

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059488.D
 Acq On : 4 Dec 2019 16:10
 Operator : JC/SP
 Sample : VN1204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:23 AM

Quant Time: Dec 05 07:20:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	334899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	529987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	481911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220260	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	219996	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.57	113	170963	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.08	98	676092	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.40	95	235676	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74508	19.993	ug/l	100
3) Chloromethane	2.04	50	101994	20.420	ug/l	100
4) Vinyl Chloride	2.17	62	84622	28.233	ug/l	99
5) Bromomethane	2.54	94	34041	18.689	ug/l	99
6) Chloroethane	2.69	64	29419	16.625	ug/l	100
7) Trichlorofluoromethane	3.00	101	77875	21.513	ug/l	99
8) Diethyl Ether	3.39	74	47155	19.994	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72867	20.506	ug/l	99
10) Methyl Iodide	3.93	142	92241	20.500	ug/l	99
11) Tert butyl alcohol	4.75	59	76737	97.883	ug/l	100
12) 1,1-Dichloroethene	3.71	96	69268	19.941	ug/l	97
13) Acrolein	3.58	56	66110	97.166	ug/l	99
14) Allyl chloride	4.29	41	126095	18.431	ug/l	92
15) Acrylonitrile	4.95	53	222109	104.723	ug/l	99
16) Acetone	3.79	43	239761	100.078	ug/l	100
17) Carbon Disulfide	4.03	76	225171	18.998	ug/l	100
18) Methyl Acetate	4.29	43	116309	20.767	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	247711	20.924	ug/l	98
20) Methylene Chloride	4.52	84	83910	20.711	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	77573	19.959	ug/l	97
22) Diisopropyl ether	5.92	45	269065	21.130	ug/l	94
23) Vinyl Acetate	5.86	43	1117253	109.341	ug/l	100
24) 1,1-Dichloroethane	5.82	63	150738	20.838	ug/l	99
25) 2-Butanone	6.81	43	314235	99.373	ug/l	97
26) 2,2-Dichloropropane	6.80	77	130531	20.863	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	88618	20.530	ug/l	99
28) Bromochloromethane	7.17	49	61331	22.107	ug/l	100
29) Tetrahydrofuran	7.18	42	205082	103.141	ug/l	99
30) Chloroform	7.35	83	176861	25.322	ug/l	98
31) Cyclohexane	7.63	56	142375	20.313	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	126048	20.763	ug/l	98
36) 1,1-Dichloropropene	7.77	75	110568	20.048	ug/l	99
37) Ethyl Acetate	6.90	43	125225	20.327	ug/l	99
38) Carbon Tetrachloride	7.75	117	109914	20.721	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	131891	19.872	ug/l	97
40) Benzene	8.02	78	335936	20.801	ug/l	100
41) Methacrylonitrile	7.16	41	58312m	23.355	ug/l	
42) 1,2-Dichloroethane	8.10	62	114782	20.922	ug/l	100
43) Isopropyl Acetate	8.14	43	191114	20.858	ug/l	99
44) Trichloroethene	8.82	130	84527	20.028	ug/l	97
45) 1,2-Dichloropropane	9.10	63	89054	20.639	ug/l	99
46) Dibromomethane	9.19	93	55289	20.581	ug/l	99
47) Bromodichloromethane	9.39	83	117305	21.778	ug/l	97
48) Methyl methacrylate	9.18	41	82535	19.966	ug/l	98
49) 1,4-Dioxane	9.18	88	22505	359.787	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	593120	109.053	ug/l	99
52) Toluene	10.15	92	203422	20.826	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	128767	20.316	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139178	20.717	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	79895	20.749	ug/l	99
56) Ethyl methacrylate	10.42	69	116606	19.614	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138008	20.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	159187	85.945	ug/l	100
59) 2-Hexanone	10.74	43	441622	107.894	ug/l	99
60) Dibromochloromethane	10.90	129	84636	20.586	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81464	20.475	ug/l	98
64) Tetrachloroethene	10.62	164	75532	18.426	ug/l	98
65) Chlorobenzene	11.43	112	208825	19.822	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	79056	20.884	ug/l	98
67) Ethyl Benzene	11.51	91	379661	20.569	ug/l	100
68) m/p-Xylenes	11.62	106	283780	41.290	ug/l	98
69) o-Xylene	11.95	106	134345	20.532	ug/l	100
70) Styrene	11.96	104	209722	20.078	ug/l	99
71) Bromoform	12.13	173	59252	20.081	ug/l #	99
73) Isopropylbenzene	12.25	105	361366	20.458	ug/l	100
74) N-amyl acetate	12.07	43	142403	20.015	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	119429	21.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	104894m	19.153	ug/l	
77) Bromobenzene	12.53	156	86946	19.697	ug/l	97
78) n-propylbenzene	12.59	91	417112	20.291	ug/l	100
79) 2-Chlorotoluene	12.67	91	248400	20.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	305902	20.723	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40050	19.192	ug/l	94
82) 4-Chlorotoluene	12.77	91	254200	19.883	ug/l	100
83) tert-Butylbenzene	12.99	119	261816	20.429	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	298133	20.666	ug/l	99
85) sec-Butylbenzene	13.17	105	344776	20.298	ug/l	100
86) p-Isopropyltoluene	13.29	119	309390	20.326	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	152534	19.599	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	151175	19.260	ug/l	99
89) n-Butylbenzene	13.62	91	265598	19.476	ug/l	100
90) Hexachloroethane	13.88	117	57636	19.633	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	147765	19.805	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22705	19.350	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78132	17.154	ug/l	99
94) Hexachlorobutadiene	15.01	225	54253	20.230	ug/l	99
95) Naphthalene	15.13	128	205198	17.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	77307	18.197	ug/l	99

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

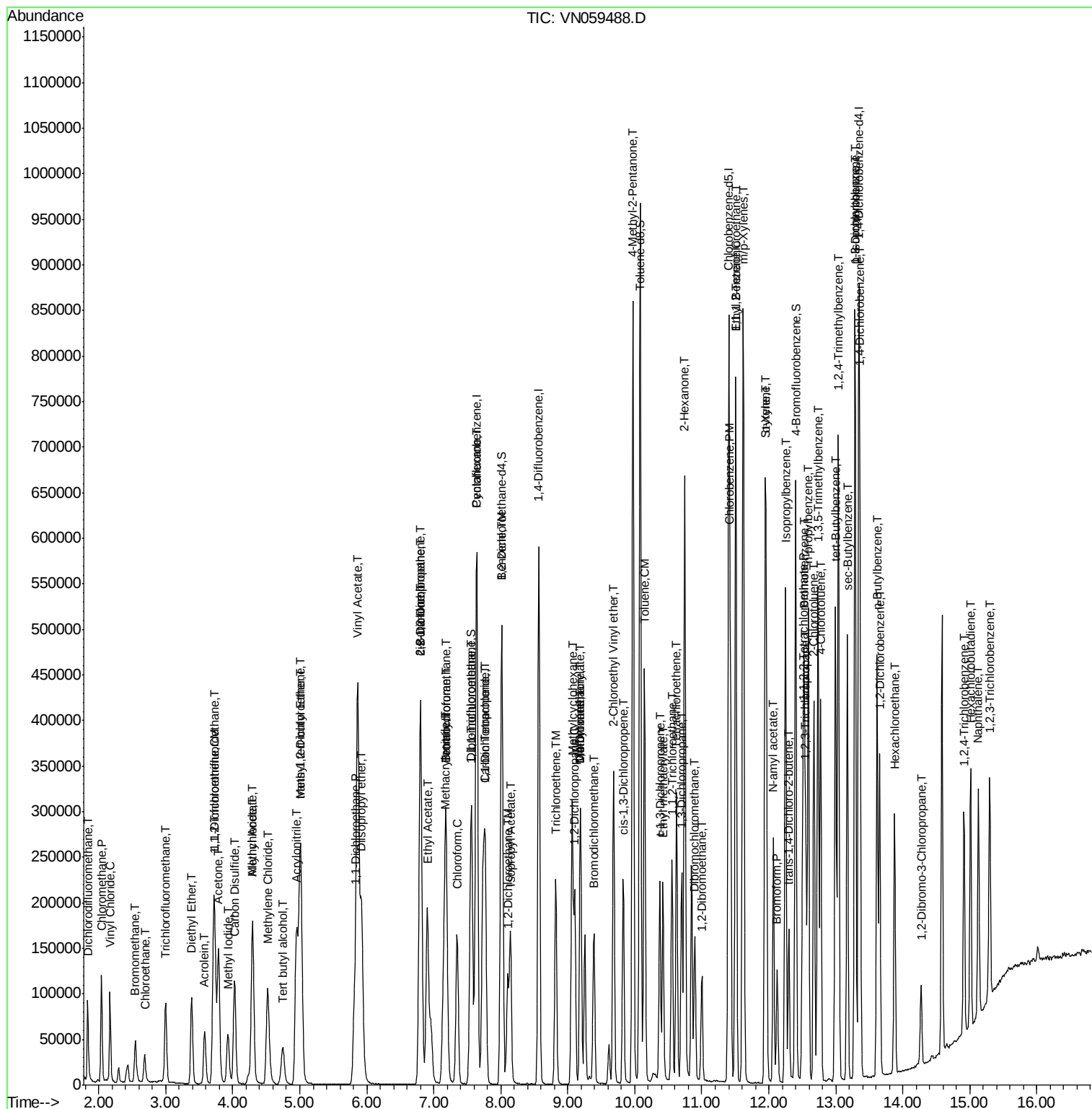
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Data File : VN059488.D
Acq On : 4 Dec 2019 16:10
Operator : JC/SP
Sample : VN1204WBSD01
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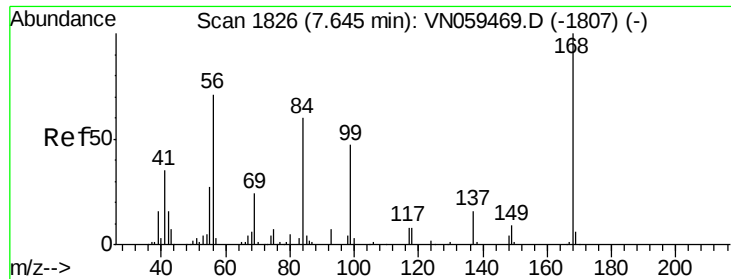
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion:168 Resp: 334899

Ion Ratio Lower Upper

168 100

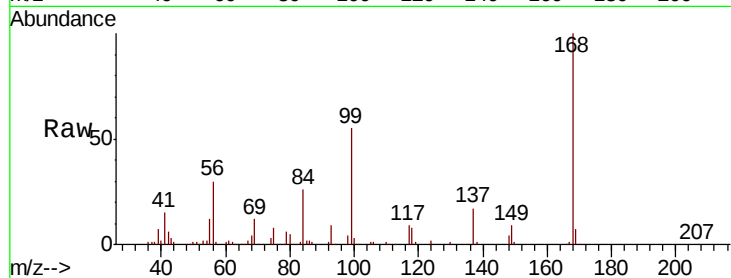
99 55.3 43.4 65.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

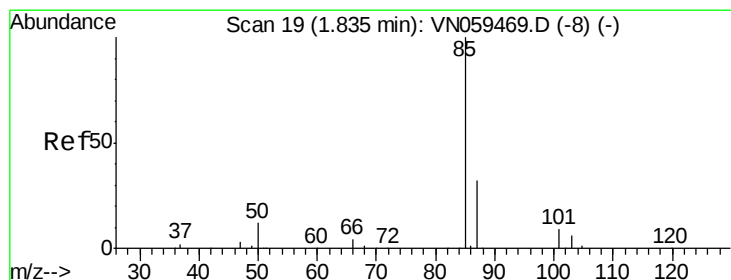
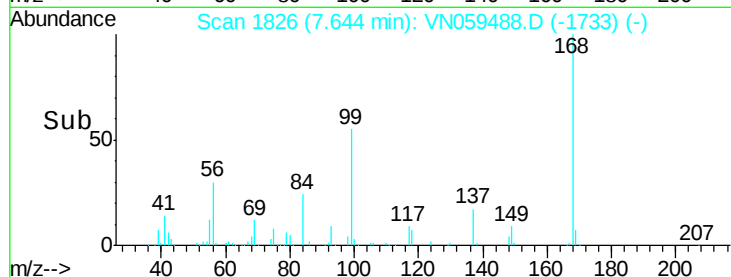
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.993 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059488.D

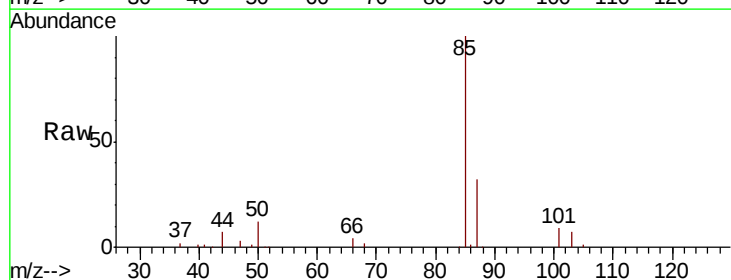
Acq: 4 Dec 2019 16:10

Tgt Ion: 85 Resp: 74508

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

50000

40000

30000

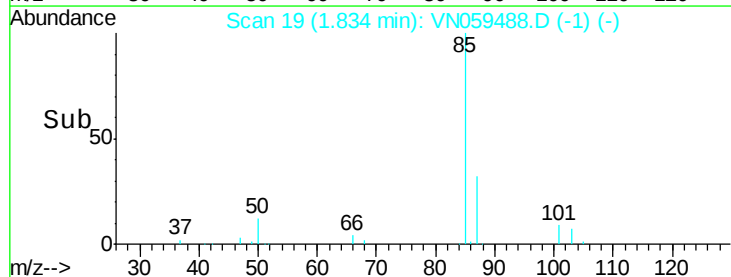
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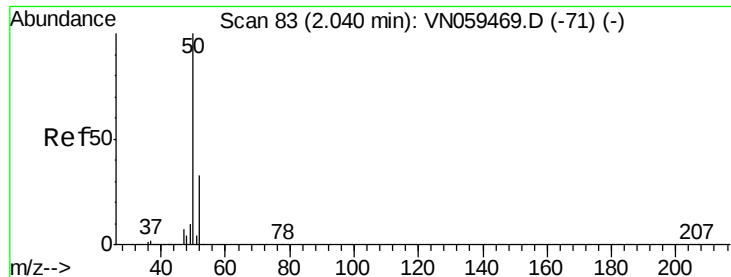
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.420 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 50 Resp: 101994

Ion Ratio Lower Upper

50 100

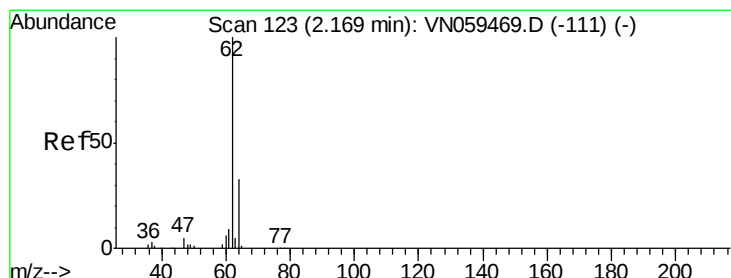
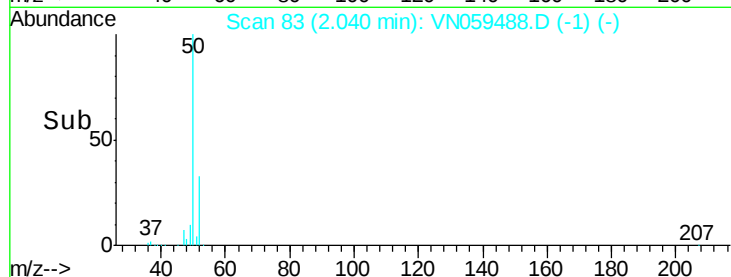
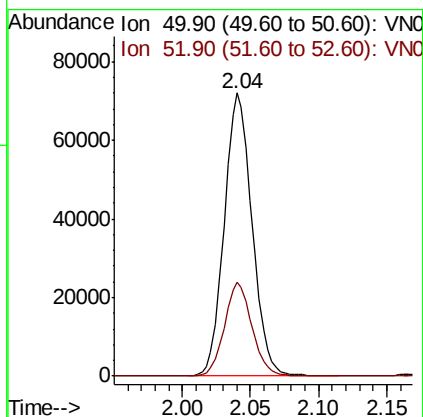
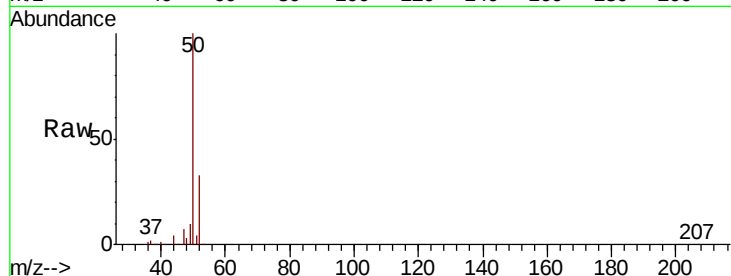
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 28.233 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059488.D

