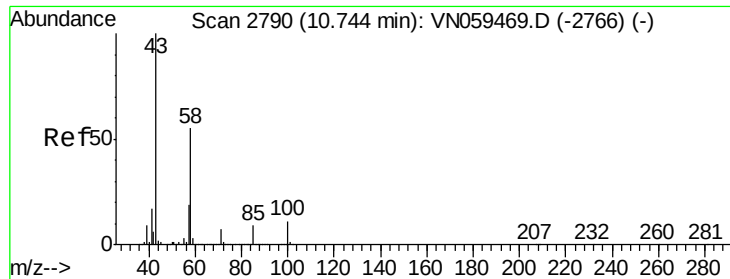
106 25.8 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





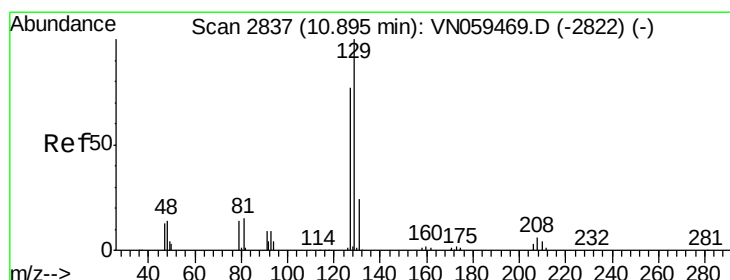
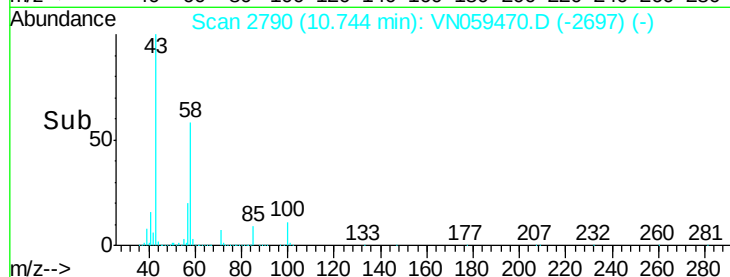
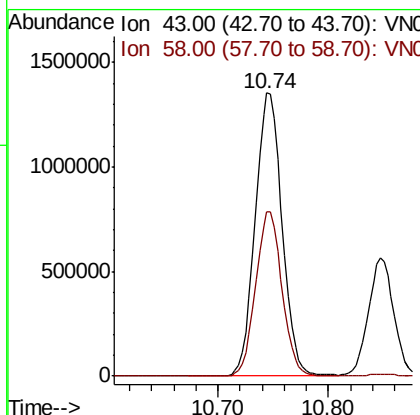
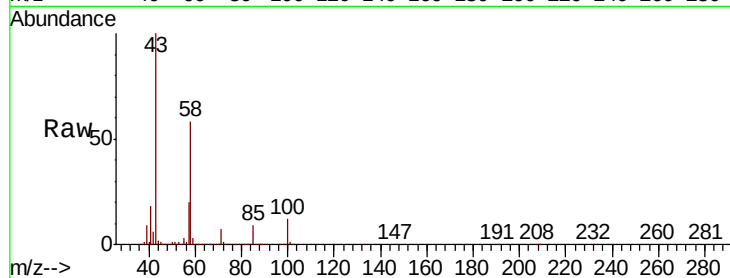
#59
2-Hexanone
Concen: 583.107 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 2286734
Ion Ratio Lower Upper
43 100
58 56.9 27.7 83.0

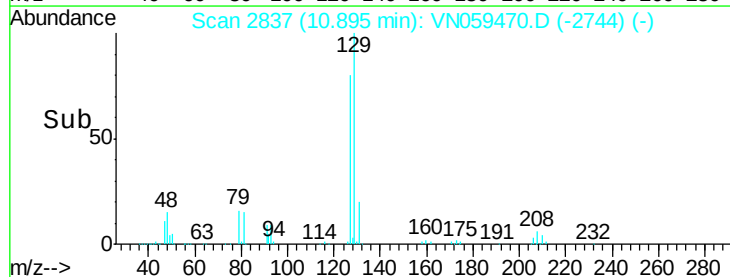
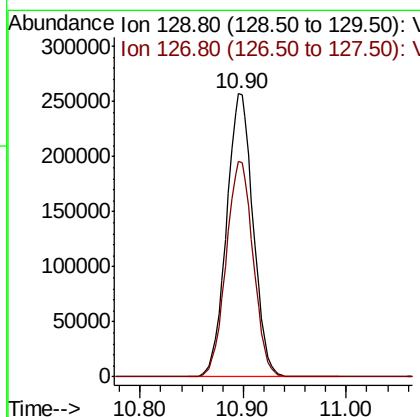
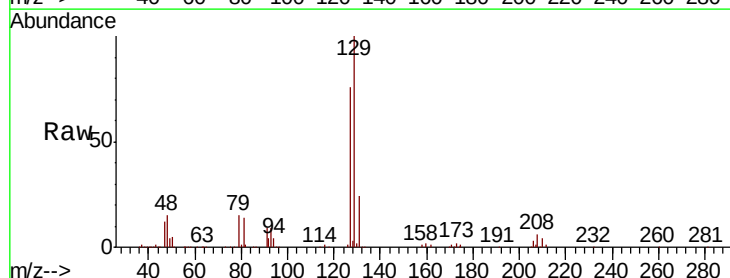
Manual Integrations
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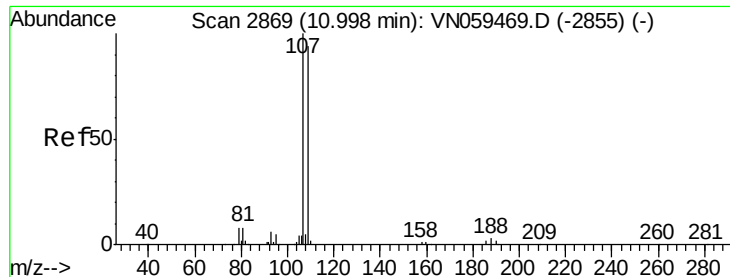
apatel
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#60
Dibromochloromethane
Concen: 114.752 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 129 Resp: 461767
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9





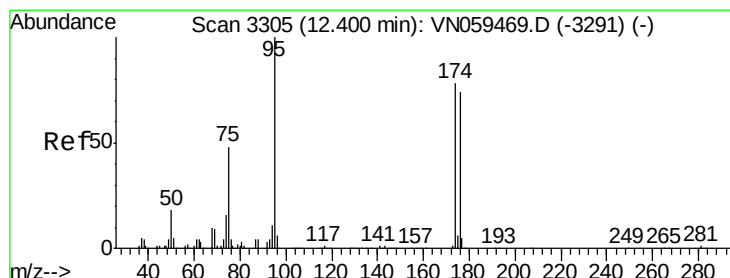
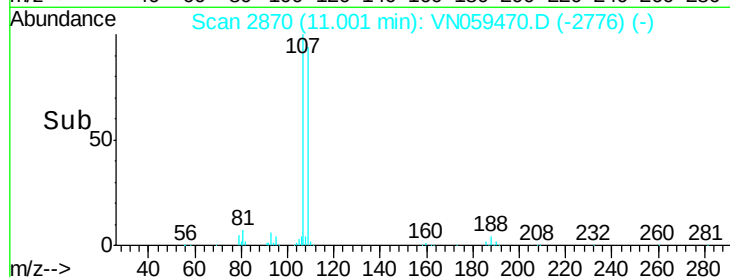
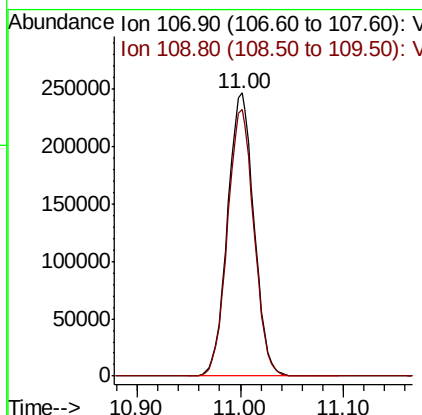
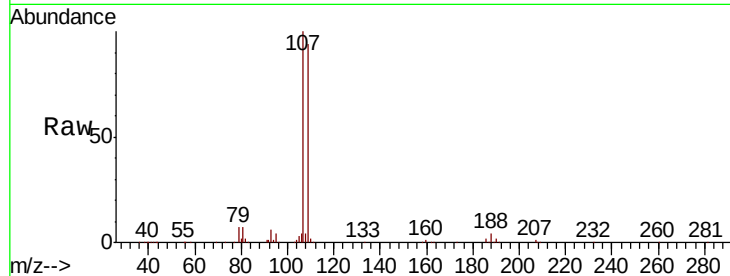
#61
 1,2-Dibromoethane
 Concen: 111.192 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 440921
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0

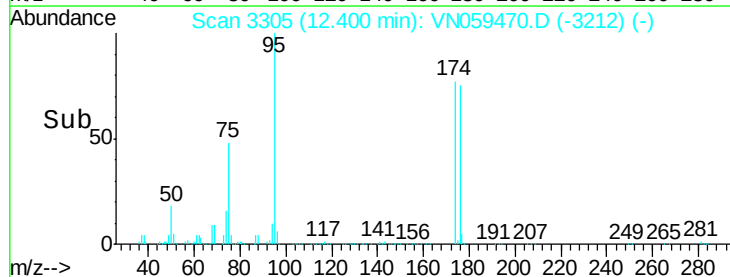
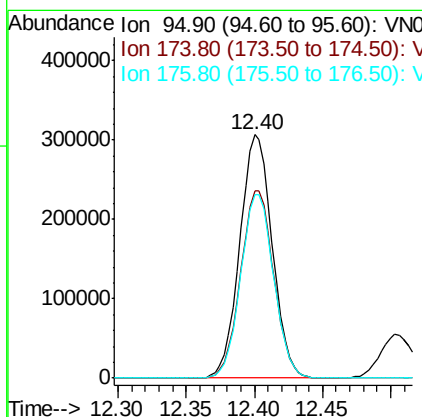
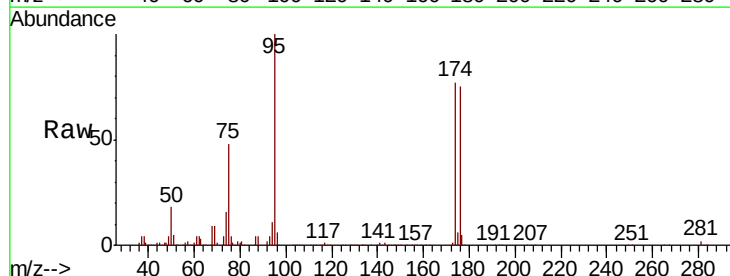
Manual Integrations
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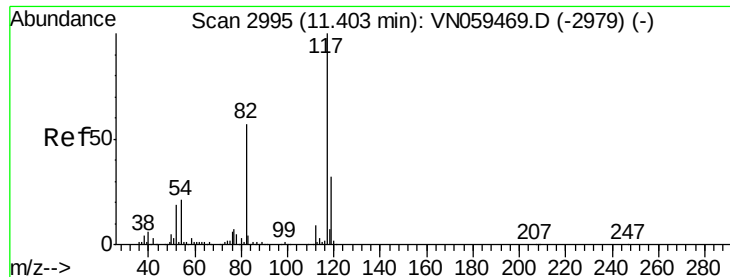
apatel
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#62
 4-Bromofluorobenzene
 Concen: 104.474 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 95 Resp: 506754
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.0
 176 76.6 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