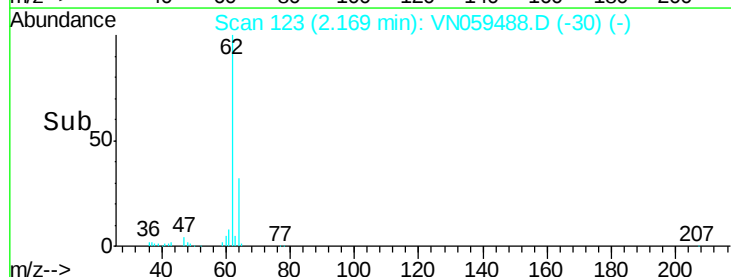
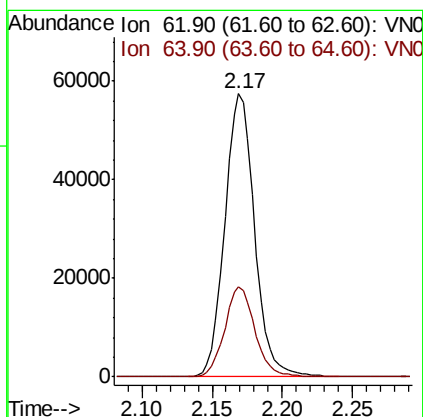
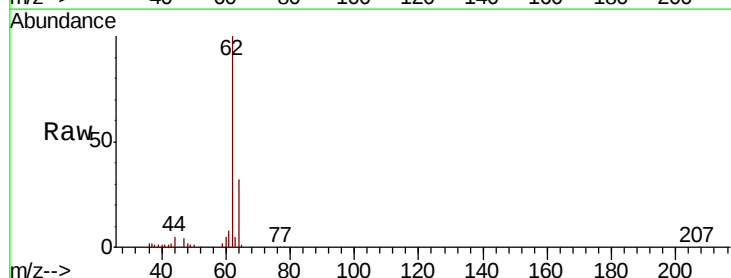
Acq: 4 Dec 2019 16:10

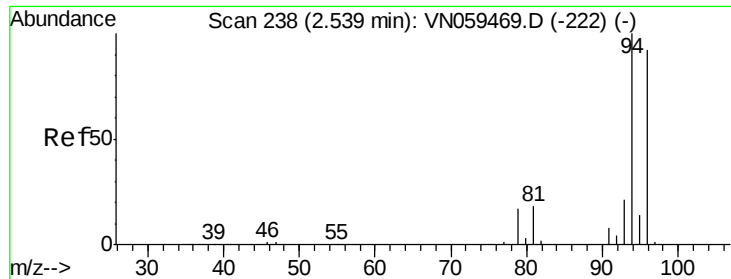
Tgt Ion: 62 Resp: 84622

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 18.689 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 34041

Ion Ratio Lower Upper

94 100

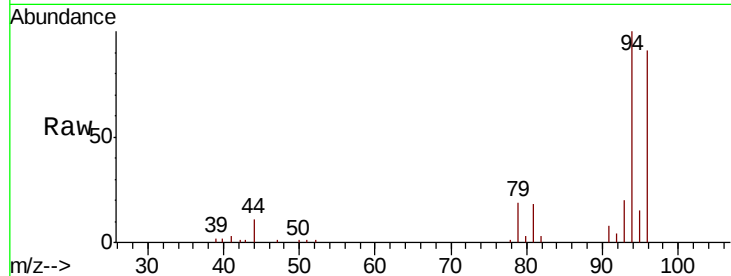
96 90.5 73.5 110.3

Manual Integrations

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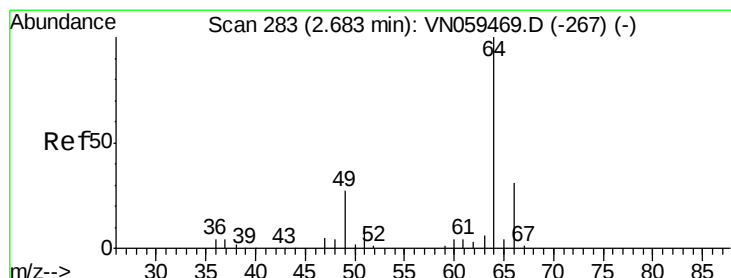
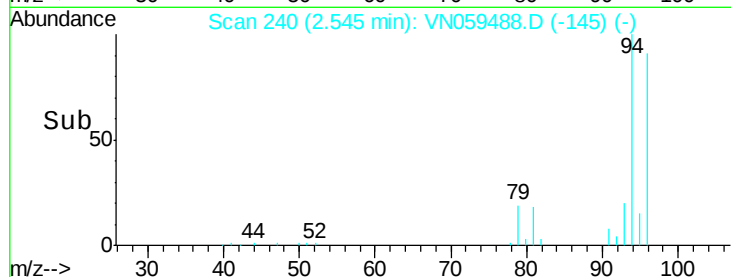
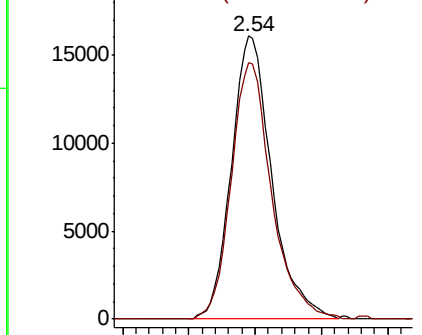
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.625 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059488.D

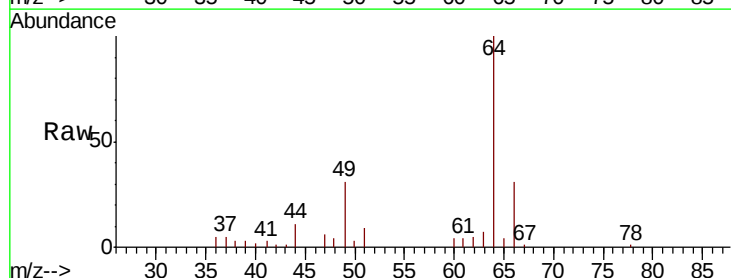
Acq: 4 Dec 2019 16:10

Tgt Ion: 64 Resp: 29419

Ion Ratio Lower Upper

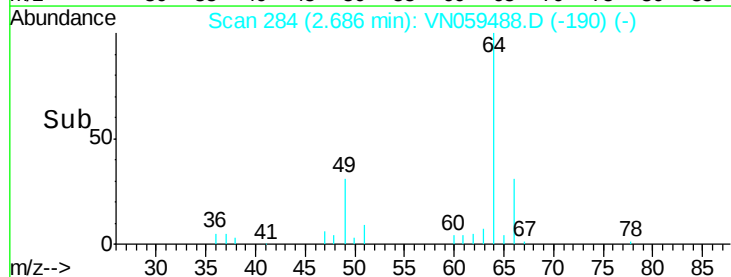
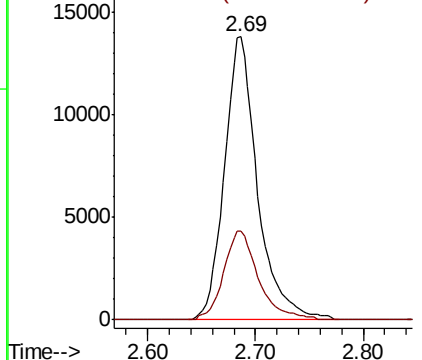
64 100

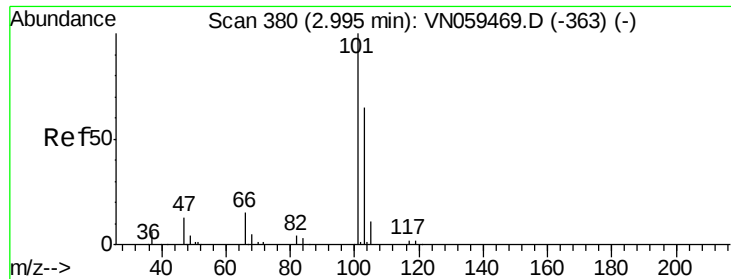
66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

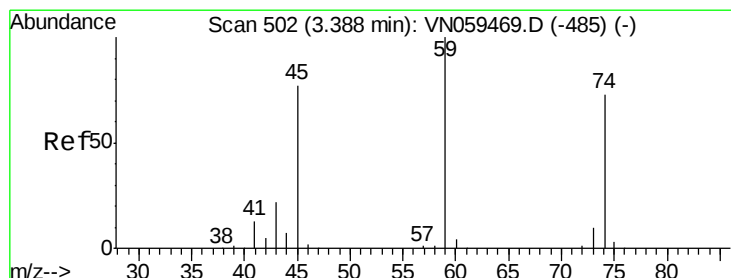
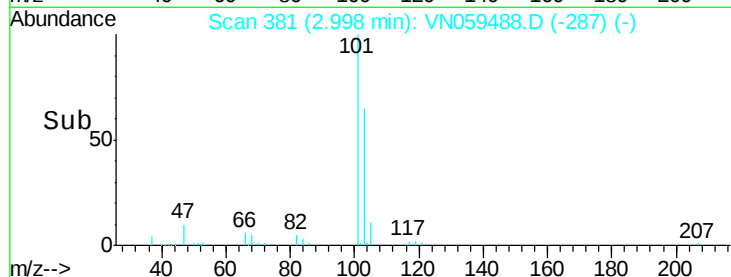
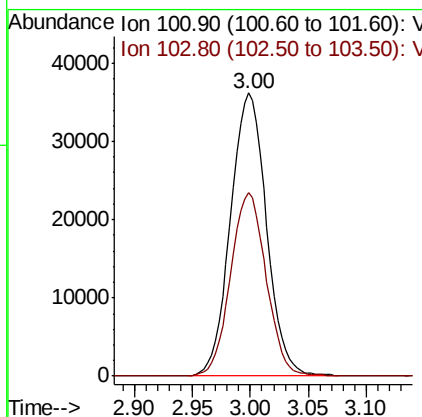
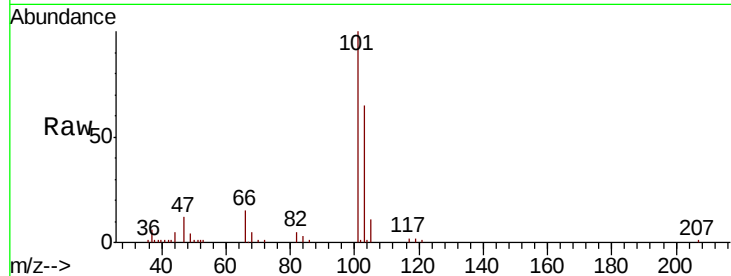
Trichlorofluoromethane
 Concen: 21.513 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
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Tot Ion:101 Resp: 77875
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.4 78.6

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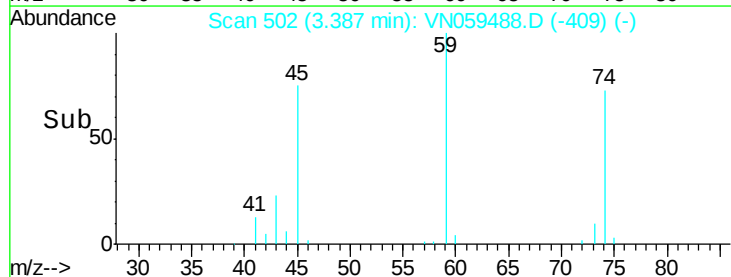
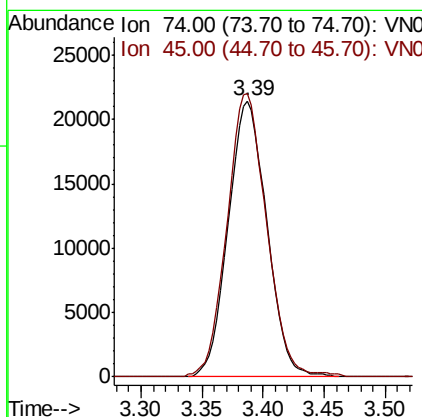
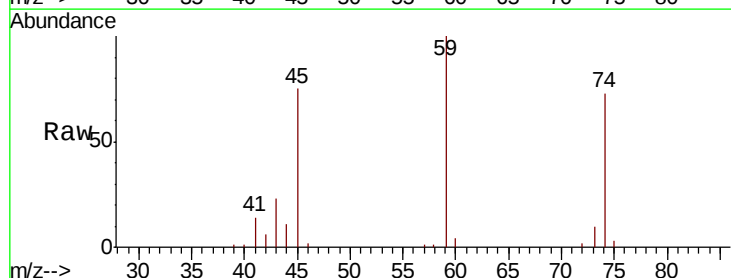
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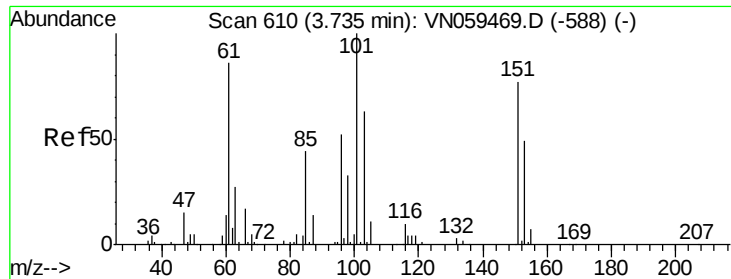


#8

Diethyl Ether
 Concen: 19.994 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion: 74 Resp: 47155
 Ion Ratio Lower Upper
 74 100
 45 105.1 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.506 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

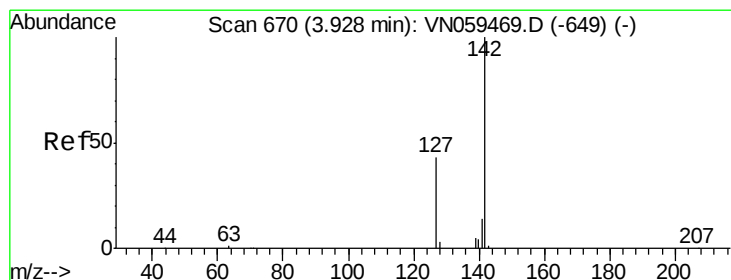
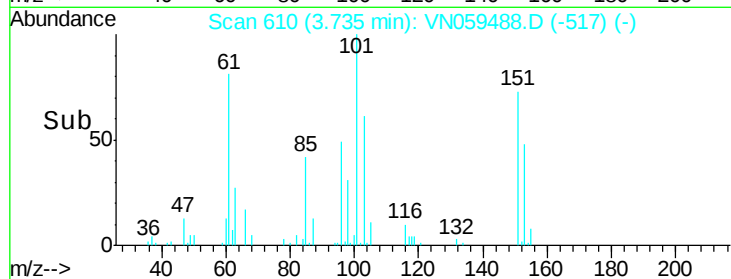
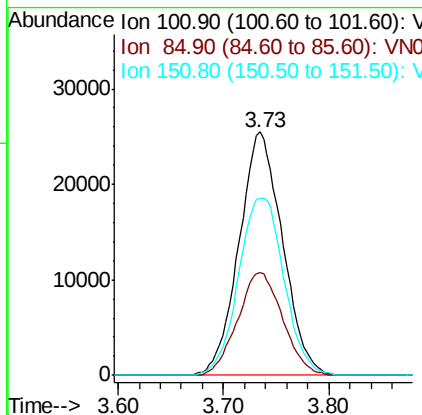
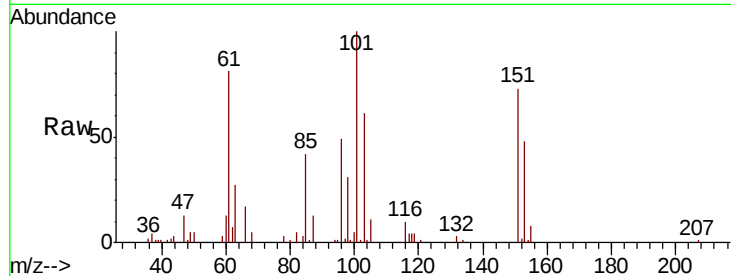
ClientSampleId :

VN1204WBSD01

Tot Ion:	101	Resp:	72867
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.2	52.8
151	76.5	62.4	93.6

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#10

Methyl Iodide

Concen: 20.500 ug/l

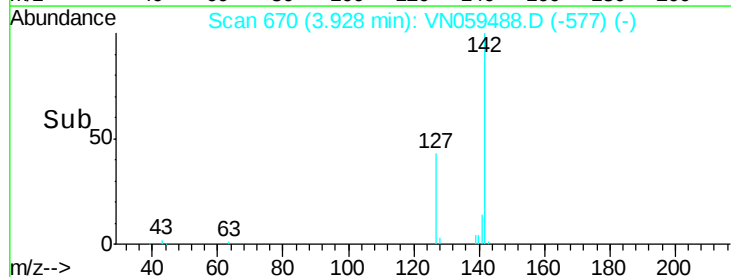
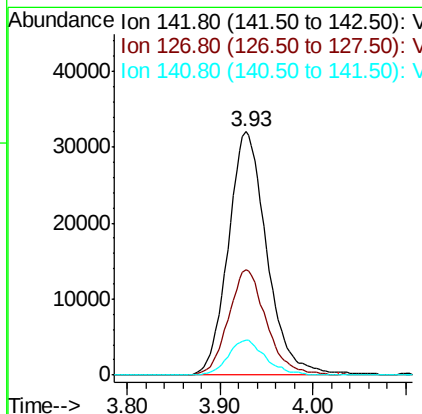
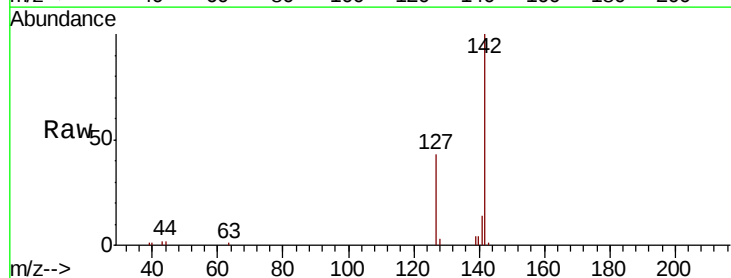
RT: 3.93 min Scan# 670

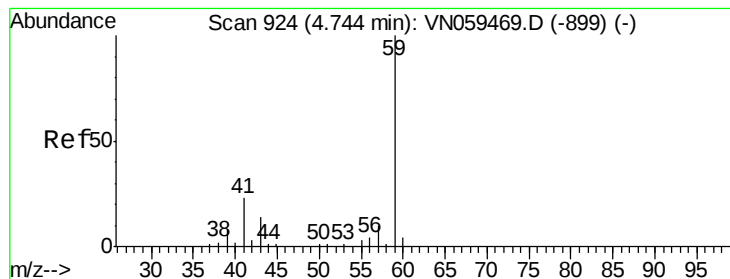
Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion:	142	Resp:	92241
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.6	52.0
141	13.9	11.4	17.0





#11

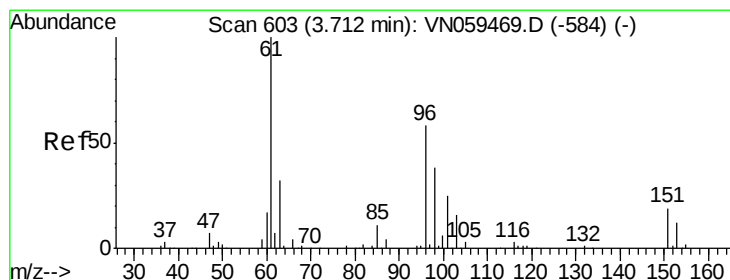
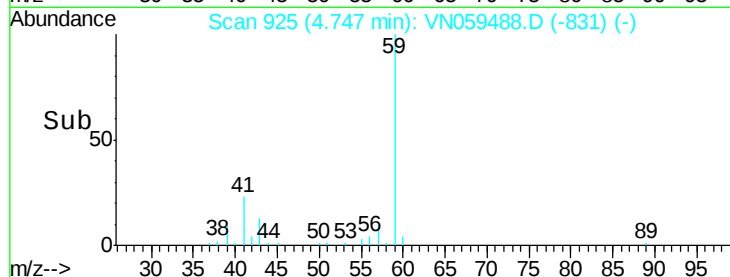
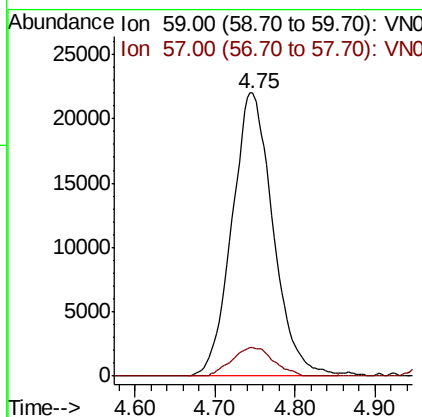
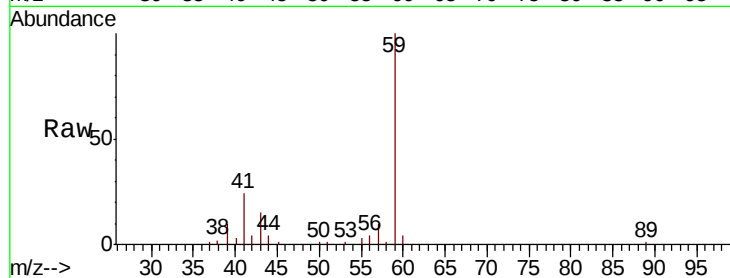
Tert butyl alcohol
 Concen: 97.883 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

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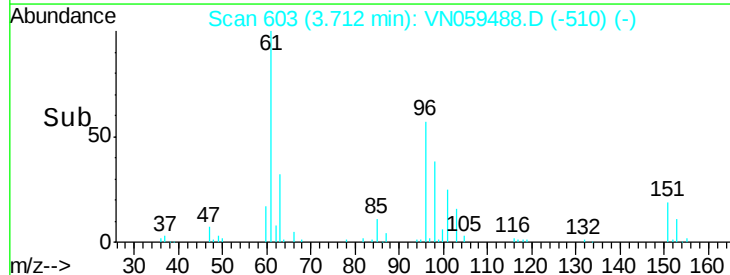
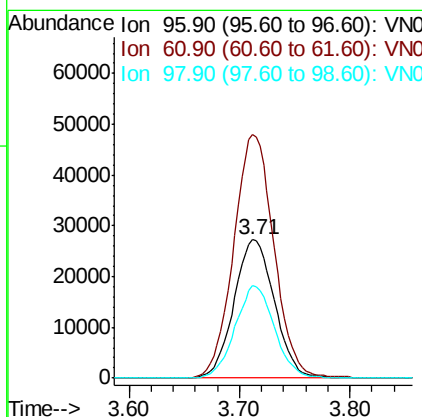
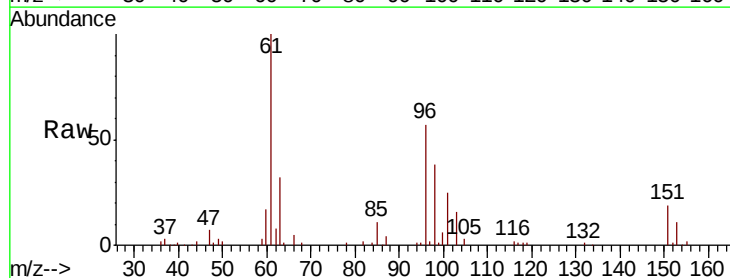
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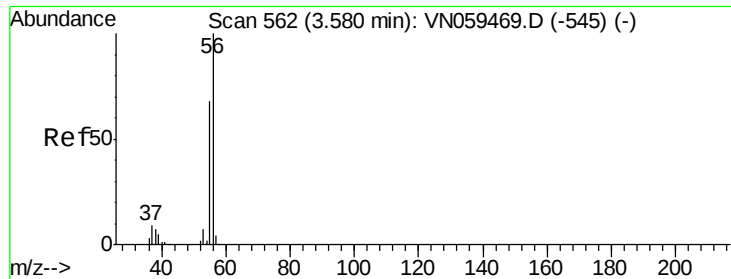


#12

1,1-Dichloroethene
 Concen: 19.941 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.7	137.1	205.7
98	66.6	52.4	78.6





#13

Acrolein

Concen: 97.166 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 56 Resp: 66110

Ion Ratio Lower Upper

56 100

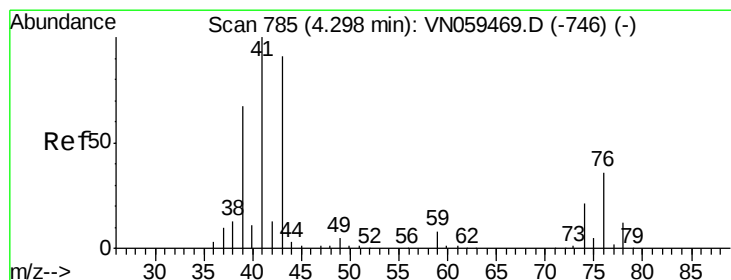
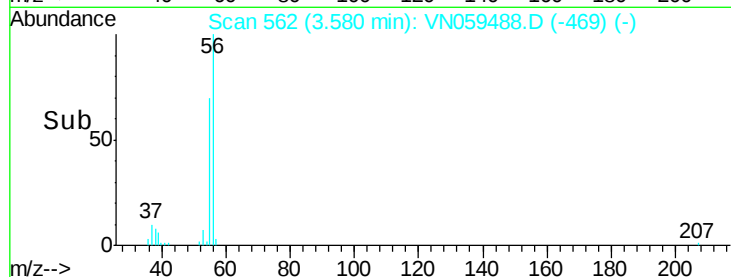
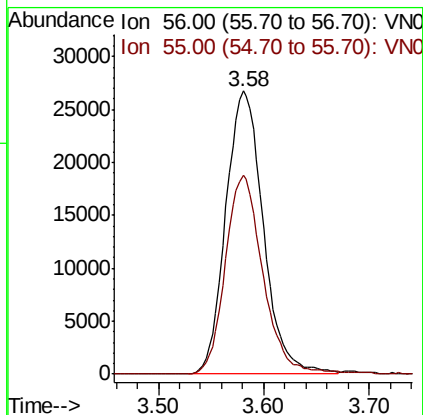
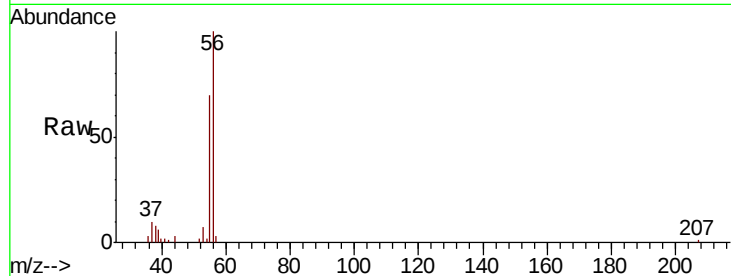
55 70.1 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.431 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

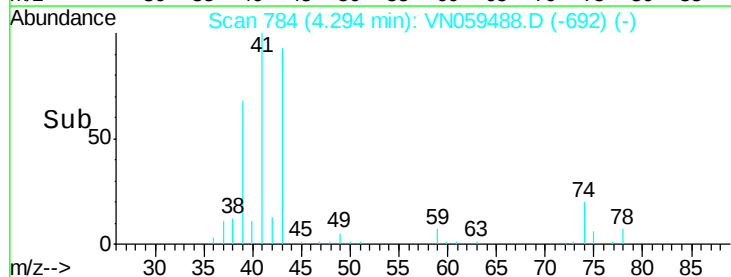
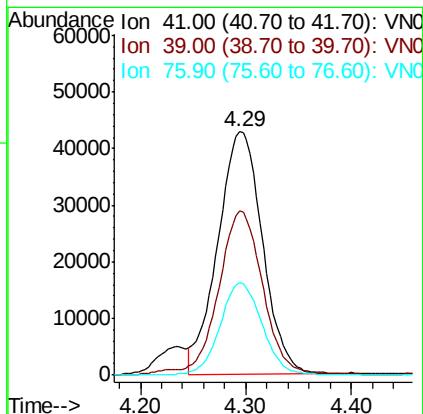
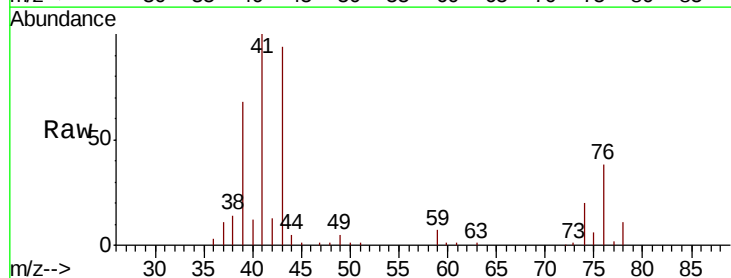
Tgt Ion: 41 Resp: 126095

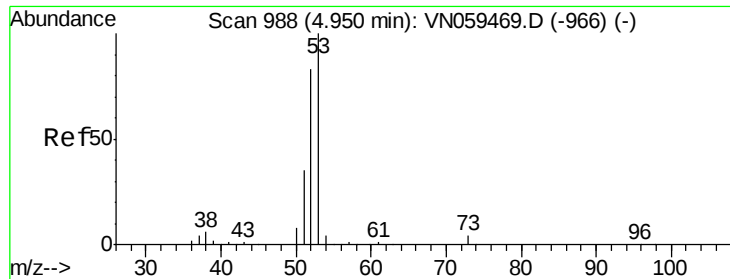
Ion Ratio Lower Upper

41 100

39 67.6 49.3 73.9

76 35.8 25.6 38.4





#15

Acrylonitrile

Concen: 104.723 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

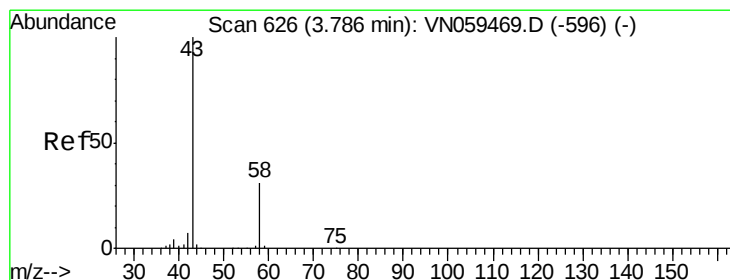
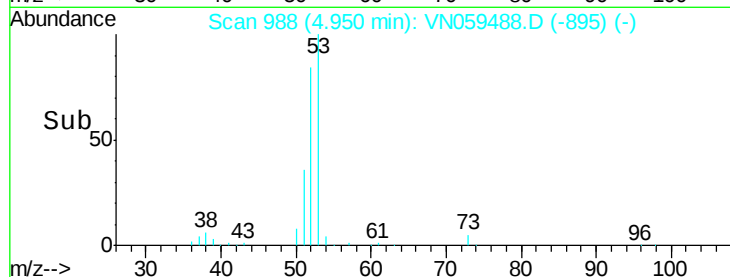
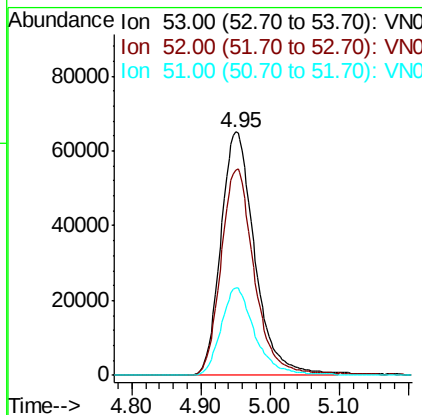
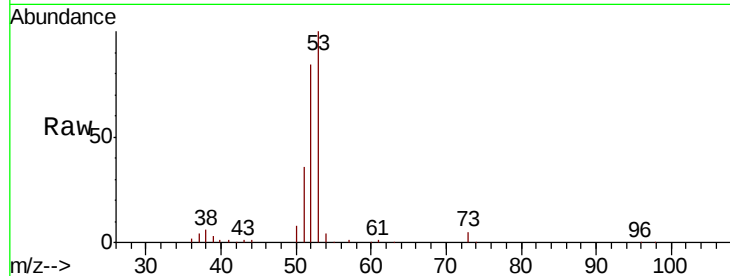
ClientSampleId :