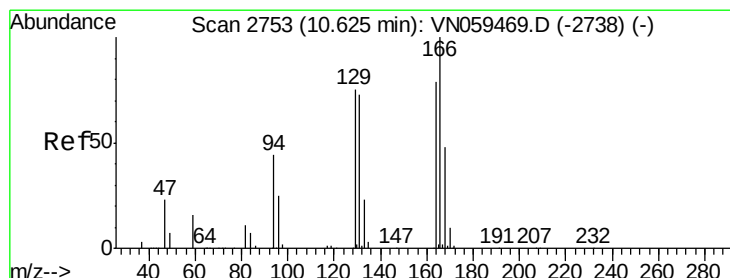
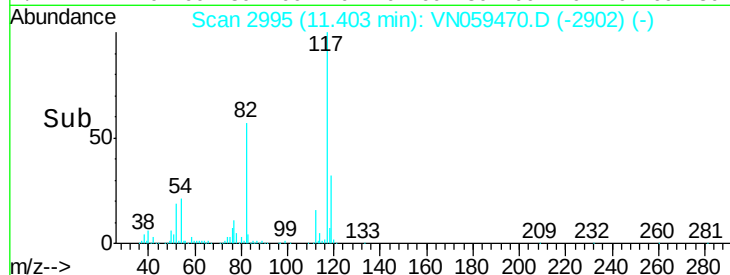
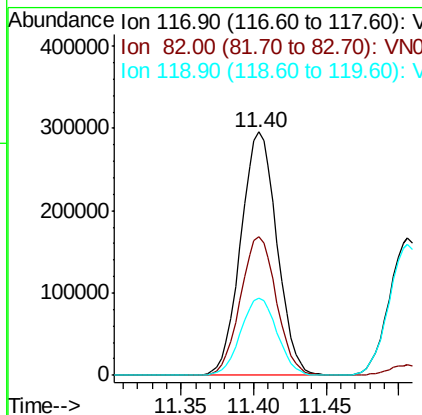
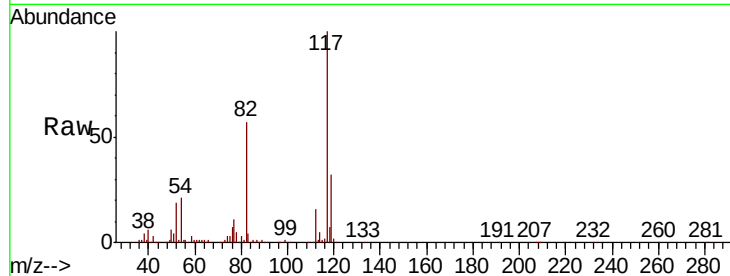
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	512696
Ion Ratio		Lower	Upper
117	100		
82	57.1	45.8	68.8
119	31.7	25.4	38.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 109.622 ug/l

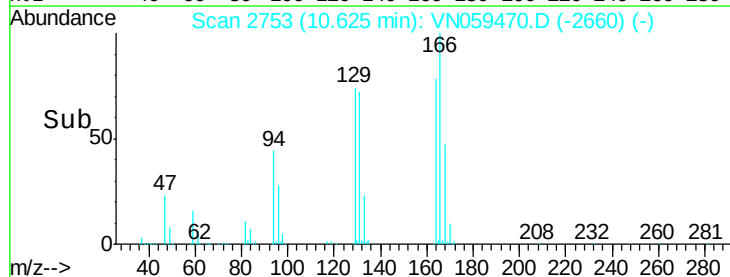
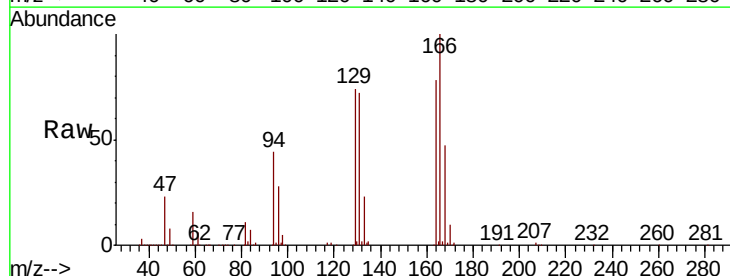
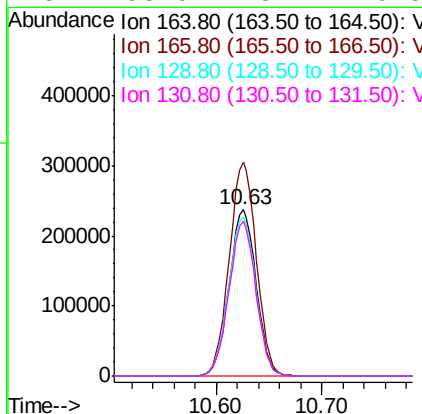
RT: 10.63 min Scan# 2753

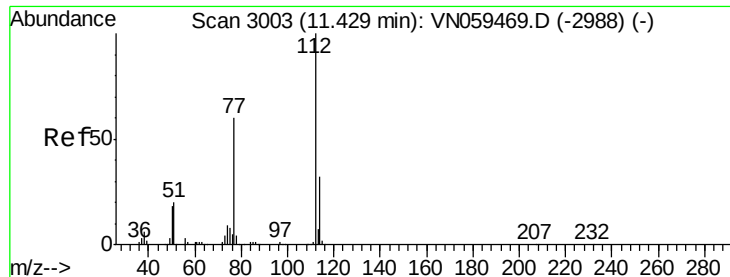
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	164	Resp:	421264
Ion Ratio		Lower	Upper
164	100		
166	128.6	101.2	151.8
129	95.3	76.1	114.1
131	93.0	73.7	110.5





#65

Chlorobenzene

Concen: 105.825 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1110527

Ion Ratio Lower Upper

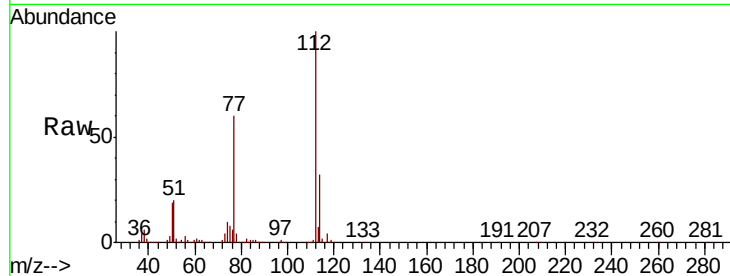
112 100

114 32.0 25.7 38.5

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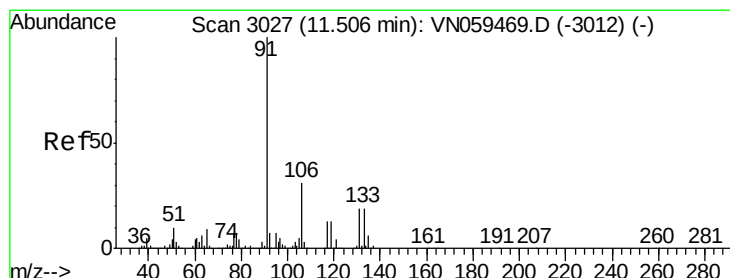
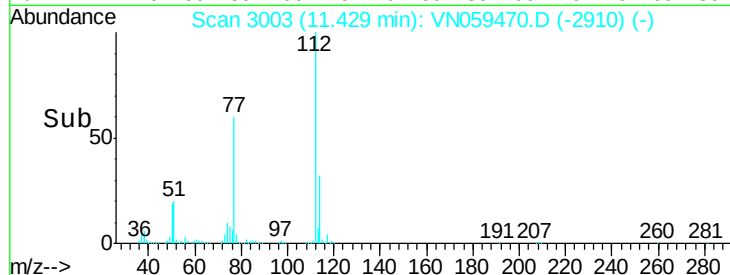
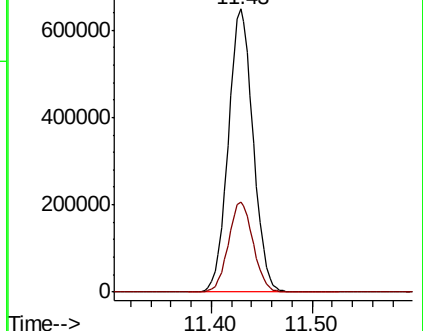
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 108.837 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

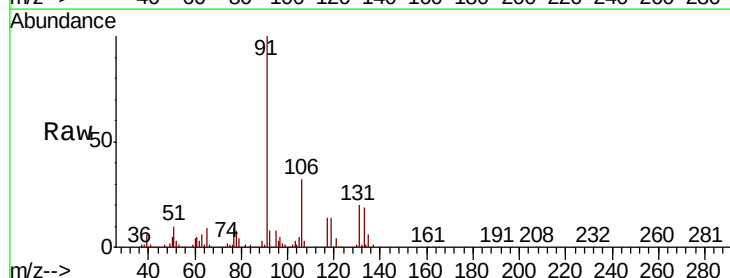
Tgt Ion:131 Resp: 414682

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

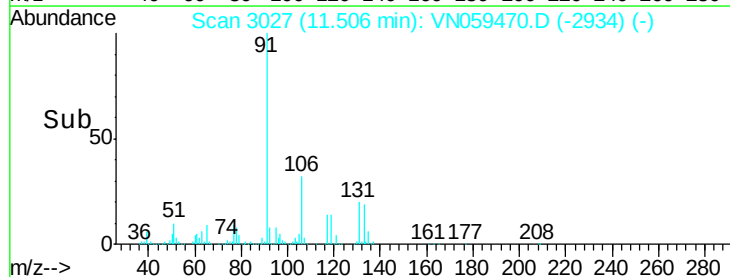
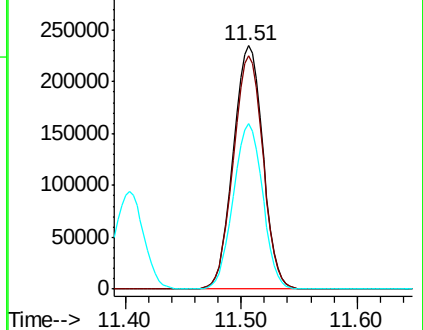
119 67.6 33.9 101.6

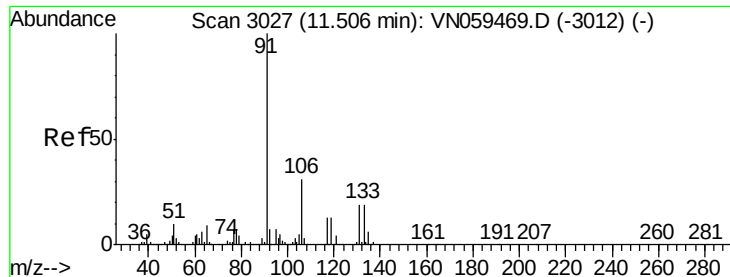


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 108.778 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2010366

Ion Ratio Lower Upper

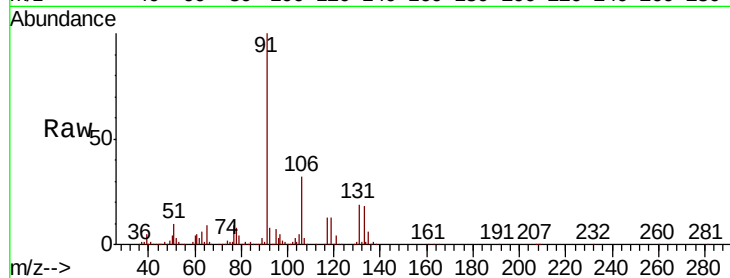
91 100

106 32.2 24.7 37.1

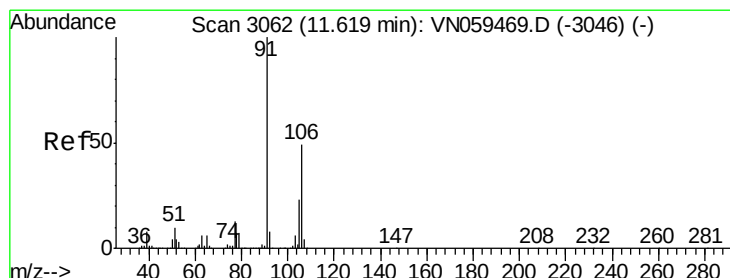
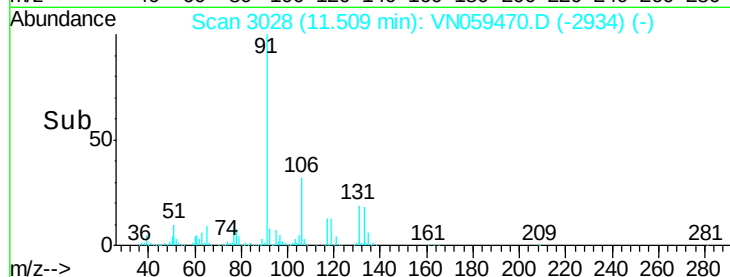
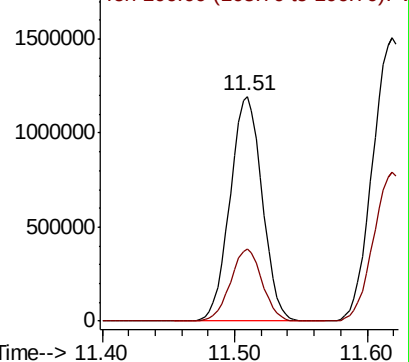
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Abundance Ion 91.00 (90.70 to 91.70): VN059470.D (-2934) (-)