VN1204WBSD01

Tot Ion:	53	Resp:	222109
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	35.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 100.078 ug/l

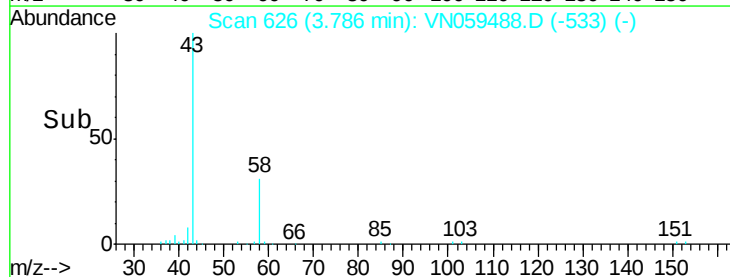
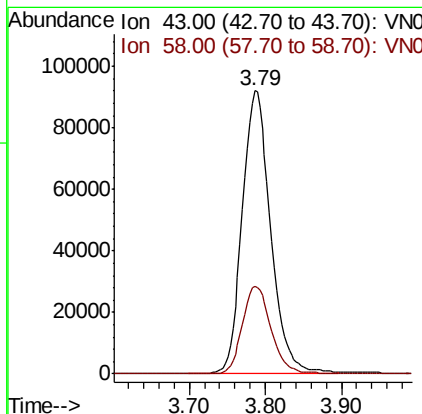
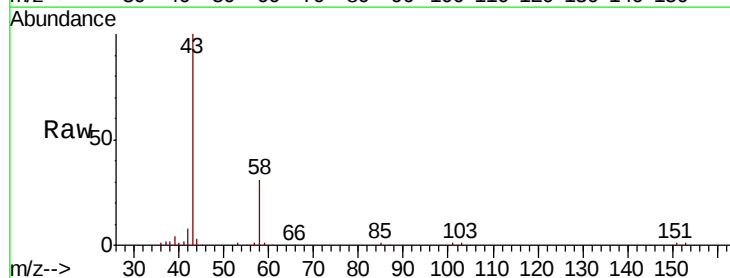
RT: 3.79 min Scan# 626

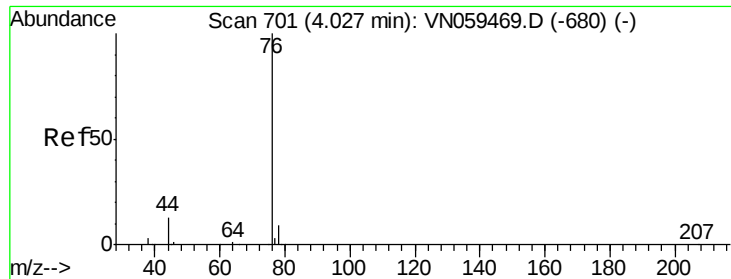
Delta R.T. 0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion:	43	Resp:	239761
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.9	37.3





#17

Carbon Disulfide

Concen: 18.998 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 76 Resp: 225171

Ion Ratio Lower Upper

76 100

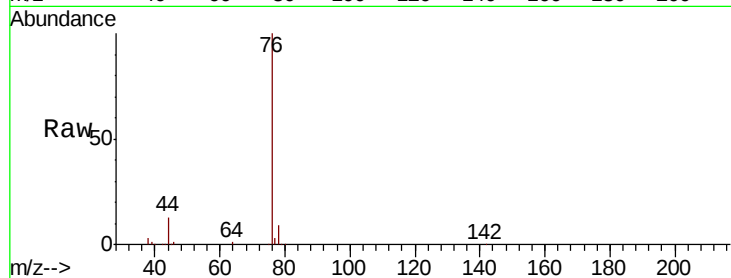
78 8.9 7.0 10.6

Manual Integrations

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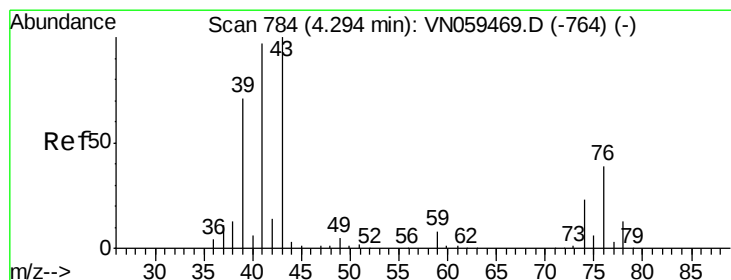
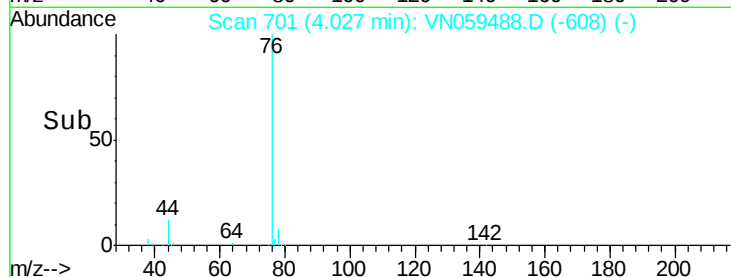
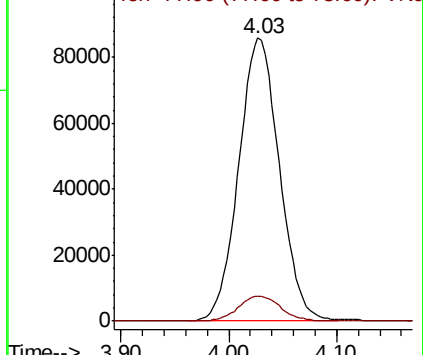
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.767 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059488.D

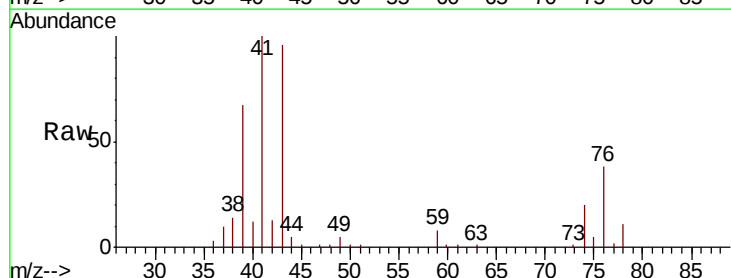
Acq: 4 Dec 2019 16:10

Tgt Ion: 43 Resp: 116309

Ion Ratio Lower Upper

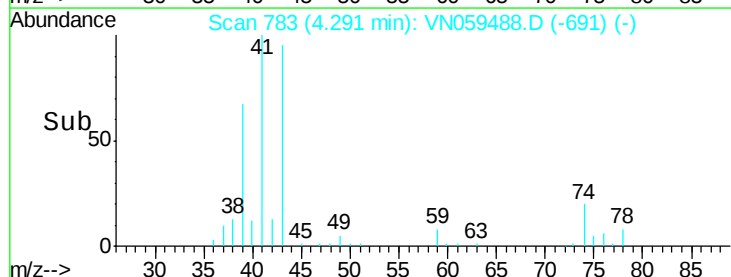
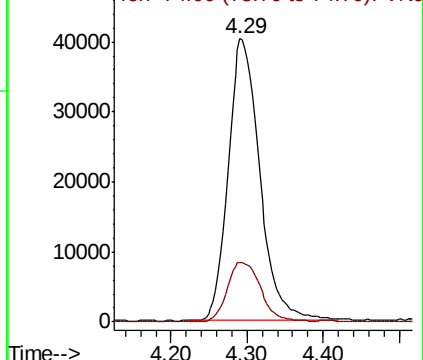
43 100

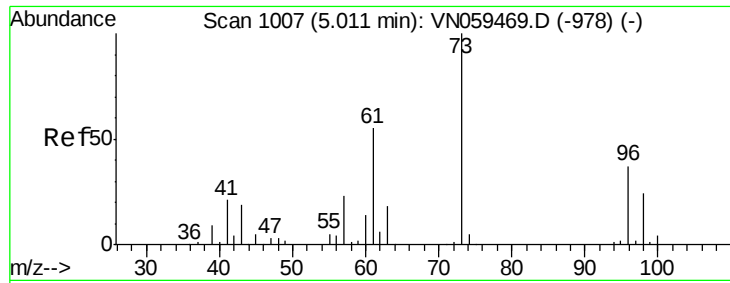
74 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





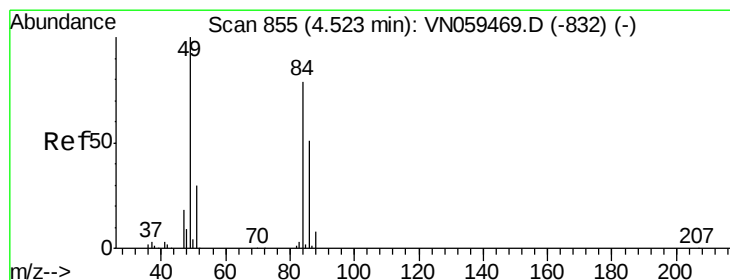
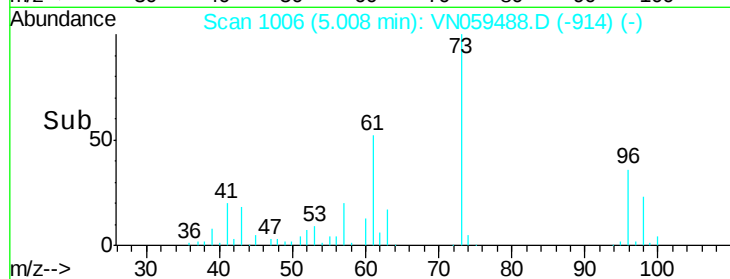
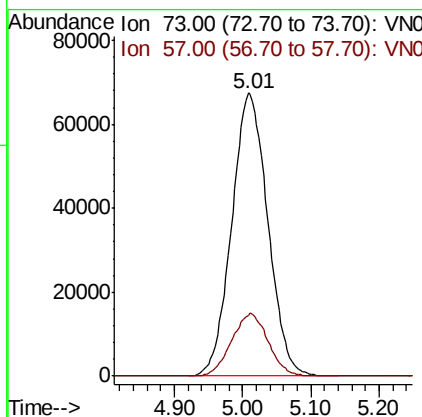
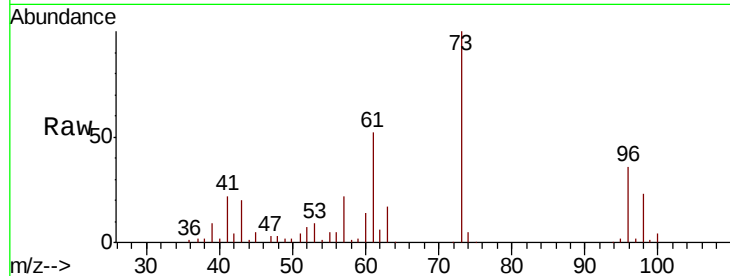
#19
Methyl tert-butyl Ether
Concen: 20.924 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion: 73 Resp: 247711
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

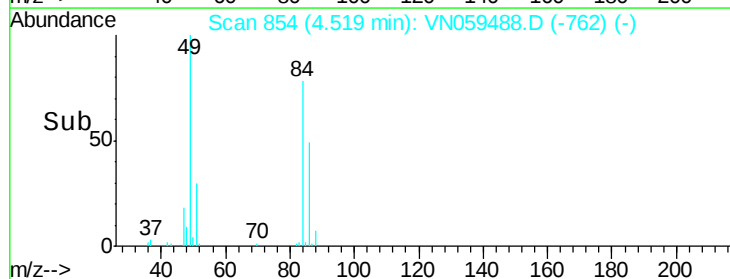
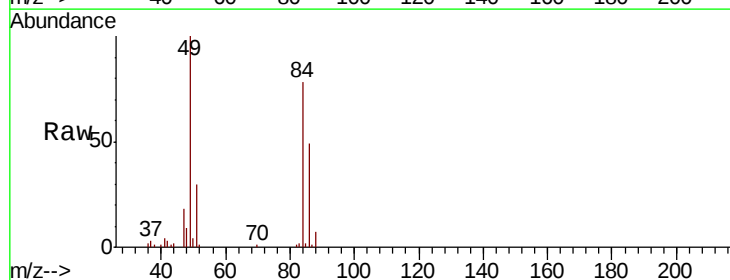
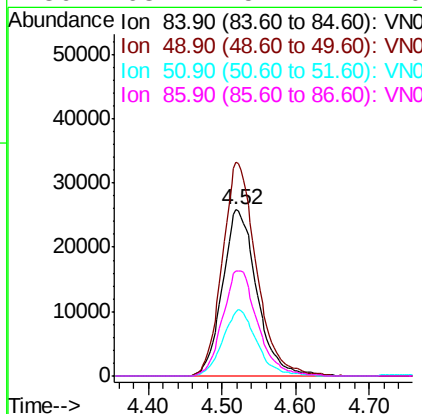
Manual Integrations
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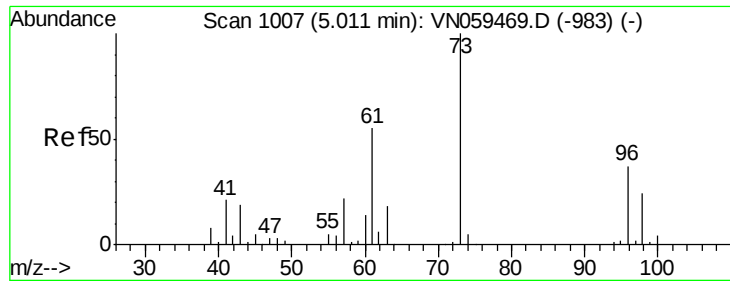
apatel
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#20
Methylene Chloride
Concen: 20.711 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion: 84 Resp: 83910
Ion Ratio Lower Upper
84 100
49 128.5 101.1 151.7
51 38.8 30.7 46.1
86 63.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.959 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 96 Resp: 77573

Ion Ratio Lower Upper

96 100

61 144.9 118.9 178.3

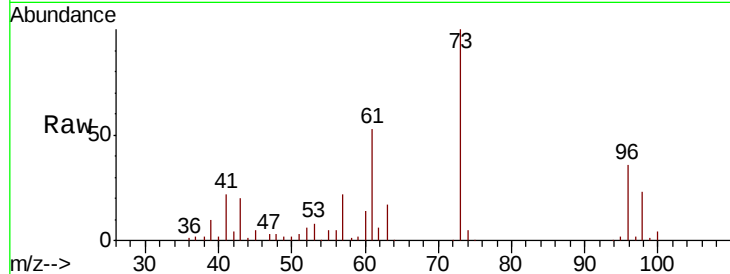
98 62.9 51.6 77.4

Manual Integrations

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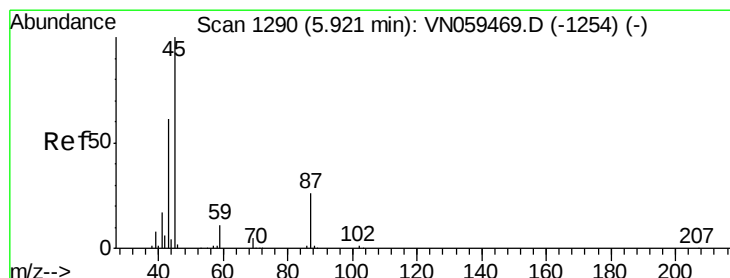
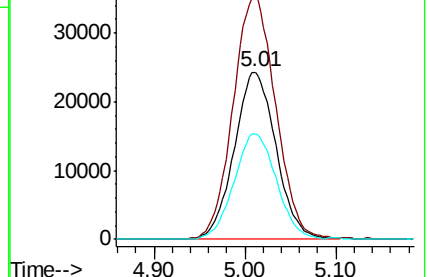
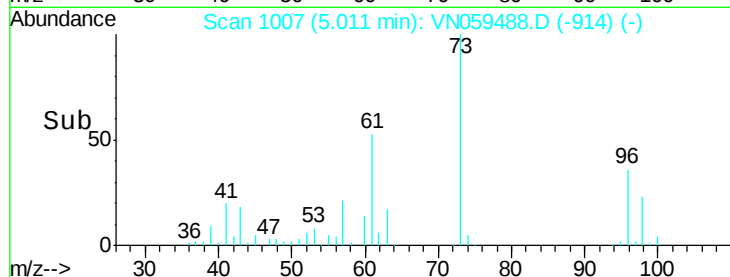
12/5/2019 11:19:23 AM



Abundance Ion 95.90 (95.60 to 96.60): VN059488.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059488.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059488.D (-914) (-)



#22

Diisopropyl ether

Concen: 21.130 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion: 45 Resp: 269065

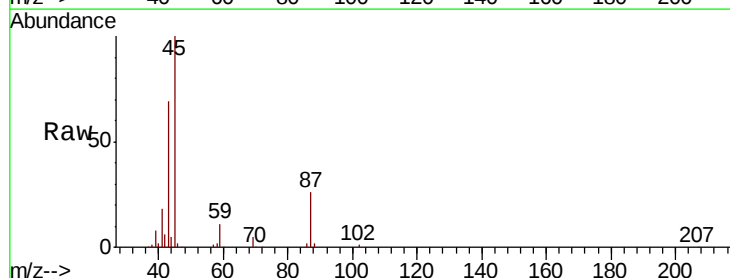
Ion Ratio Lower Upper

45 100

43 67.7 49.1 73.7

87 26.1 21.6 32.4

59 11.2 9.0 13.4

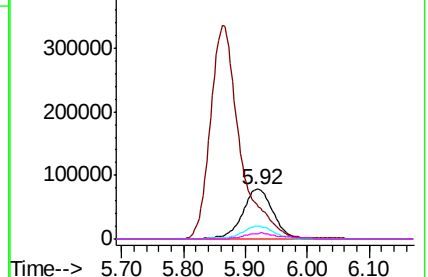
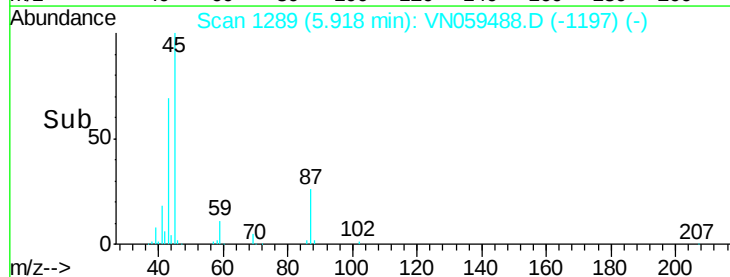


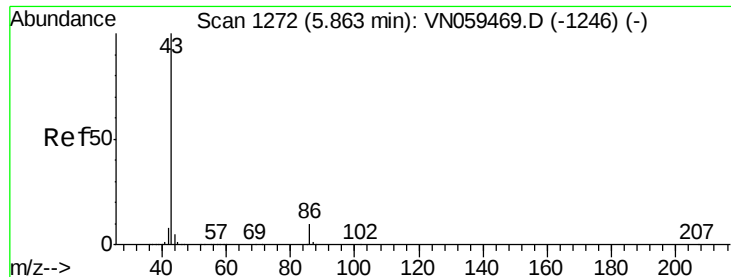
Abundance Ion 45.00 (44.70 to 45.70): VN059488.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059488.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059488.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059488.D (-1197) (-)





#23

Vinyl Acetate

Concen: 109.341 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 43 Resp: 1117253

Ion Ratio Lower Upper

43 100

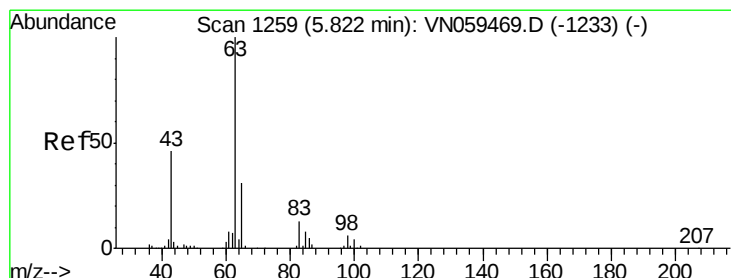
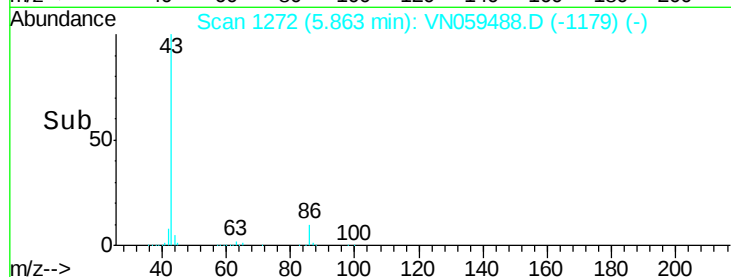
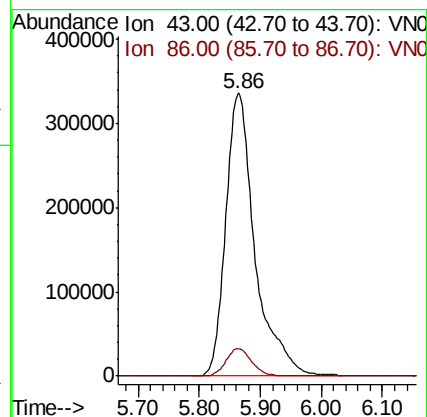
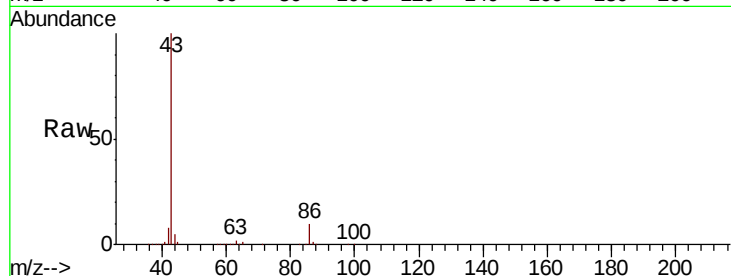
86 9.8 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 20.838 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

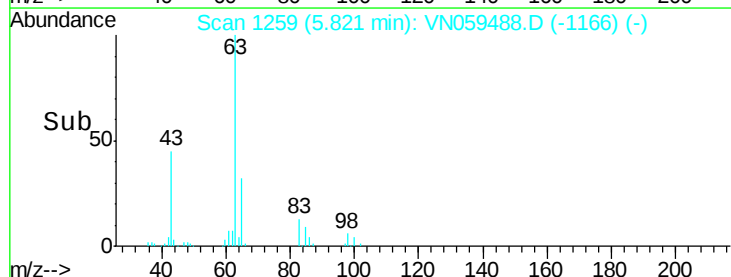
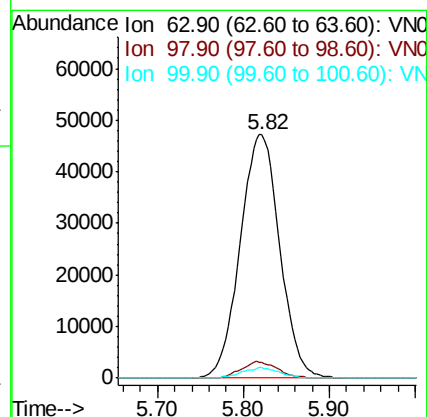
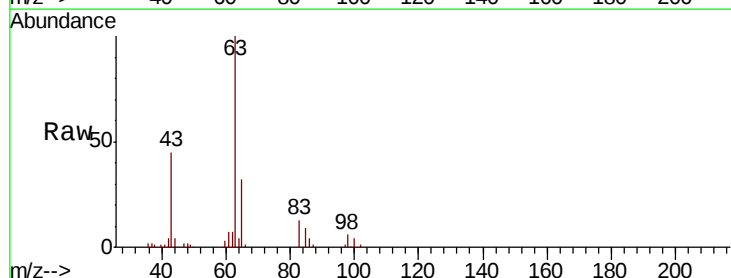
Tgt Ion: 63 Resp: 150738

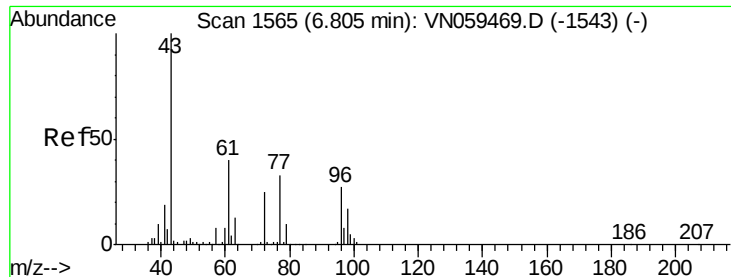
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 99.373 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 43 Resp: 314235

Ion Ratio Lower Upper

43 100

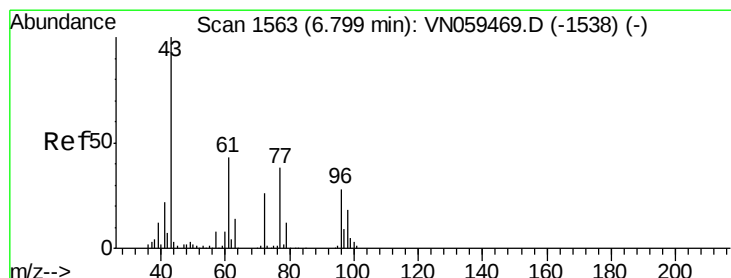
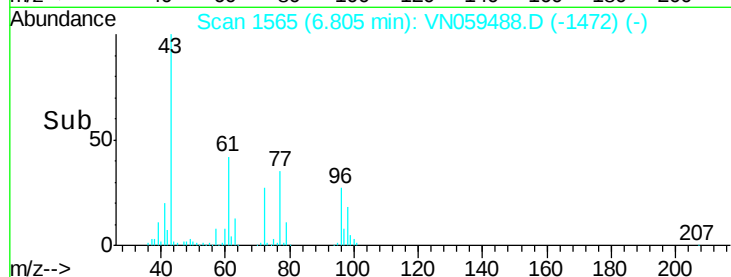
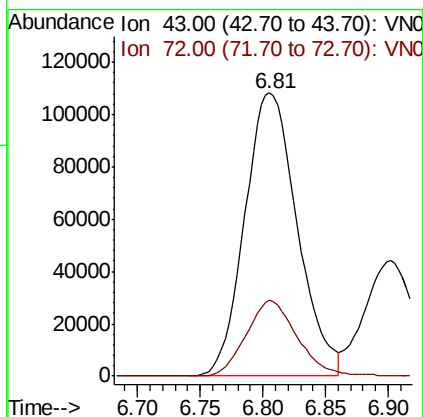
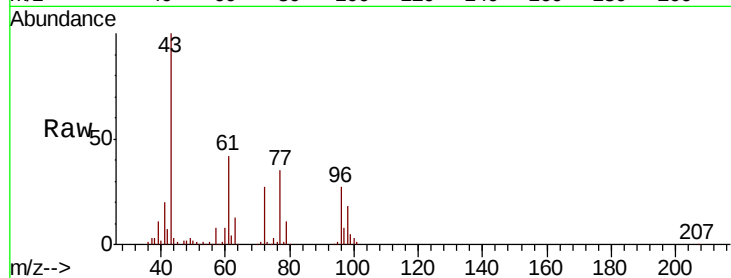
72 26.8 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 20.863 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059488.D

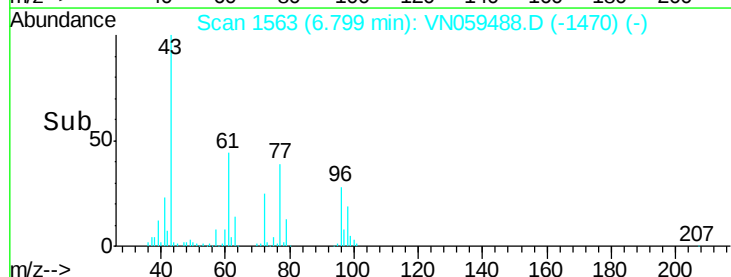
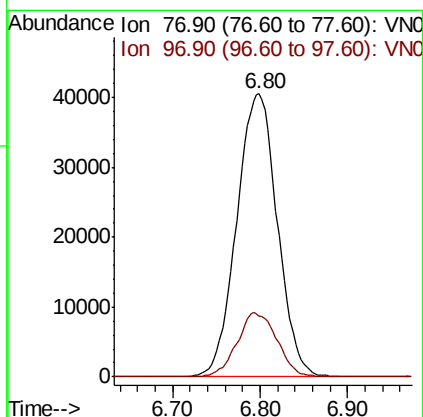
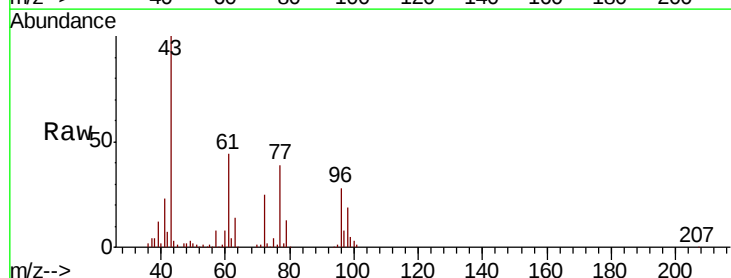
Acq: 4 Dec 2019 16:10

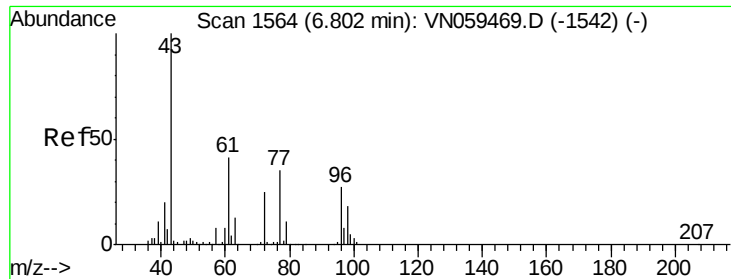
Tgt Ion: 77 Resp: 130531

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 20.530 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