#68

m/p-Xylenes

Concen: 220.135 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059470.D

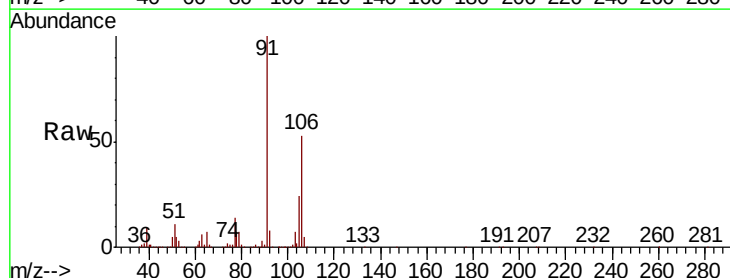
Acq: 3 Dec 2019 14:47

Tgt Ion: 106 Resp: 1522544

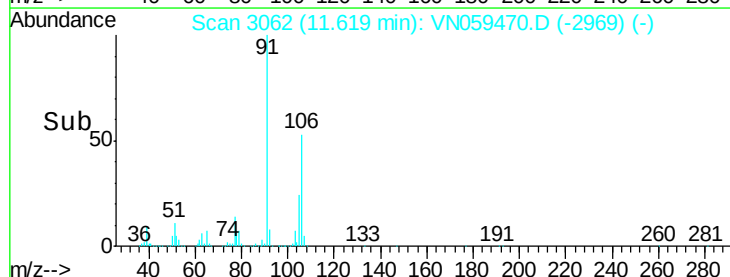
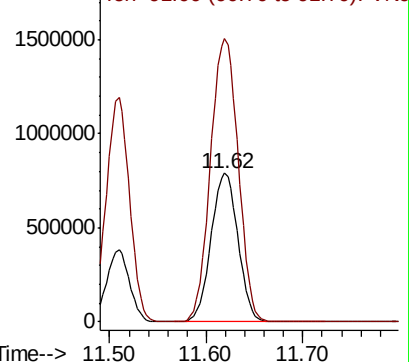
Ion Ratio Lower Upper

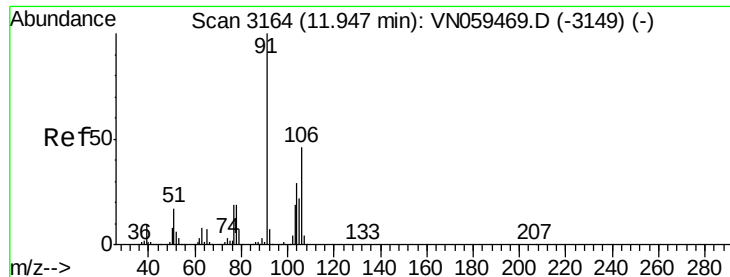
106 100

91 196.8 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059470.D (-2969) (-)





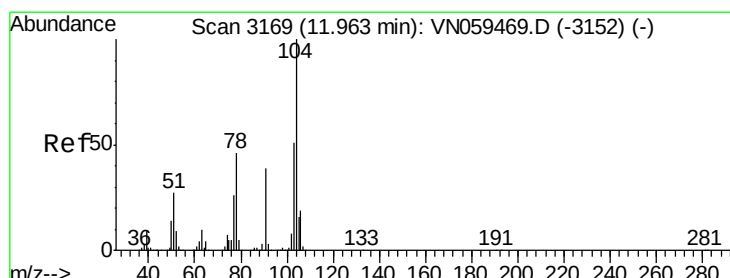
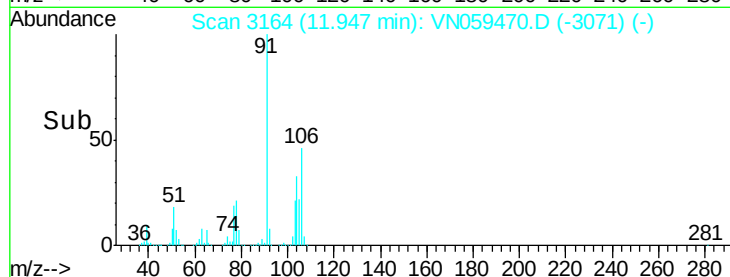
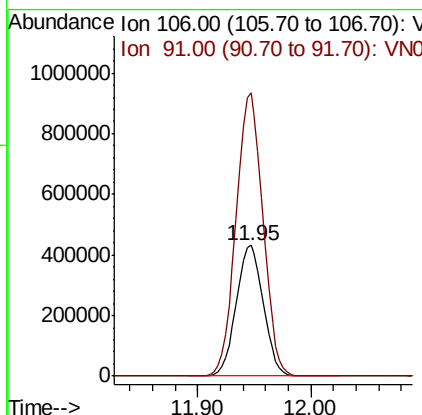
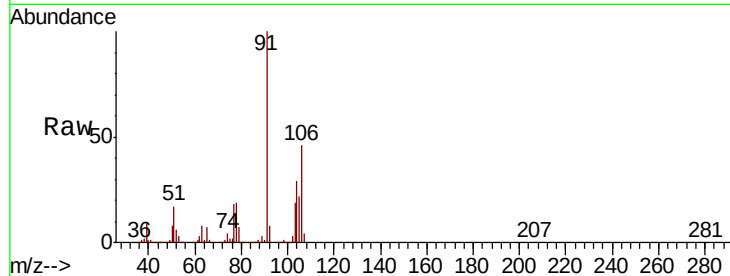
#69
o-Xylene
Concen: 108.695 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.1	108.5	325.3

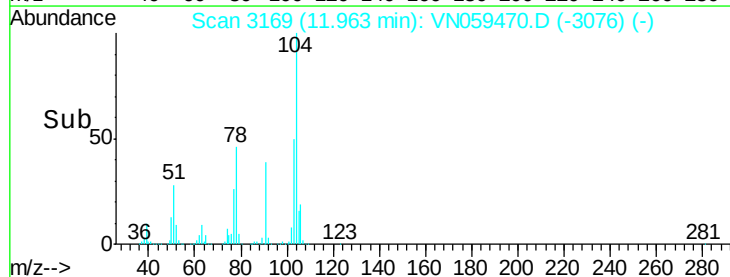
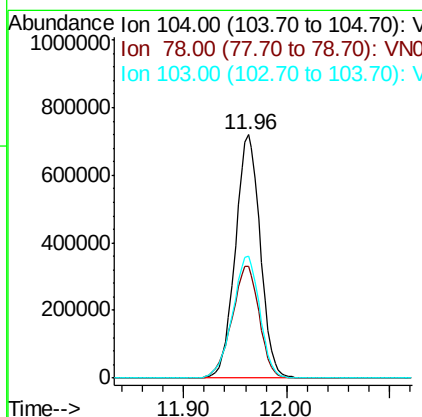
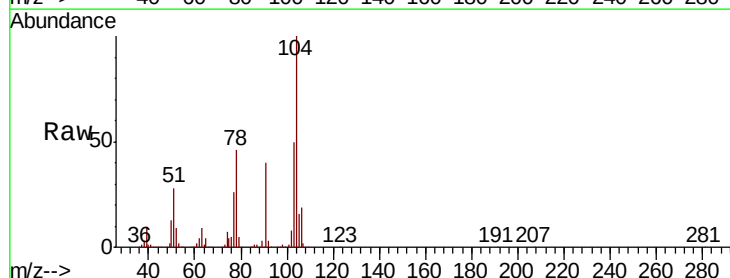
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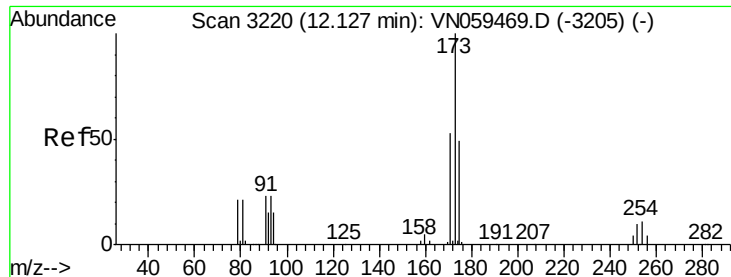
apatel
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#70
Styrene
Concen: 117.101 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.5	41.0	61.4
103	103	54.7	44.7	67.1





#71

Bromoform

Concen: 116.465 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

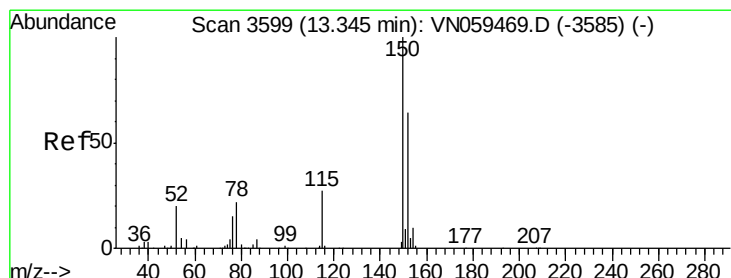
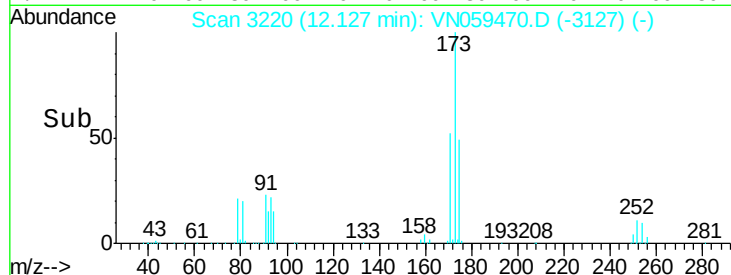
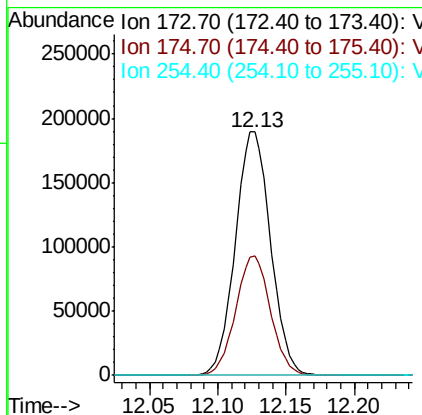
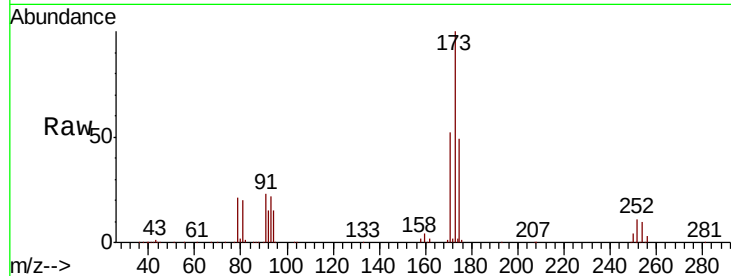
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.1	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

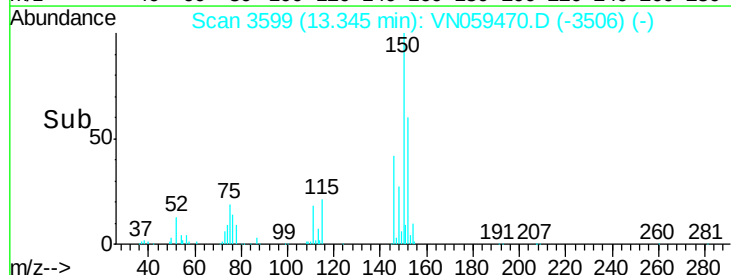
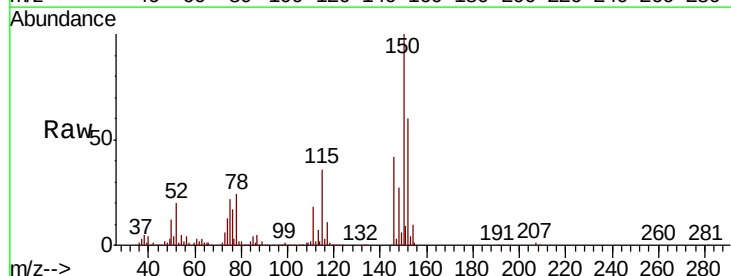
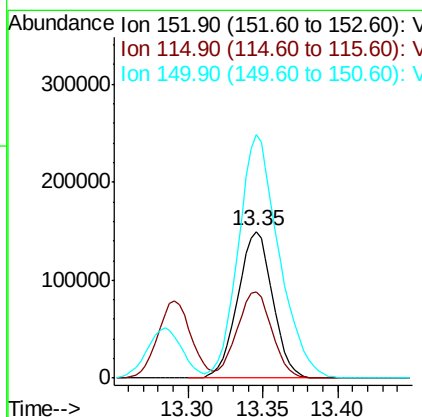
RT: 13.35 min Scan# 3599