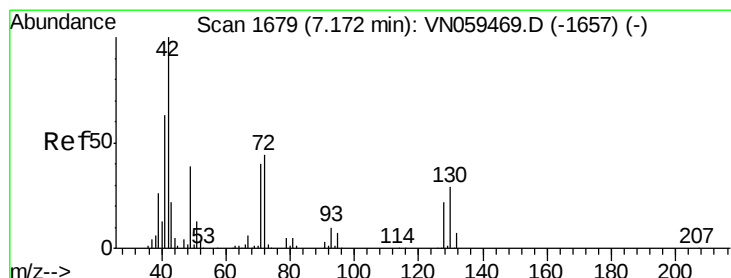
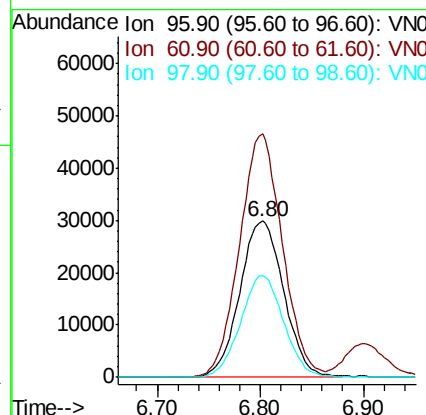
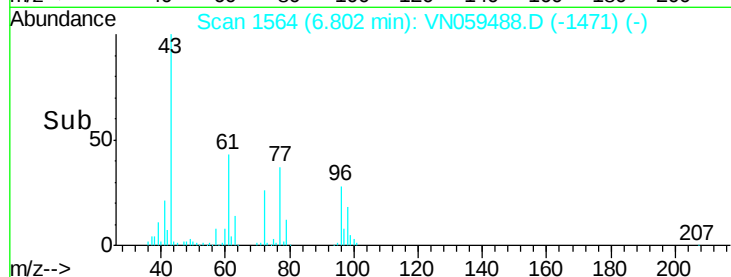
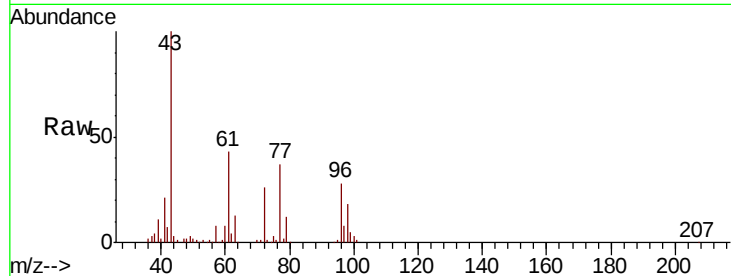
ClientSampleId :

VN1204WBSD01

Tot Ion:	96	Resp:	88618
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	307.4
98	63.8	0.0	129.2

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#28

Bromochloromethane

Concen: 22.107 ug/l

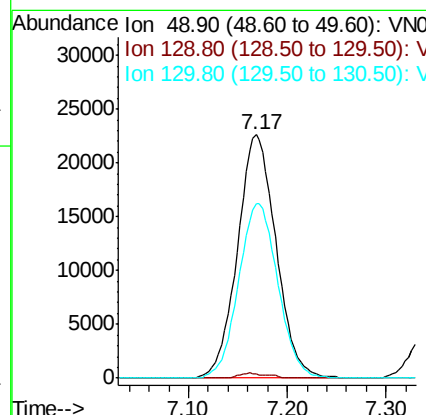
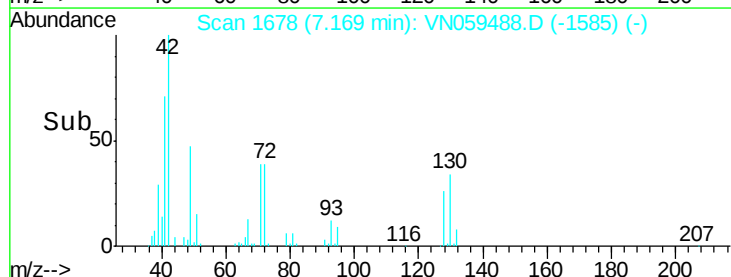
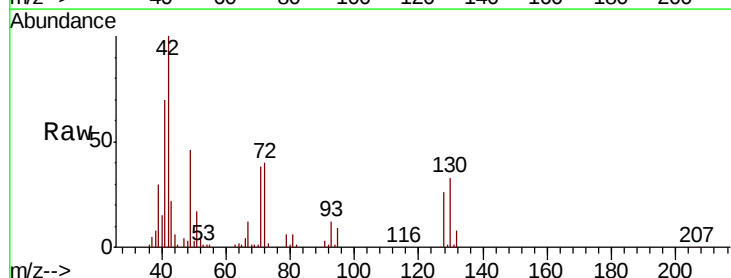
RT: 7.17 min Scan# 1678

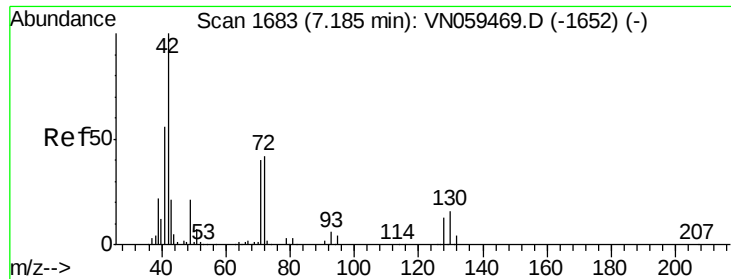
Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion:	49	Resp:	61331
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	72.7	58.4	87.6





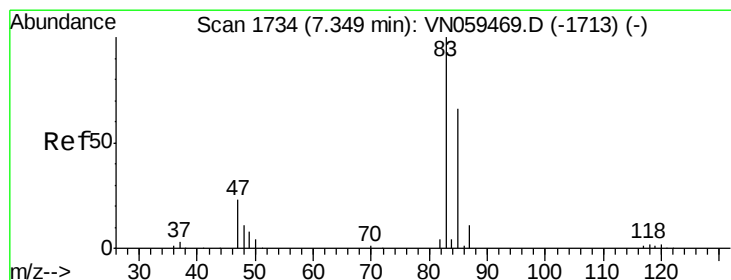
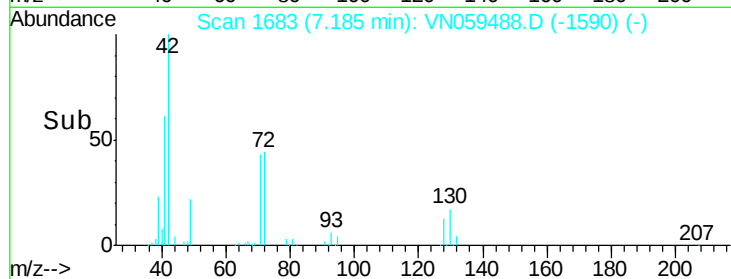
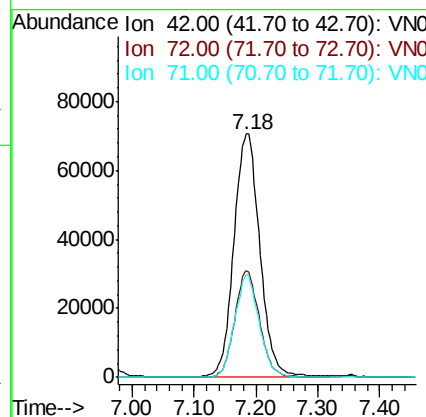
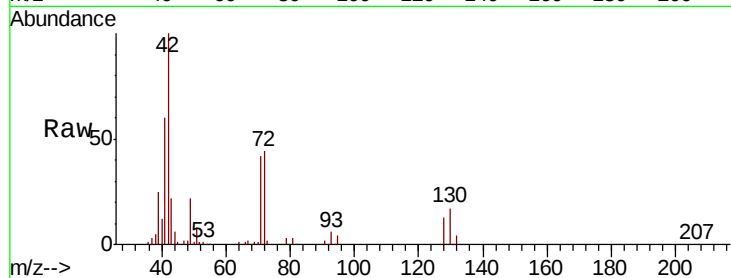
#29
Tetrahydrofuran
Concen: 103.141 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.2	51.2
71	40.1	32.0	48.0

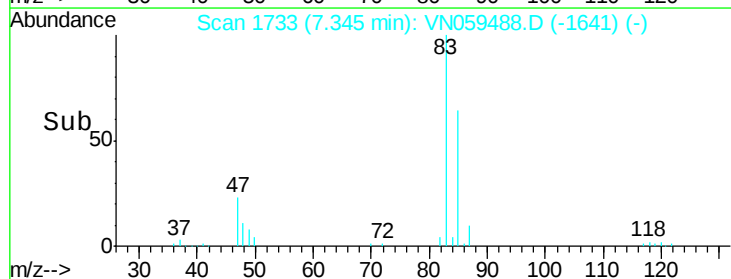
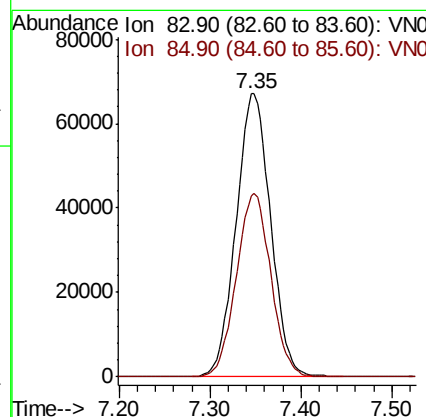
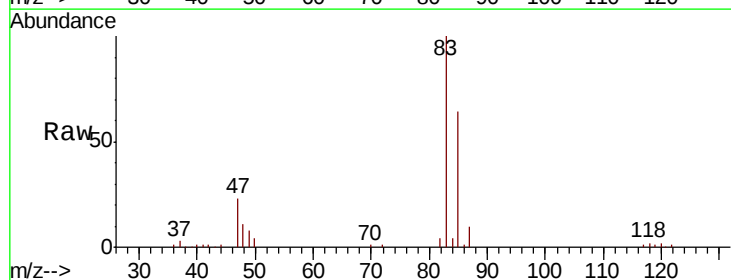
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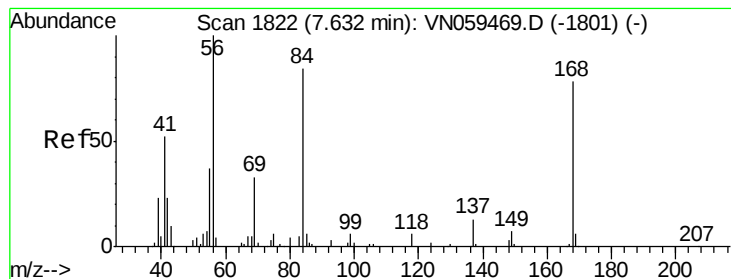
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#30
Chloroform
Concen: 25.322 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6





#31

Cyclohexane

Concen: 20.313 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 56 Resp: 142375

Ion Ratio Lower Upper

56 100

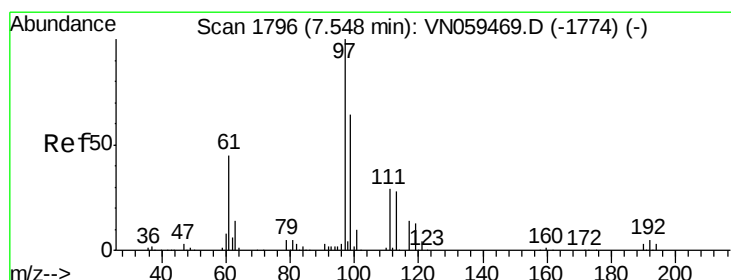
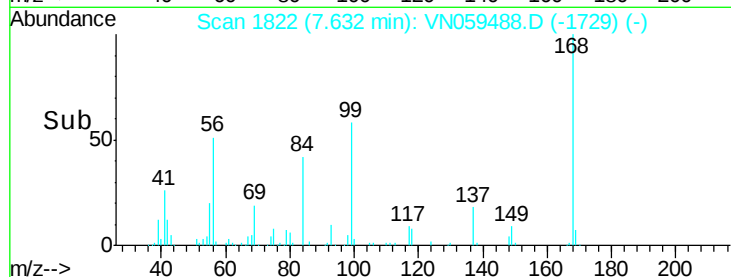
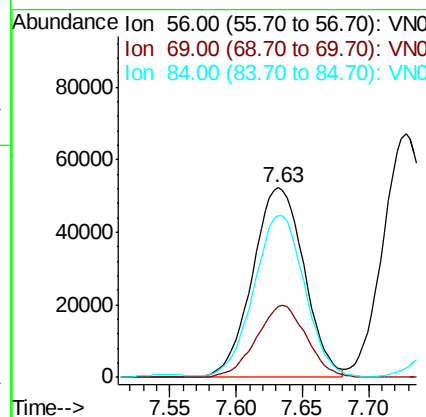
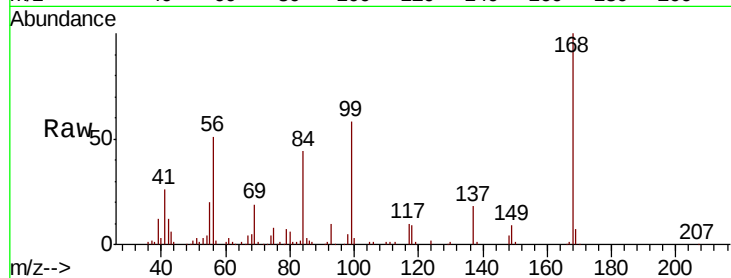
69 37.5 26.2 39.4

84 84.6 66.8 100.2

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#32

1,1,1-Trichloroethane

Concen: 20.763 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

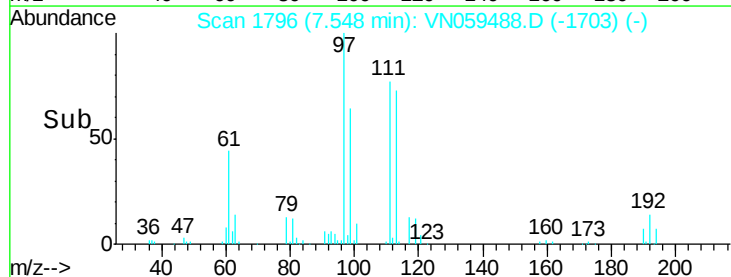
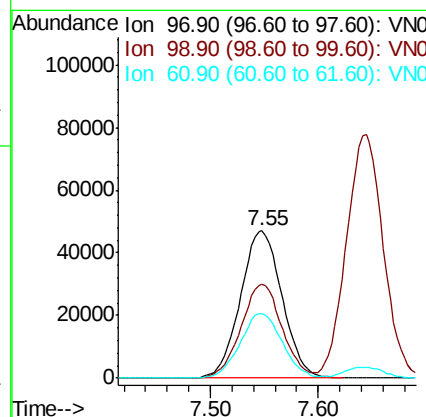
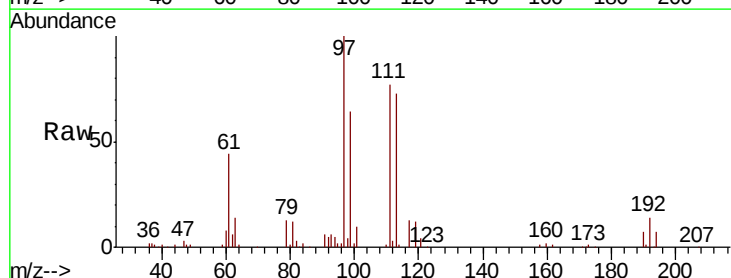
Tgt Ion: 97 Resp: 126048

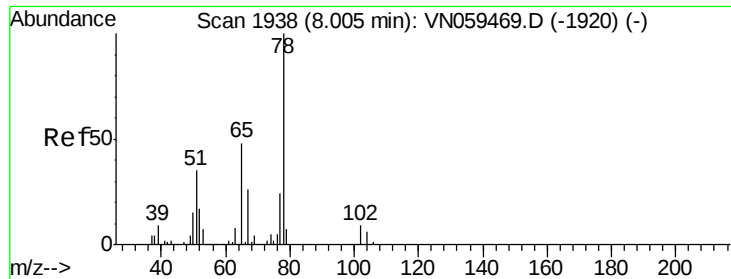
Ion Ratio Lower Upper

97 100

99 62.9 51.7 77.5

61 44.7 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 52.879 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 65 Resp: 219996

Ion Ratio Lower Upper

65 100

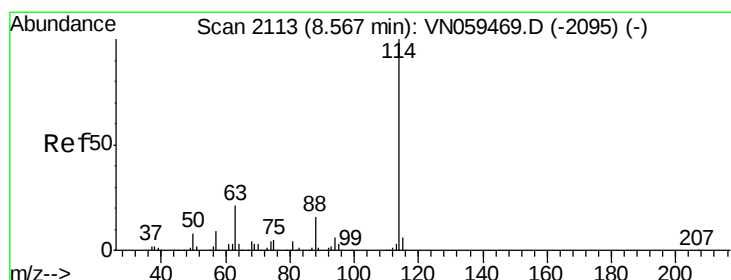
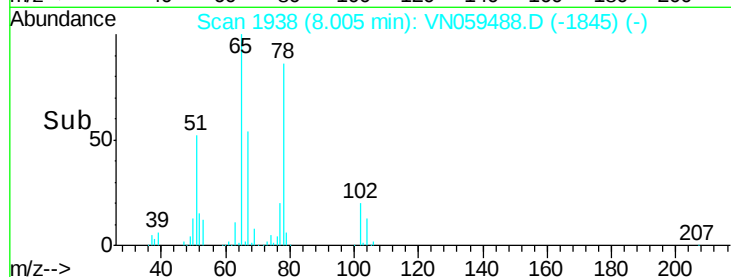
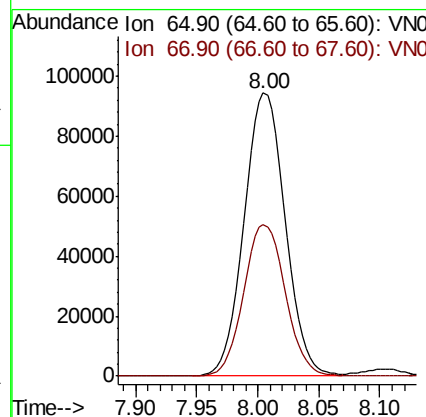
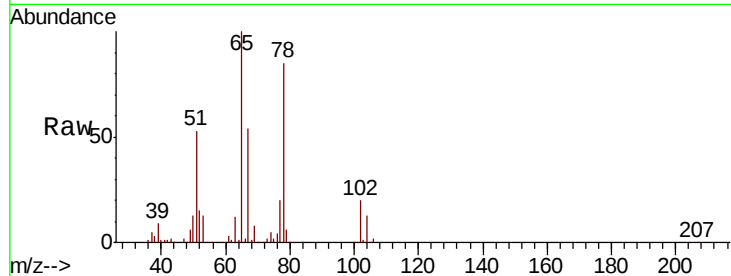
67 54.3 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

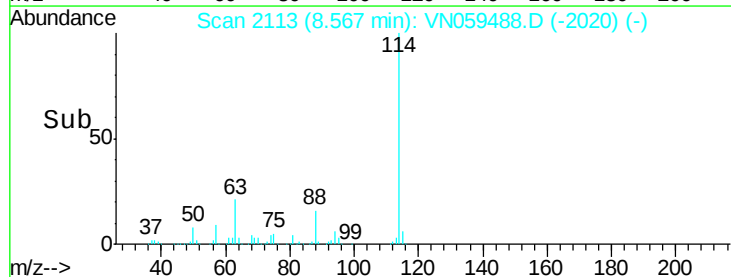
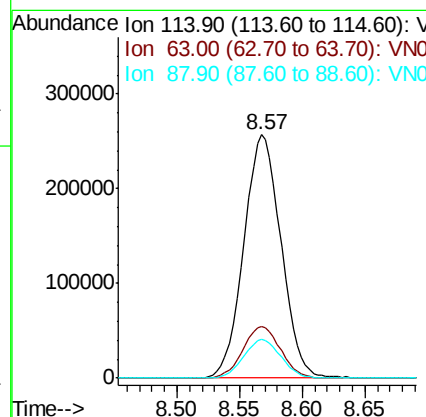
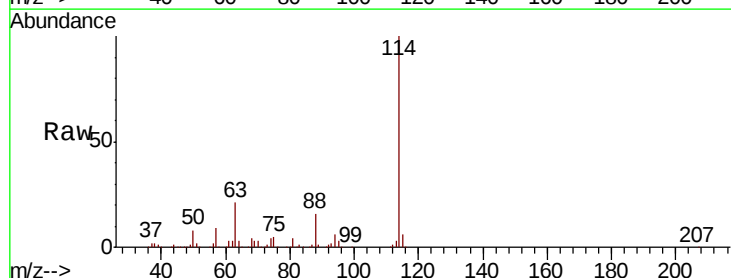
Tgt Ion: 114 Resp: 529987

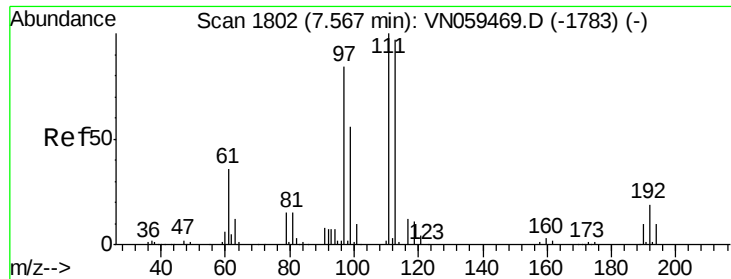
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 15.9 0.0 32.8





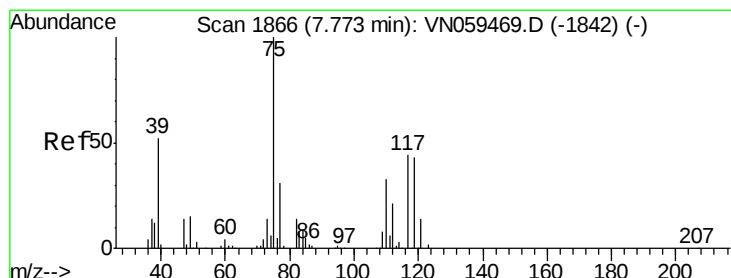
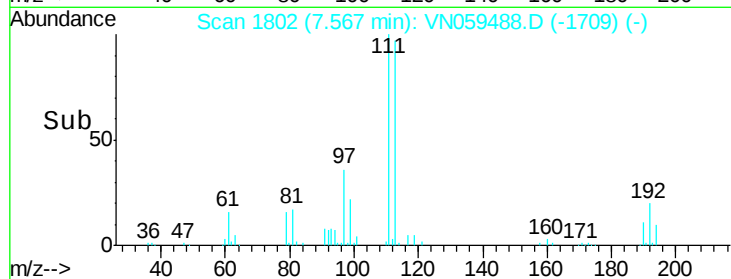
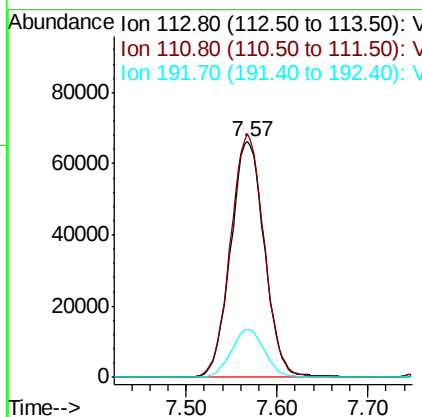
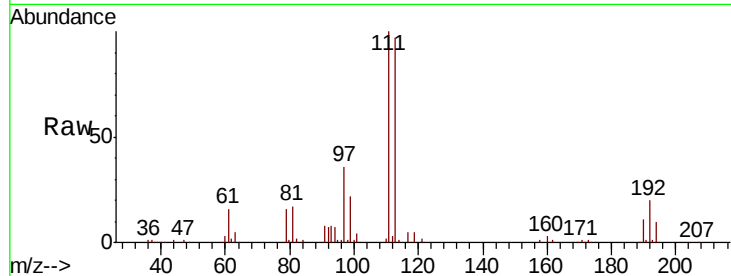
#35
 Dibromofluoromethane
 Concen: 51.793 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170963		
111	102.4	82.5	123.7	
192	20.1	16.1	24.1	

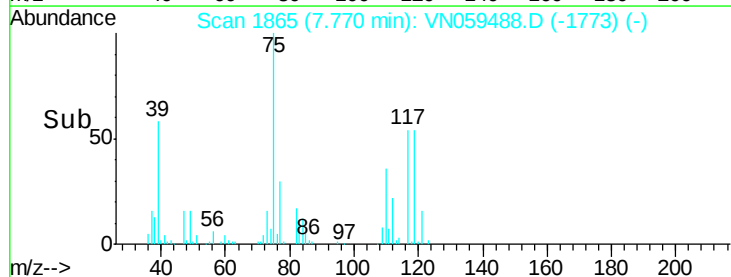
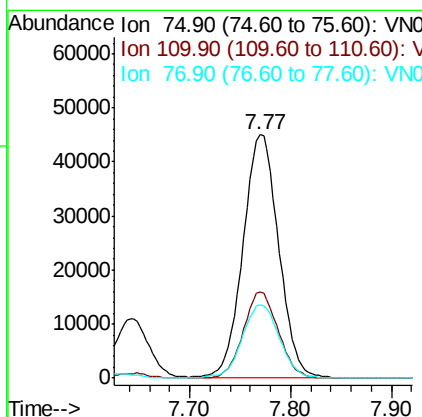
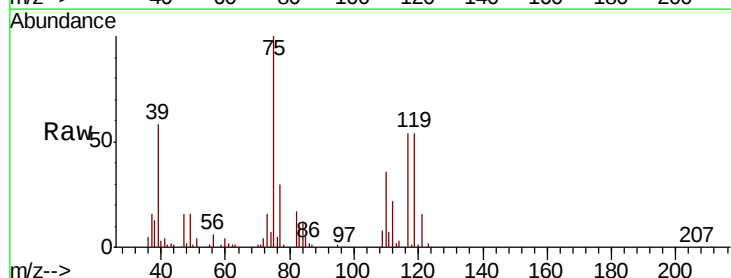
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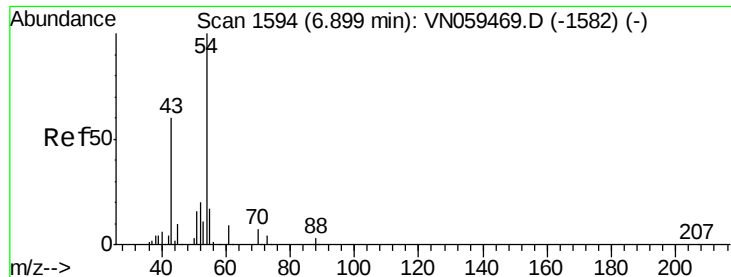
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#36
 1,1-Dichloropropene
 Concen: 20.048 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110568		
110	34.4	16.9	50.7	
77	31.4	25.1	37.7	





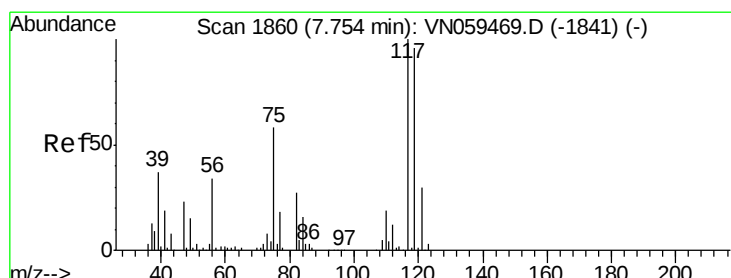
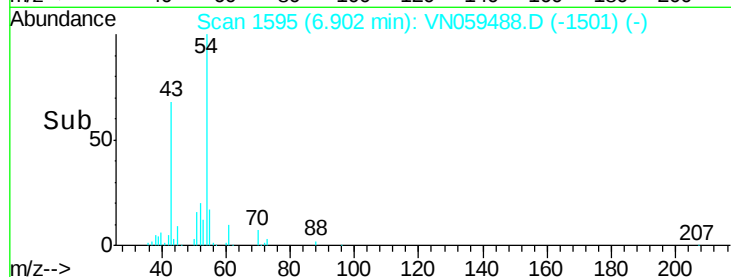
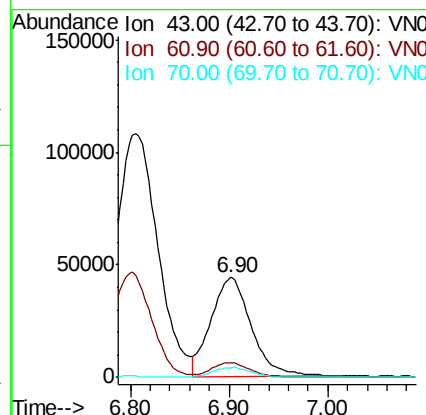
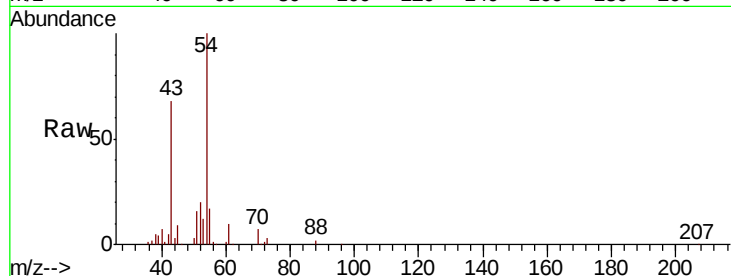
#37
Ethyl Acetate
Concen: 20.327 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.9		11.3	16.9
70	9.9		8.3	12.5

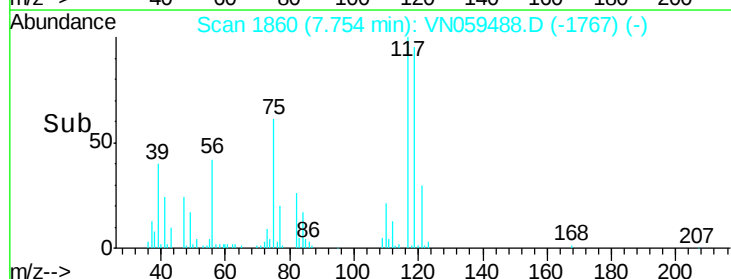
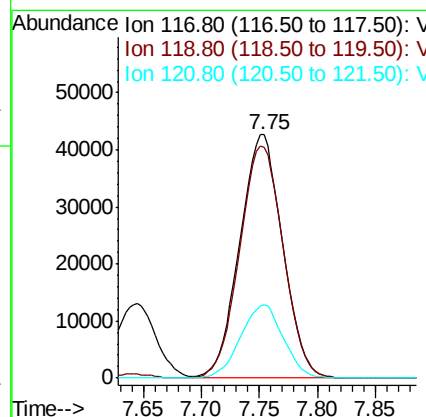
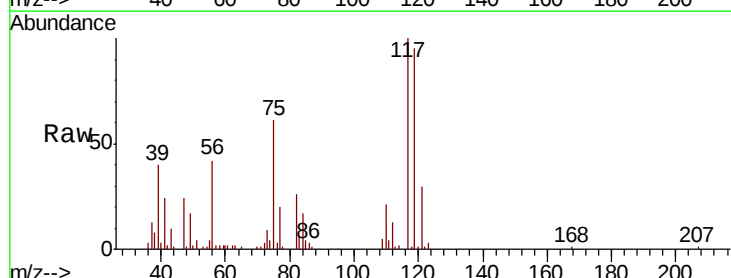
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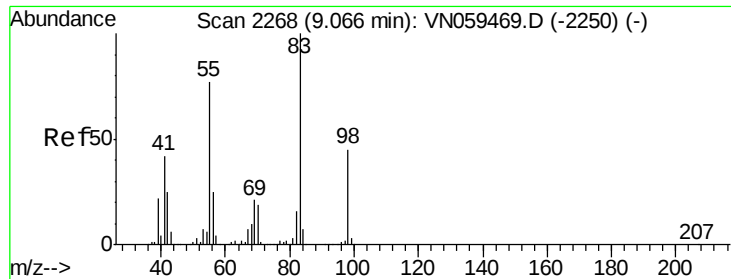
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#38
Carbon Tetrachloride
Concen: 20.721 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9		76.6	114.8
121	30.3		24.0	36.0