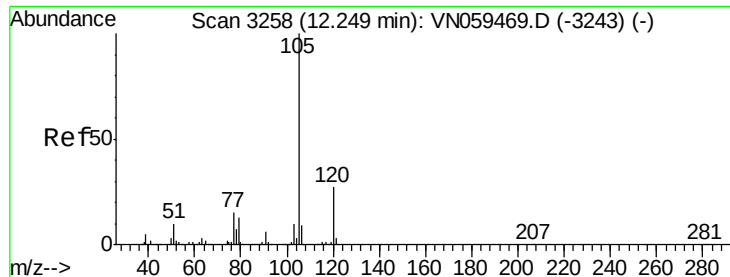
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.2	87.6
150	192.8	0.0	352.8





#73

Isopropylbenzene

Concen: 105.833 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1927807

Ion Ratio Lower Upper

105 100

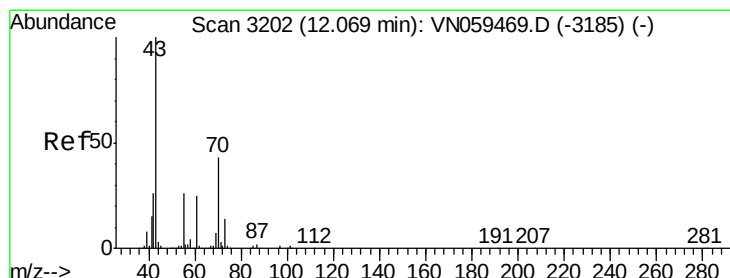
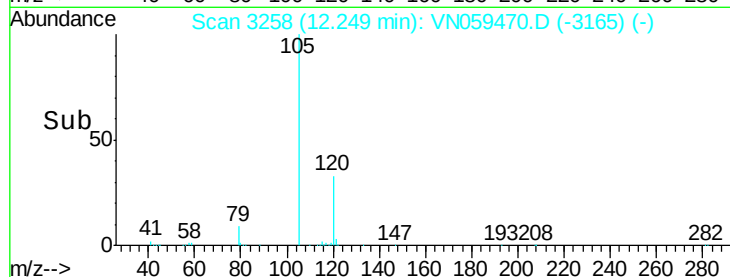
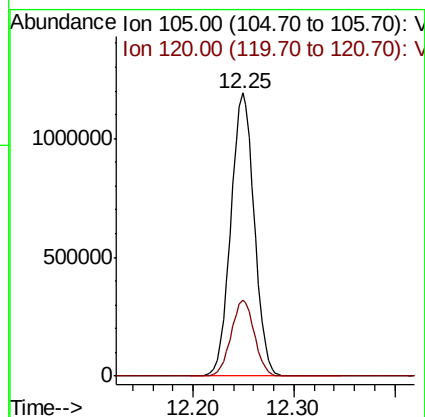
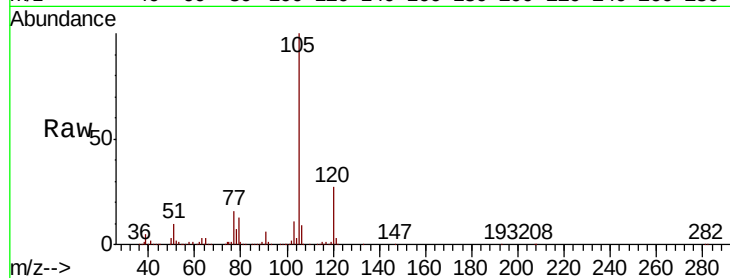
120 26.8 13.2 39.6

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#74

N-ethyl acetate

Concen: 120.306 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion: 43 Resp: 836848

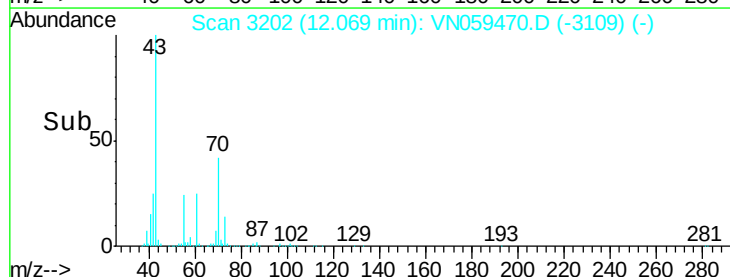
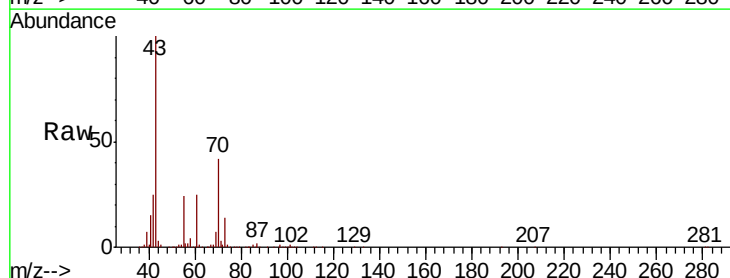
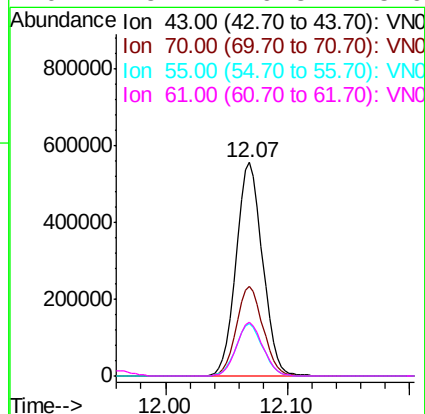
Ion Ratio Lower Upper

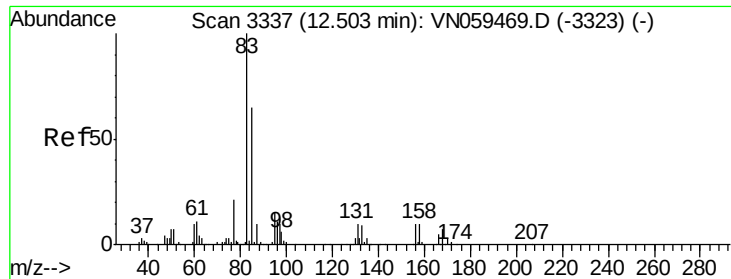
43 100

70 42.3 34.2 51.2

55 24.9 20.6 31.0

61 25.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 102.454 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

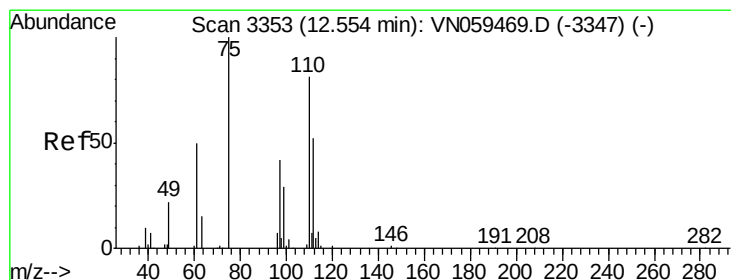
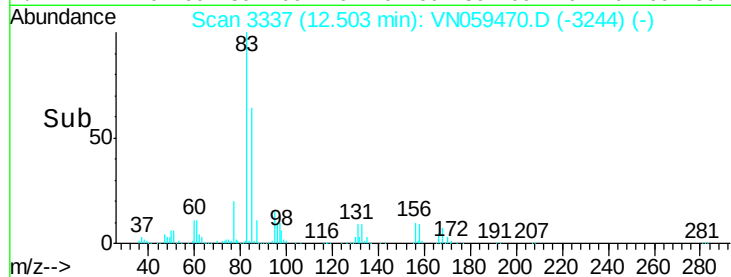
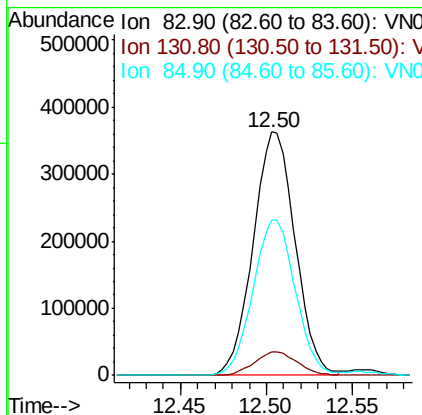
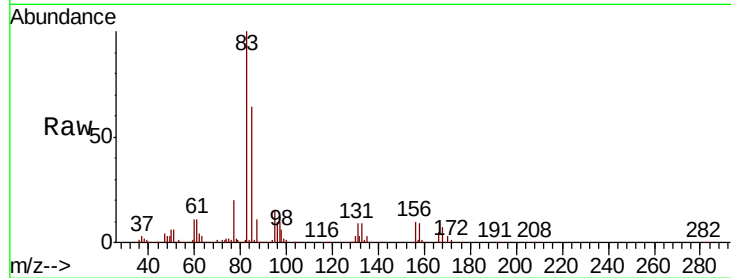
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	612510
Ion Ratio		Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 97.506 ug/l m

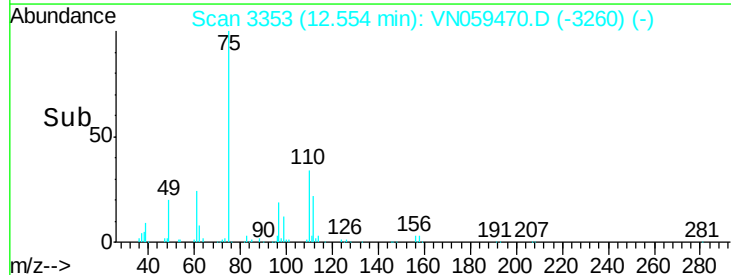
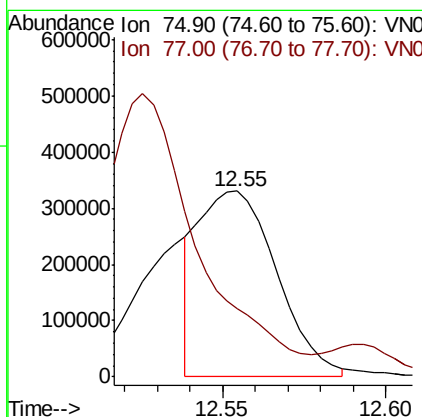
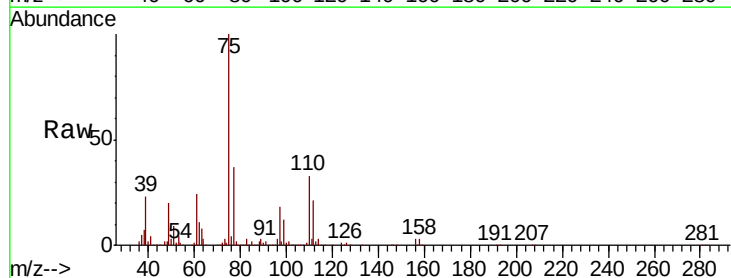
RT: 12.55 min Scan# 3353

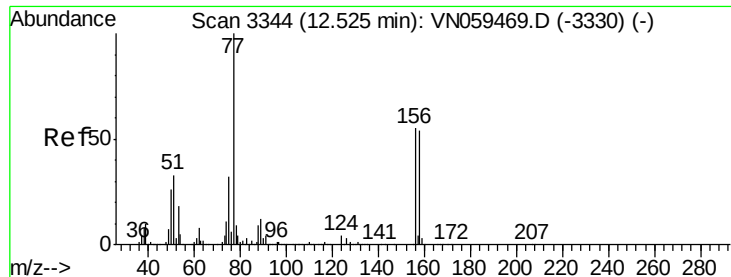
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	75	Resp:	550297
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





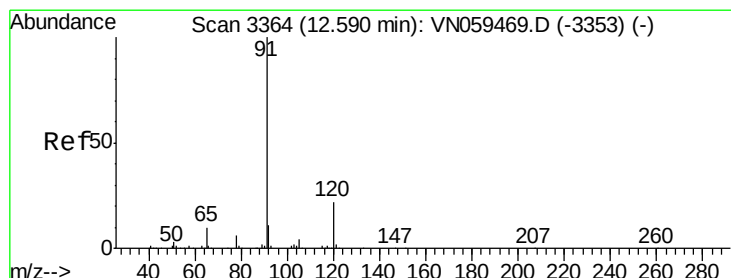
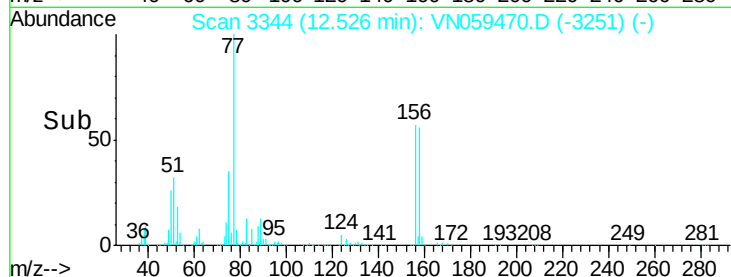
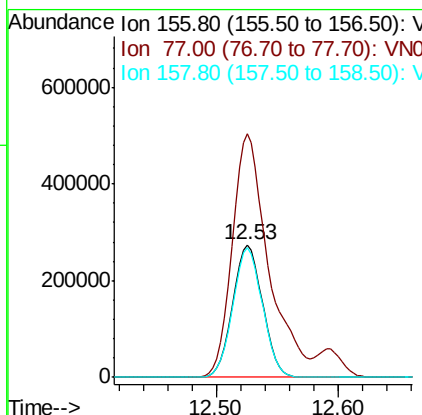
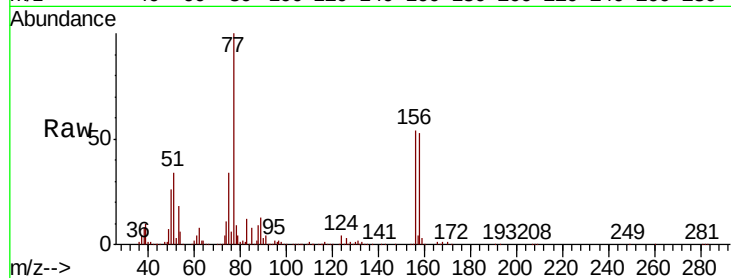
#77
Bromobenzene
Concen: 104.287 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.7	110.3	331.0
158	97.2	48.5	145.5

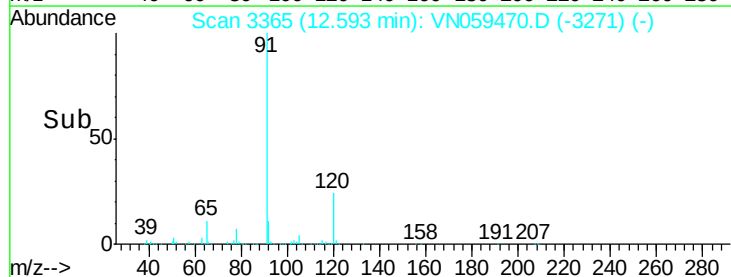
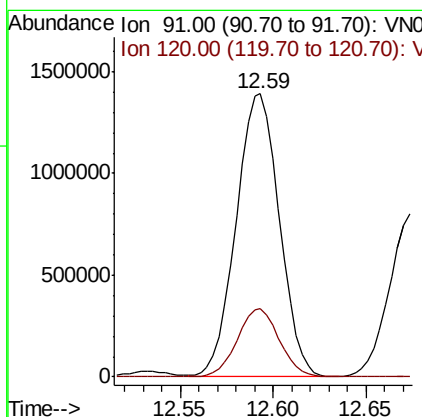
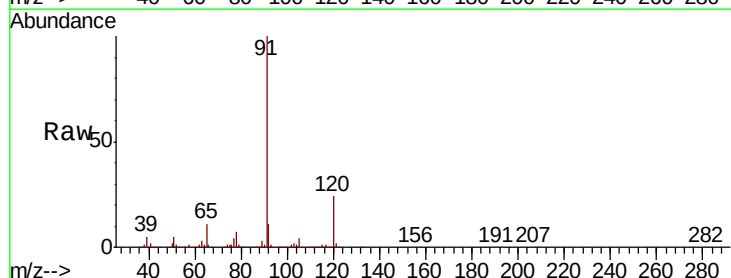
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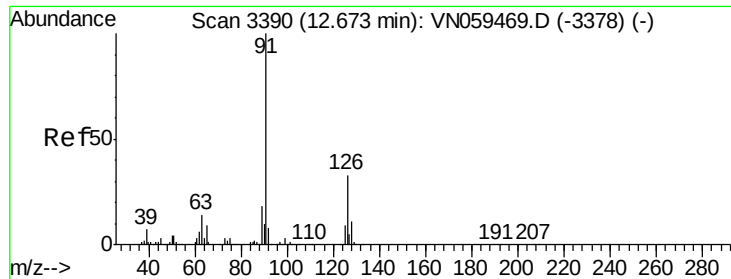
apatel
12/4/2019 9:22:10 AM



#78
n-propylbenzene
Concen: 106.924 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.9





#79

2-Chlorotoluene

Concen: 105.665 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1328080

Ion Ratio Lower Upper

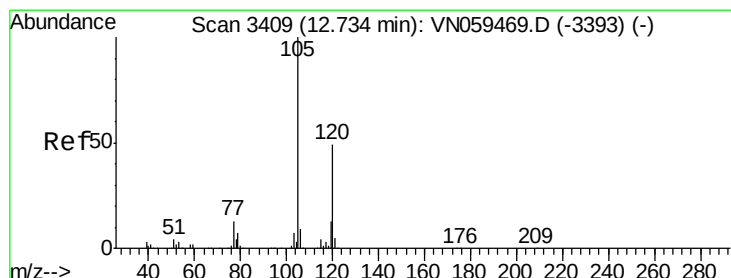
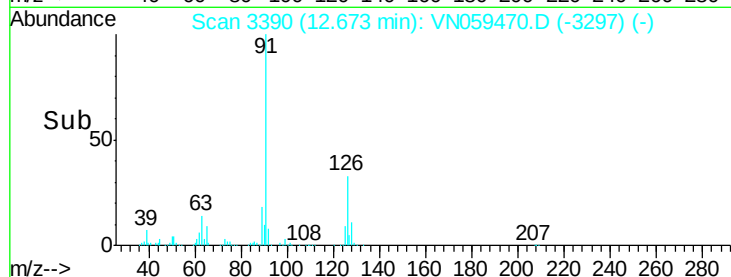
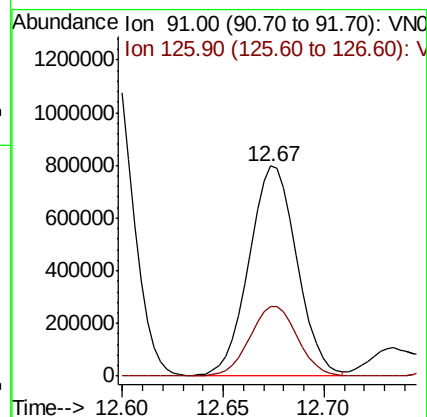
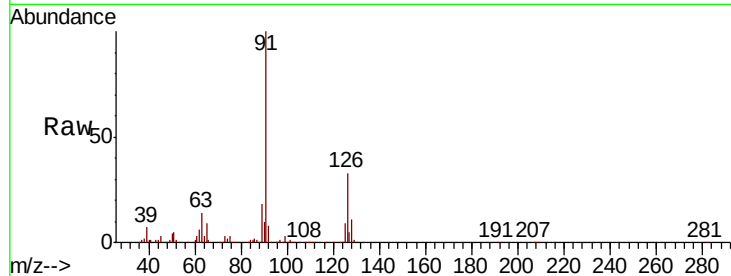
91 100

126 33.2 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 106.229 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059470.D

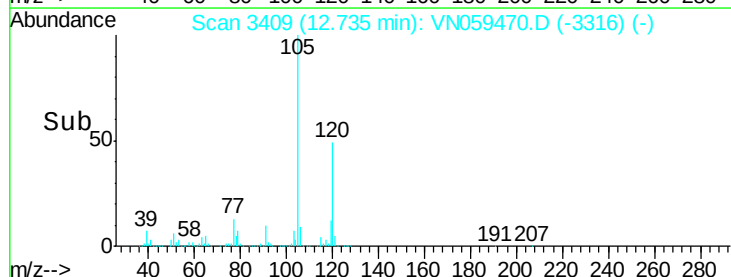
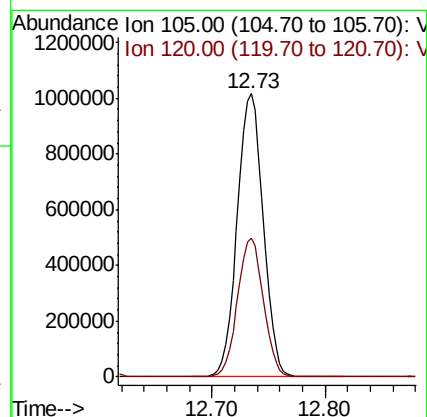
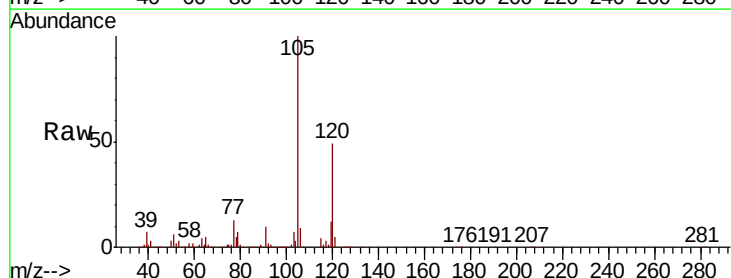
Acq: 3 Dec 2019 14:47

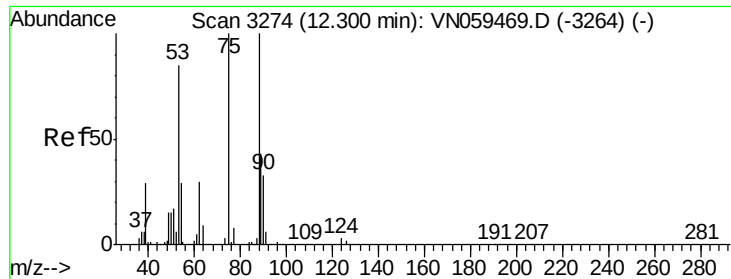
Tgt Ion: 105 Resp: 1626680

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





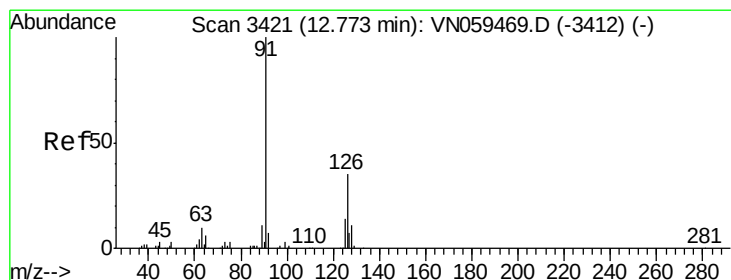
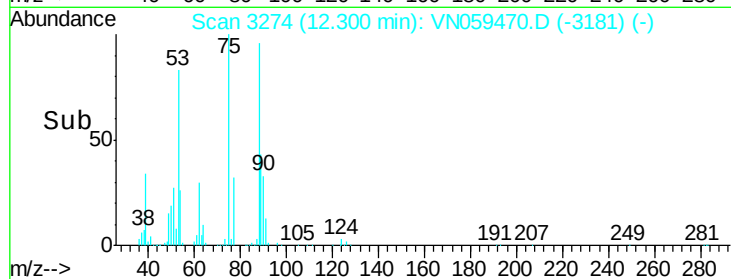
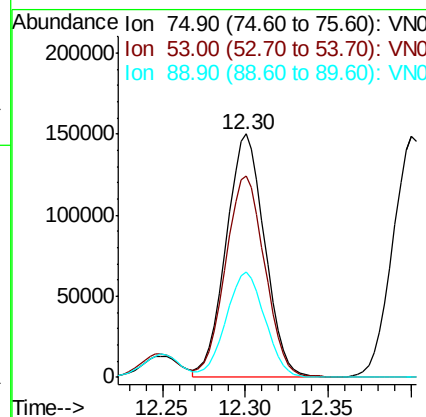
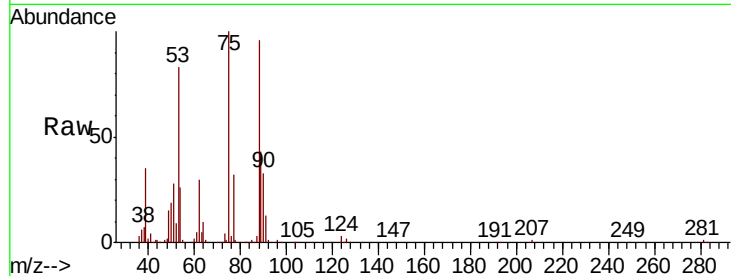
#81
trans-1,4-Dichloro-2-butene
Concen: 110.929 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.5	69.8	104.6
89	43.5	35.2	52.8

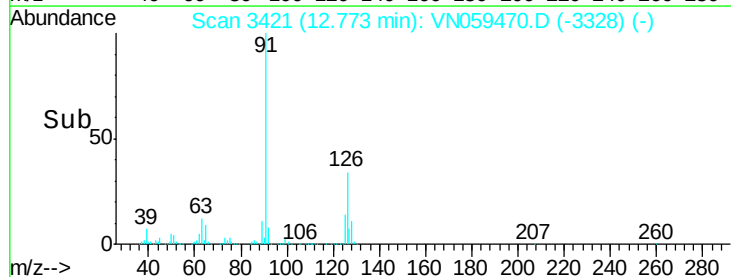
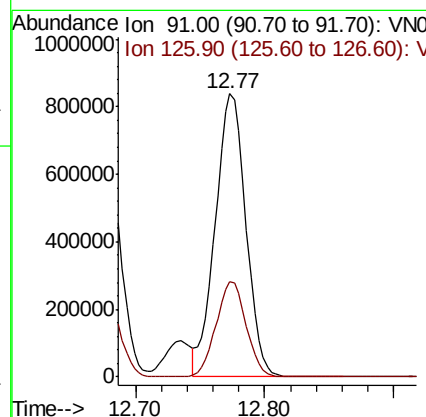
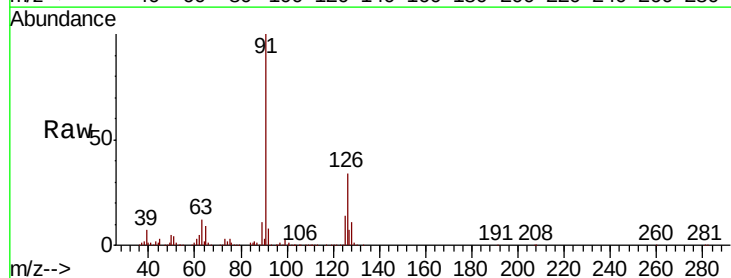
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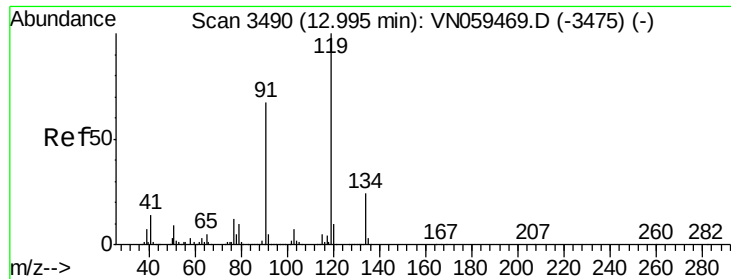
apatel
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#82
4-Chlorotoluene
Concen: 106.418 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.2





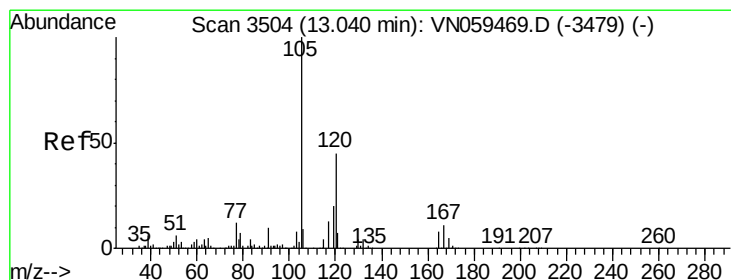
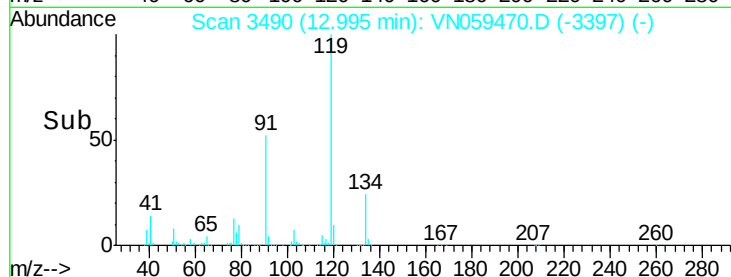
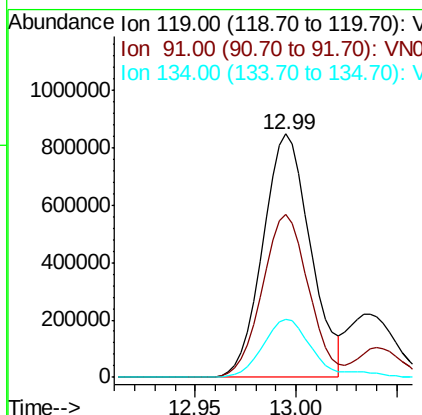
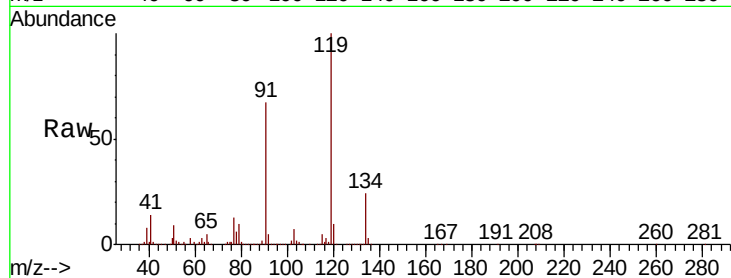
#83
 tert-Butylbenzene
 Concen: 105.570 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.6	97.7
134	25.2	12.6	37.6

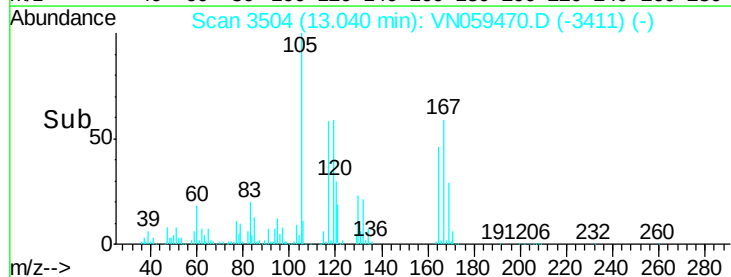
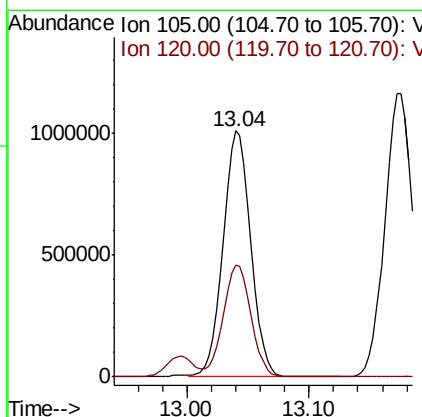
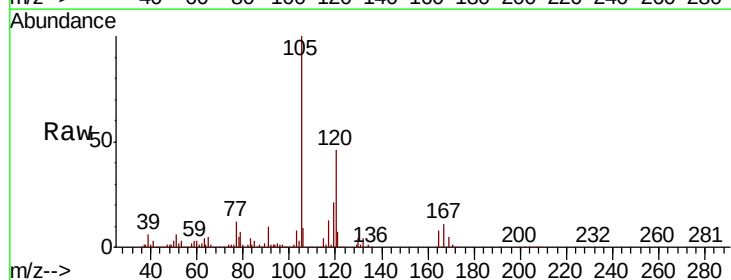
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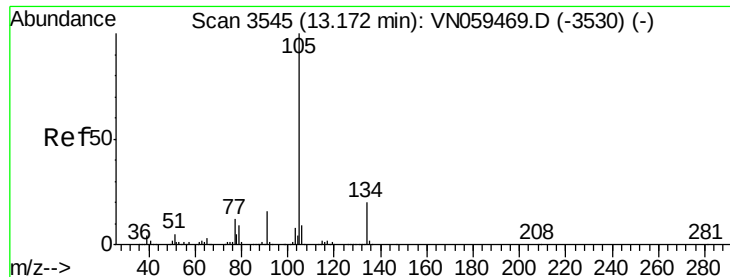
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 106.918 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 107.236 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1875437

Ion Ratio Lower Upper

105 100

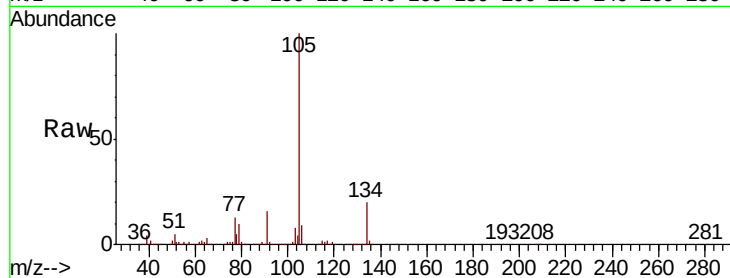
134 20.0 9.8 29.5

Manual Integrations

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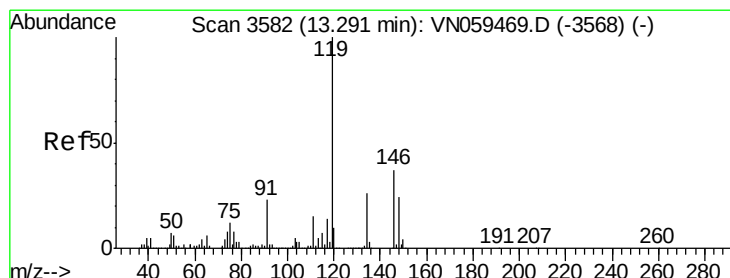
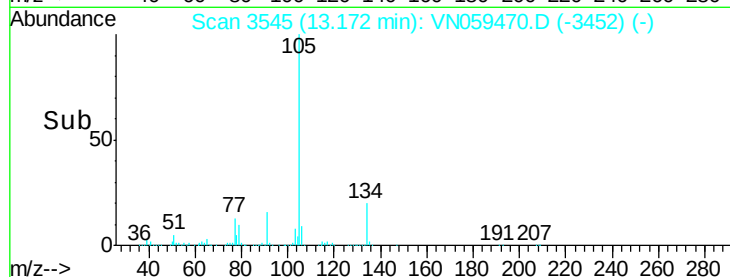
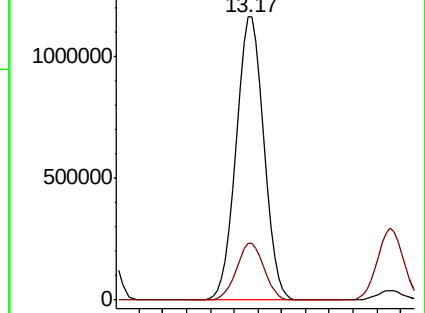
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.702 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

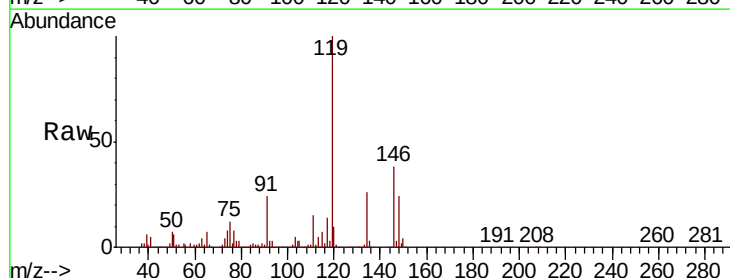
Tgt Ion:119 Resp: 1701340

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

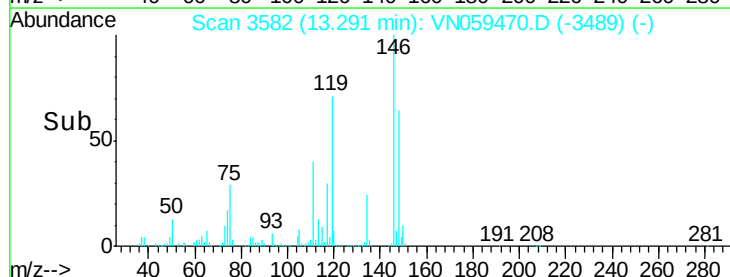
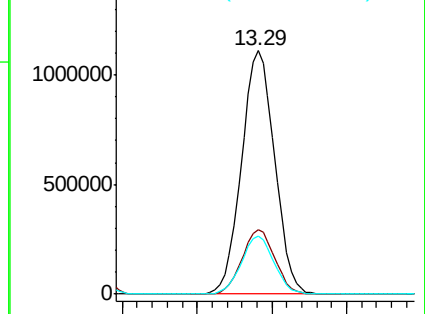
91 23.6 11.7 35.1

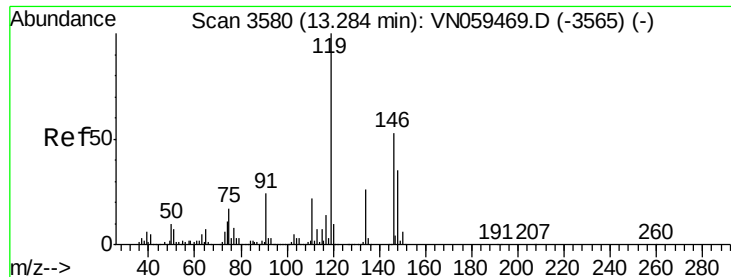


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





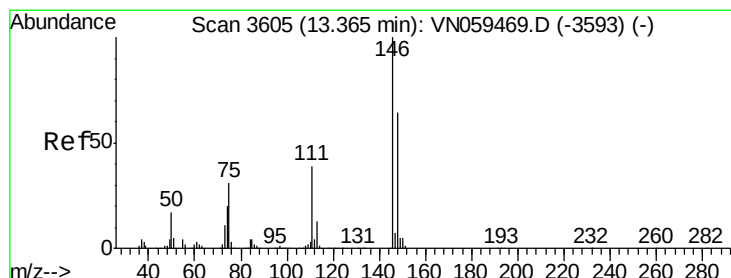
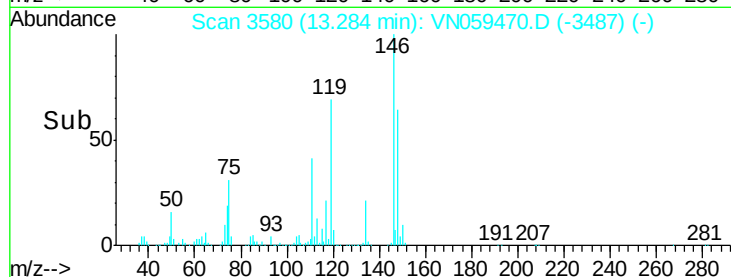
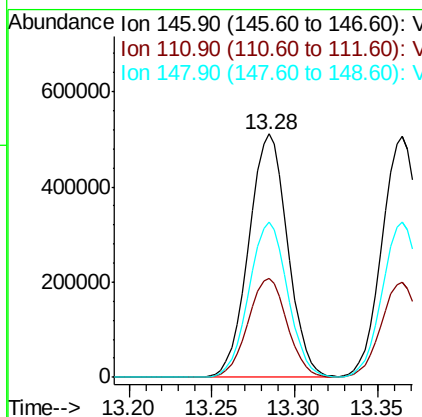
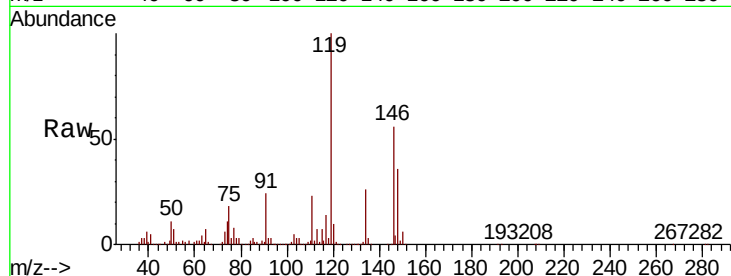
#87
 1,3-Dichlorobenzene
 Concen: 105.848 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	63.6	32.1	96.5

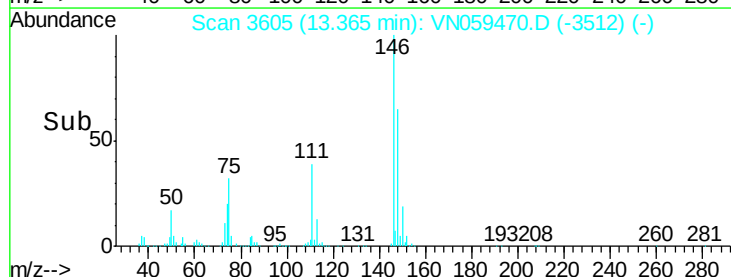
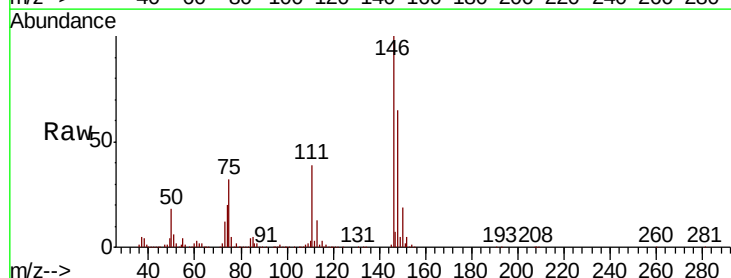
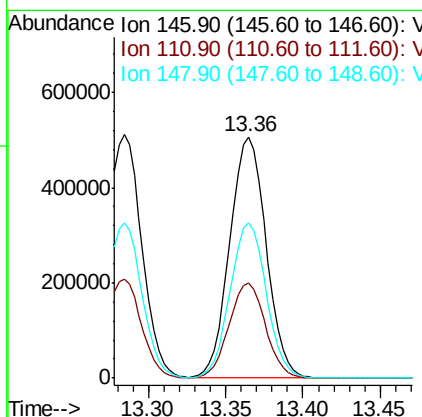
Manual Integrations
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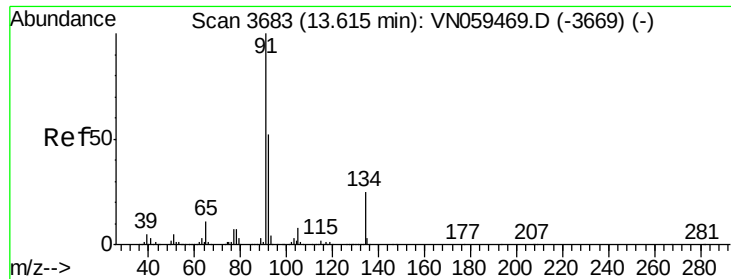
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 104.063 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.0	32.0	96.0





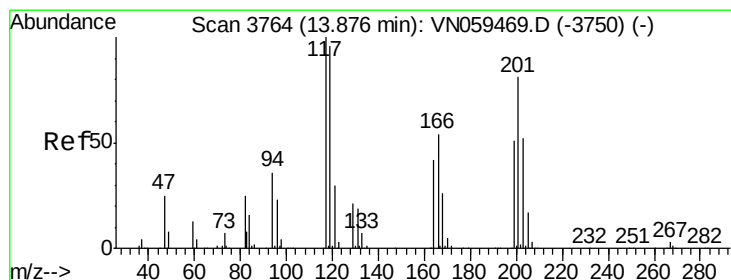
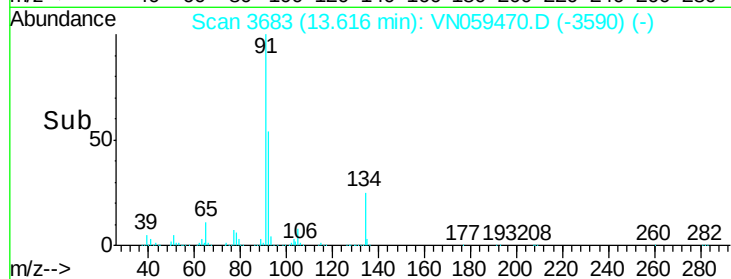
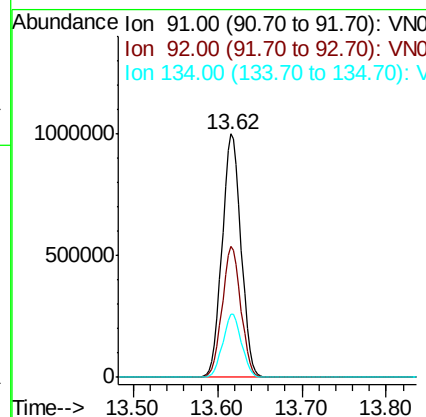
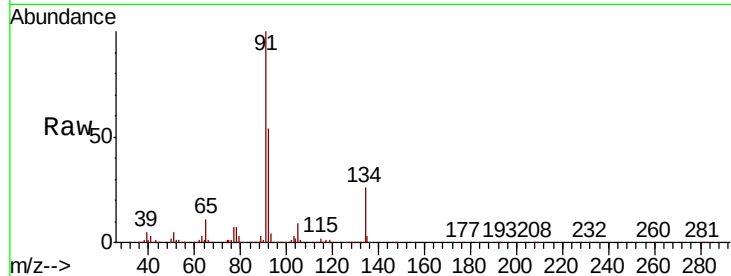
#89
n-Butylbenzene
Concen: 112.760 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.9	77.8
134	25.8	12.6	37.6

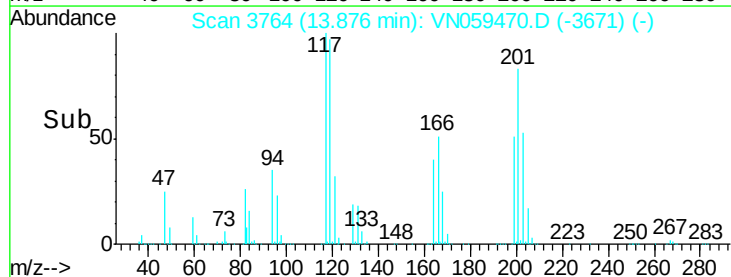
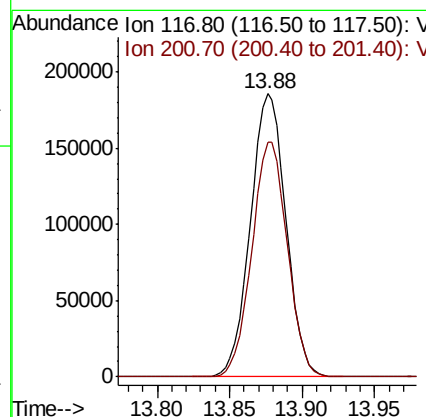
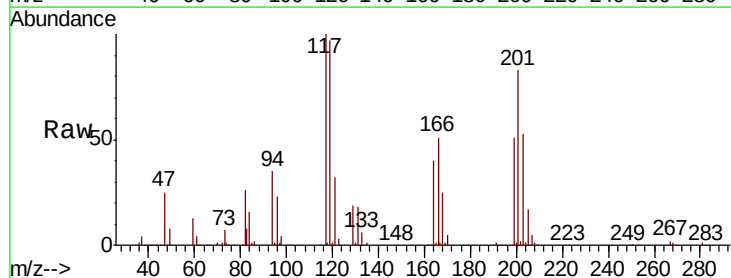
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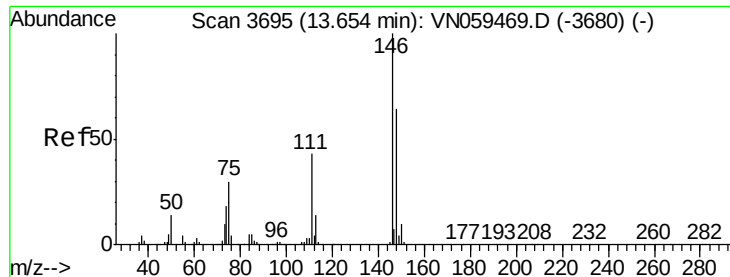
apatel
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#90
Hexachloroethane
Concen: 104.647 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	40.6	122.0





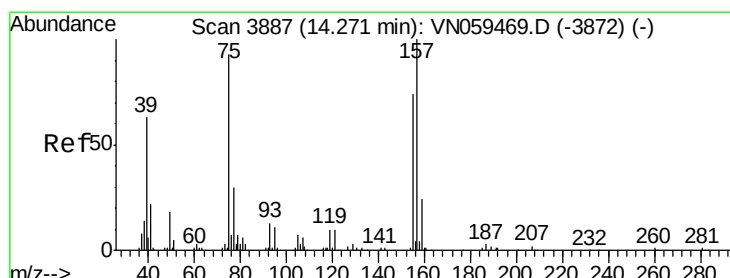
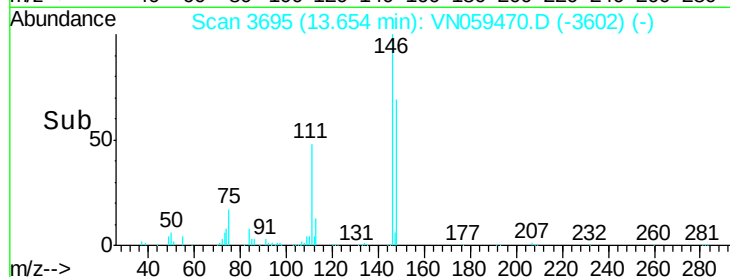
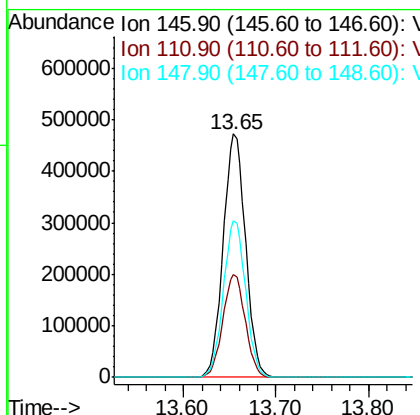
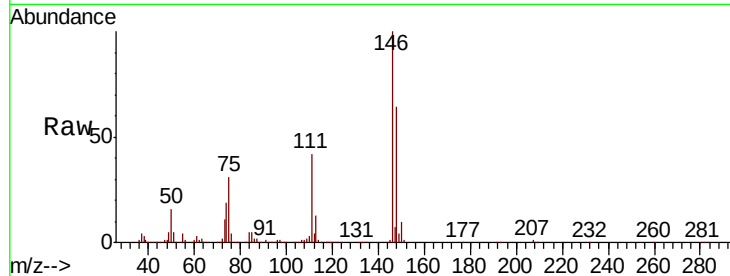
#91
 1,2-Dichlorobenzene
 Concen: 101.809 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	64.3	32.2	96.6

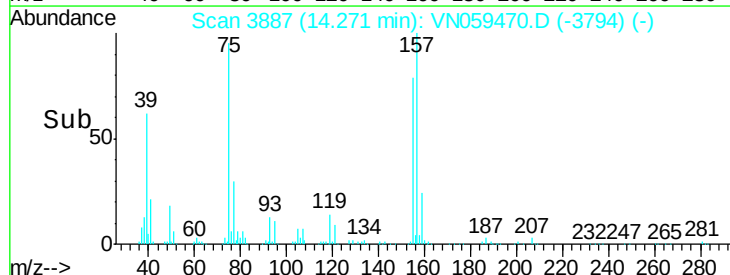
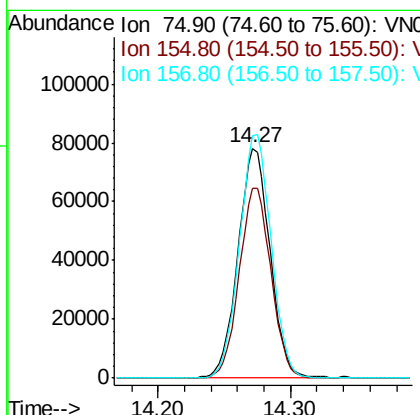
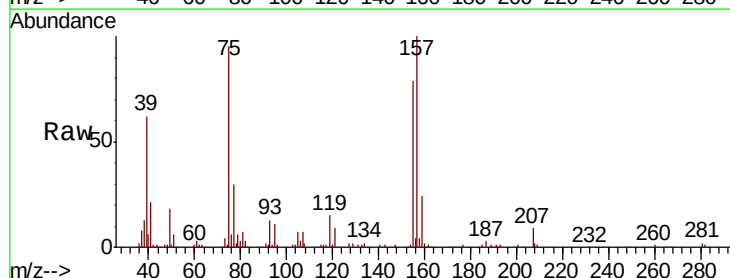
Manual Integrations
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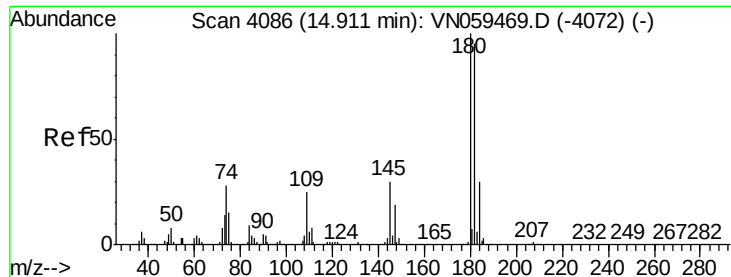
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.737 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	40.6	122.0
157	105.8	52.9	158.7





#93

1,2,4-Trichlorobenzene

Concen: 112.049 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

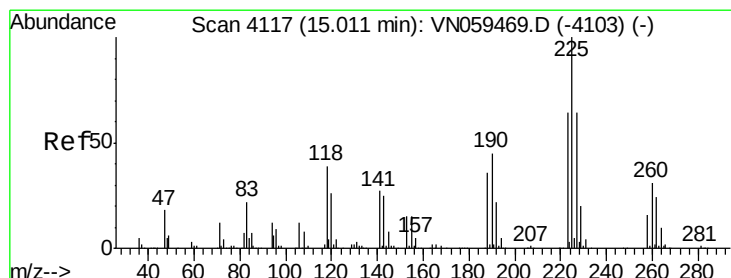
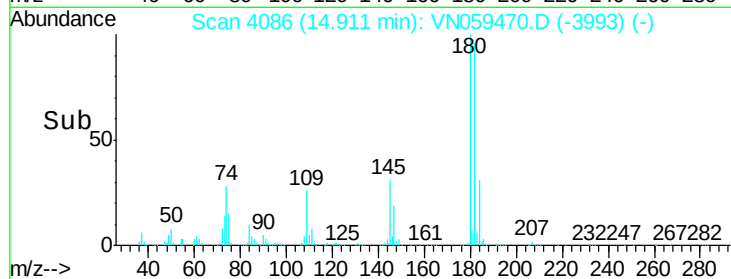
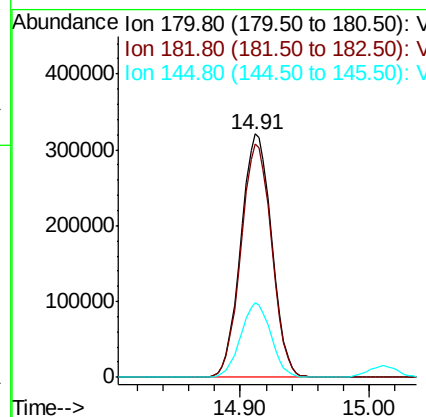
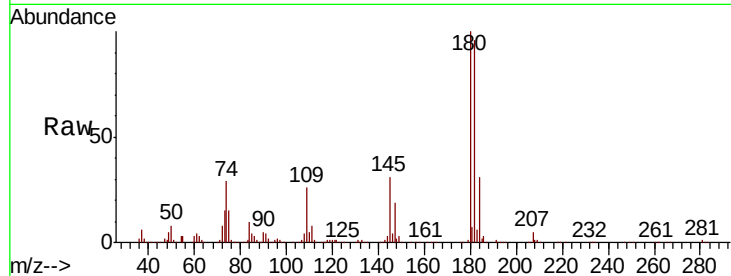
ClientSampleId :

VSTDIC100

Tot Ion:	180	Resp:	533746
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.2
145	30.3	15.2	45.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 96.108 ug/l

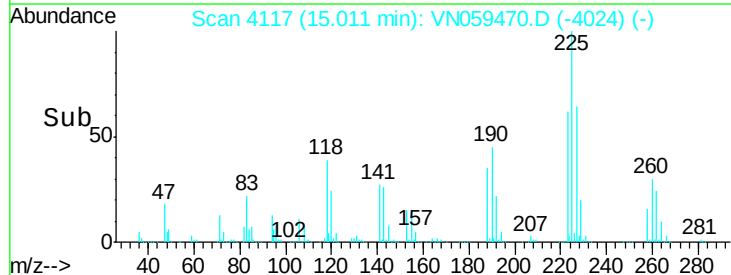
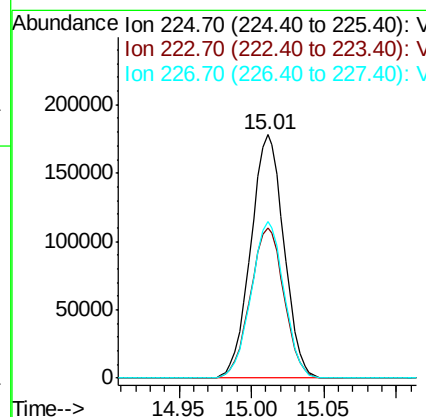
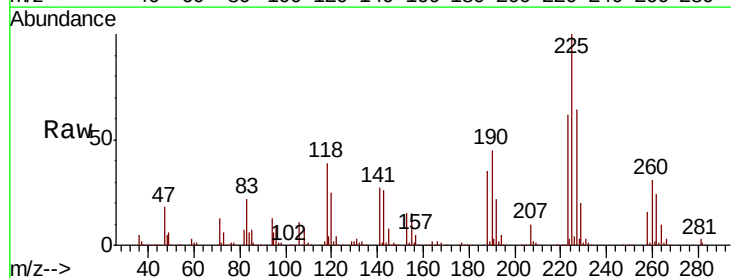
RT: 15.01 min Scan# 4117

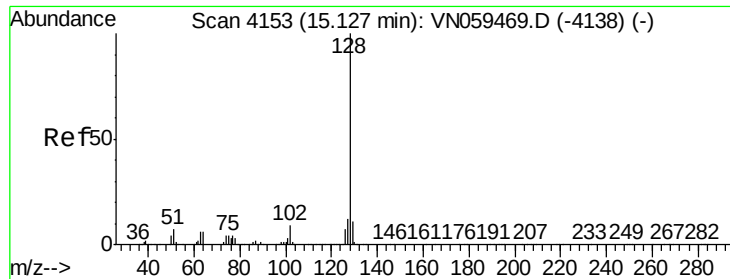
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:	225	Resp:	283337
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.5
227	63.8	32.0	96.2





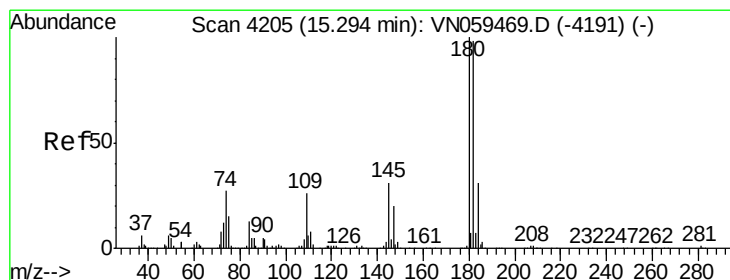
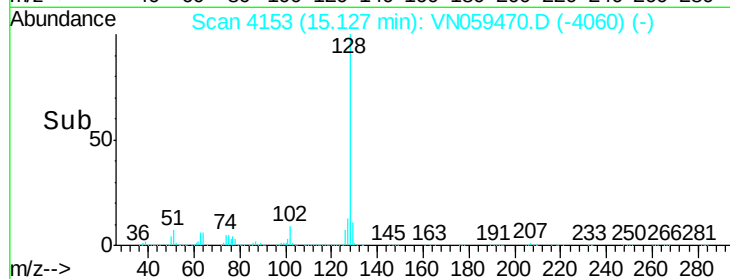
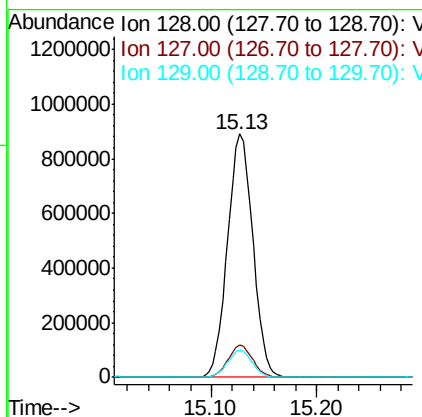
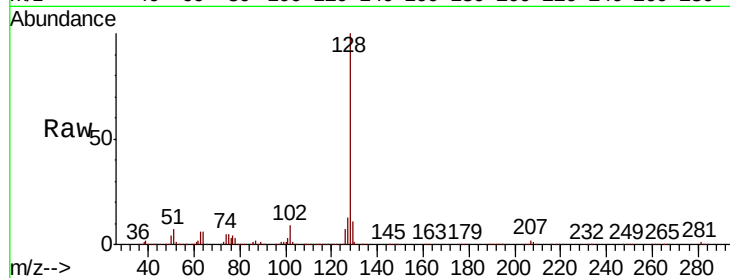
#95
Naphthalene
Concen: 109.017 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/4/2019 9:22:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 104.224 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.5
145	31.6	16.1	48.2