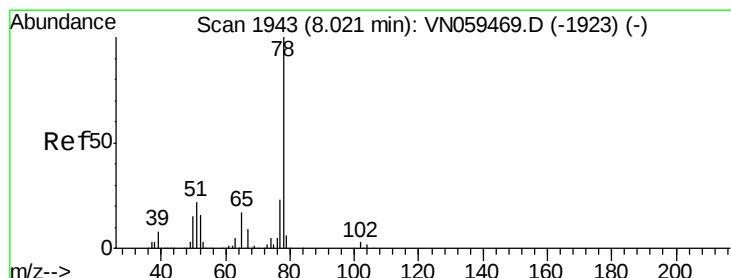
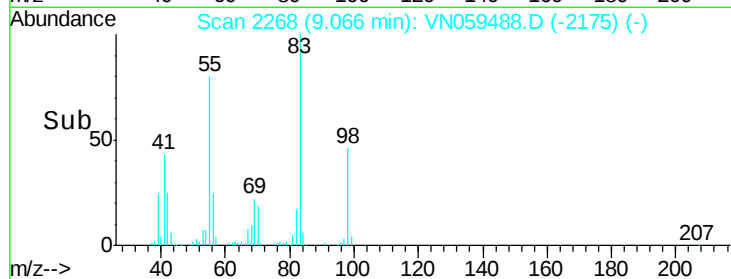
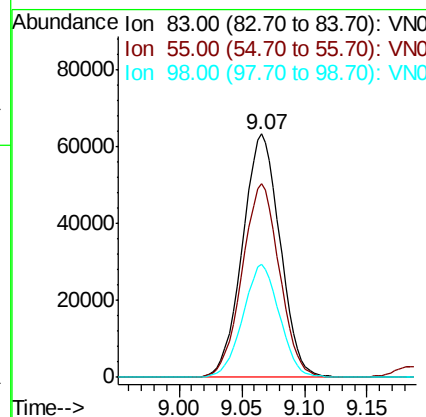
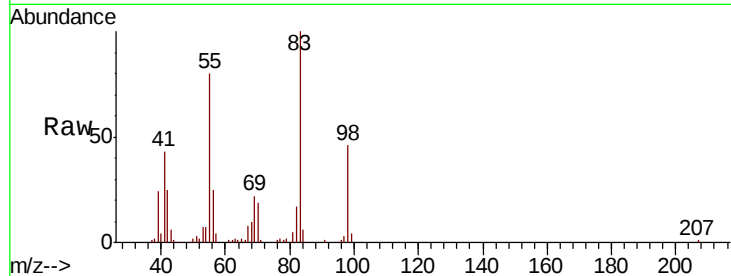
#39
Methvlcvclohexane
Concen: 19.872 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.8	92.6
98	46.4	36.2	54.2

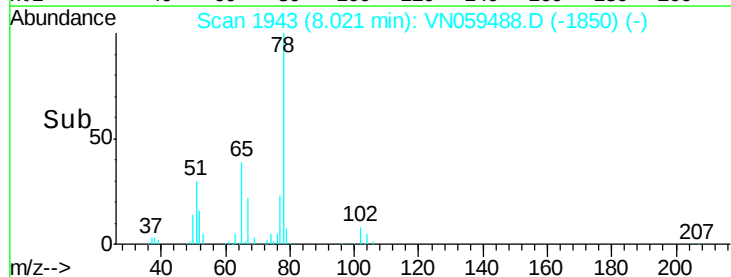
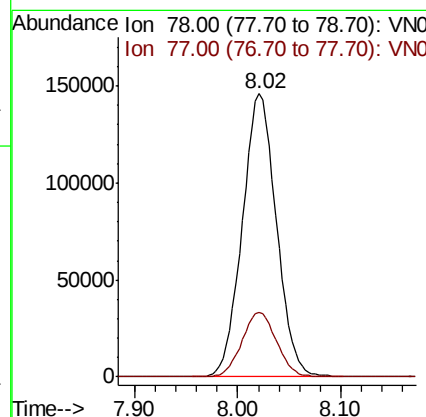
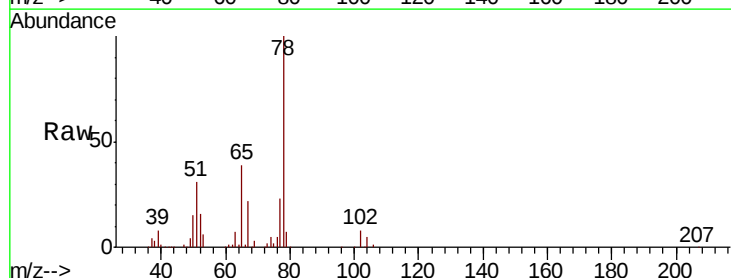
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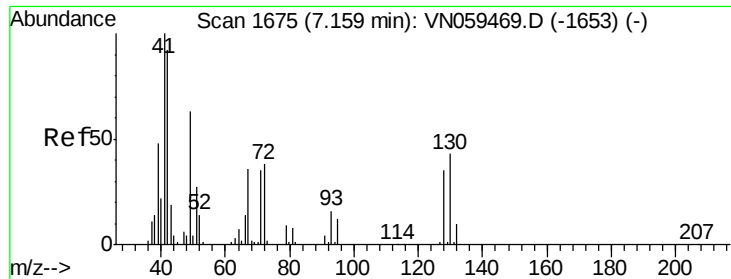
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#40
Benzene
Concen: 20.801 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2





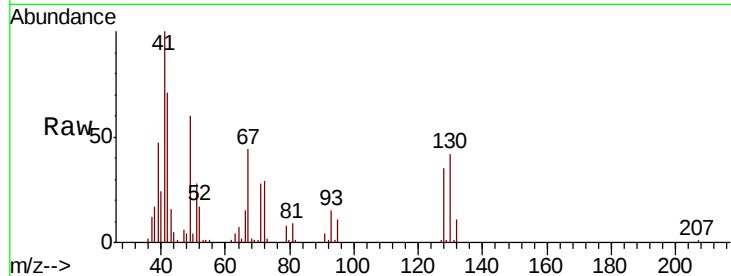
#41
Methacrylonitrile
Concen: 23.355 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

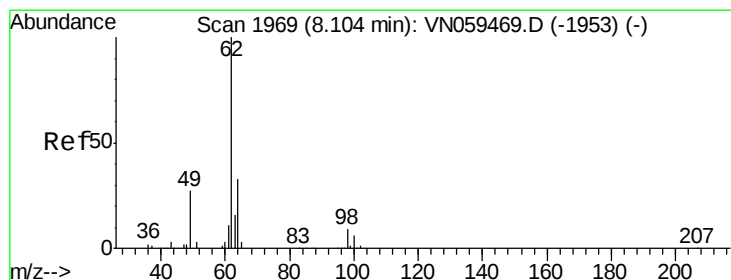
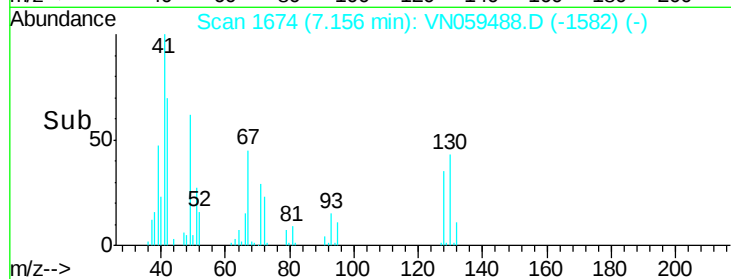
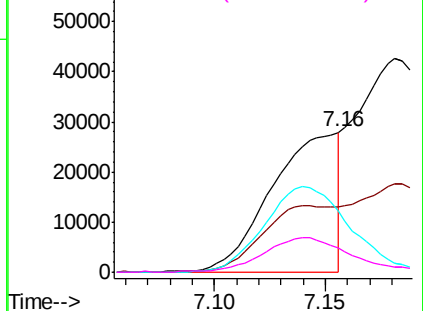
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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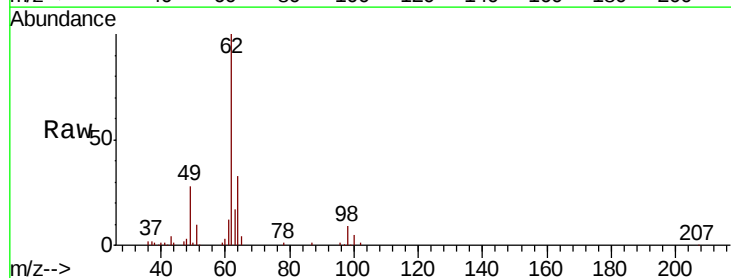


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

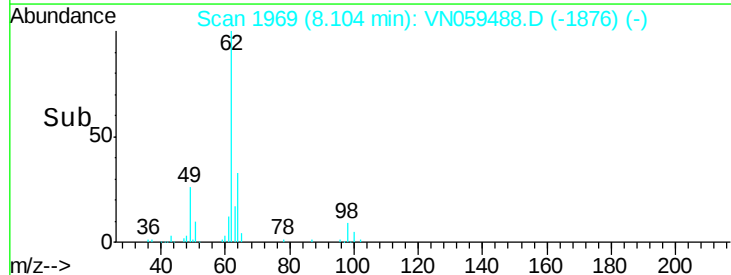
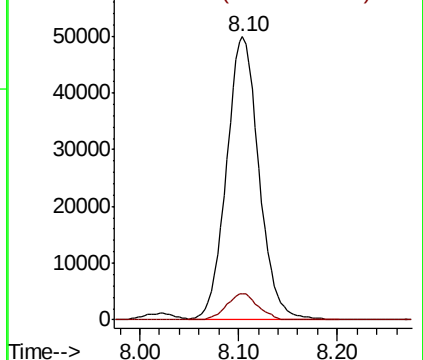


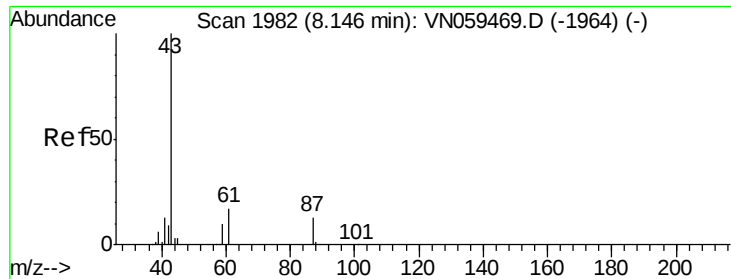
#42
1,2-Dichloroethane
Concen: 20.922 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





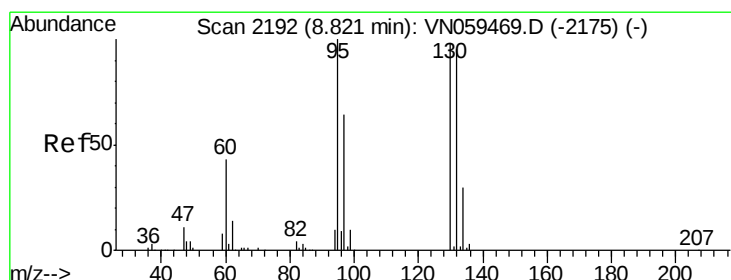
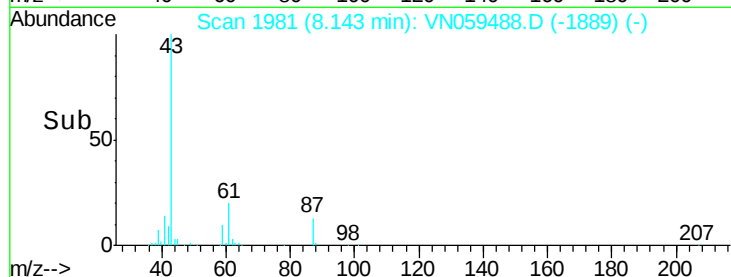
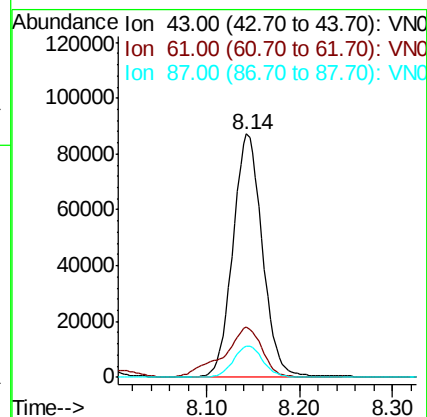
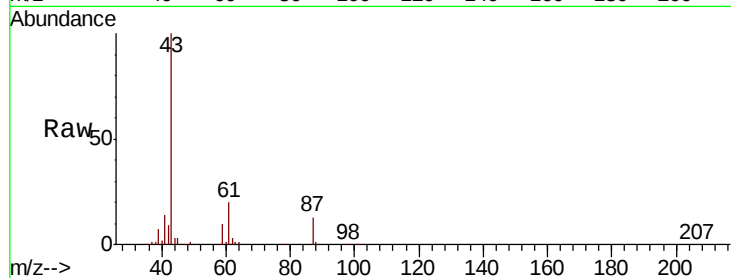
#43
Isopropyl Acetate
Concen: 20.858 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.0	31.6
87	13.0	10.4	15.6

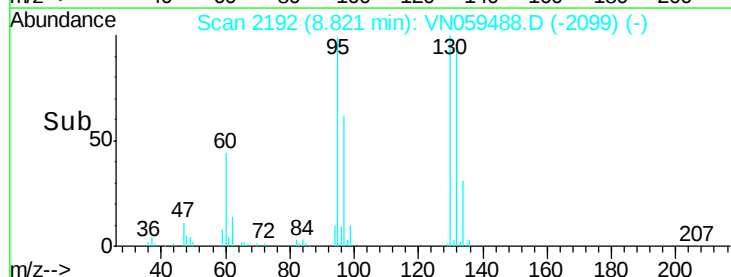
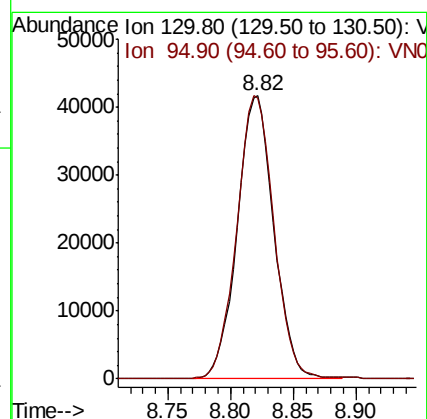
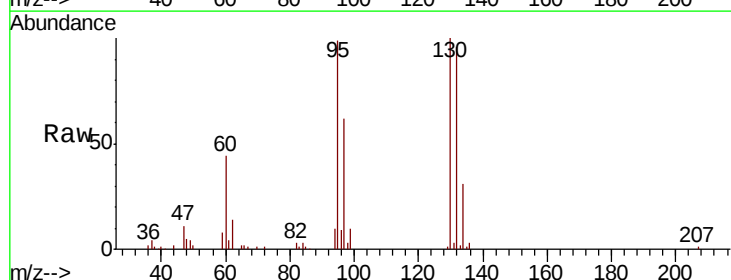
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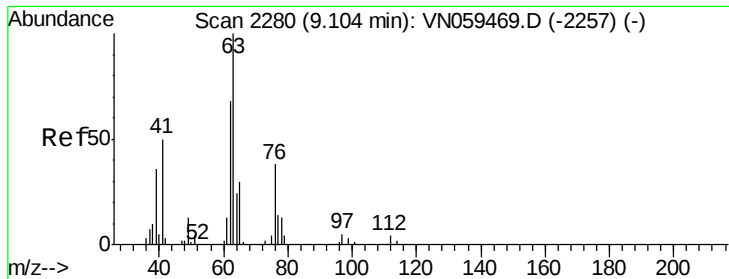
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#44
Trichloroethene
Concen: 20.028 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	203.6





#45

1,2-Dichloropropane

Concen: 20.639 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 63 Resp: 89054

Ion Ratio Lower Upper

63 100

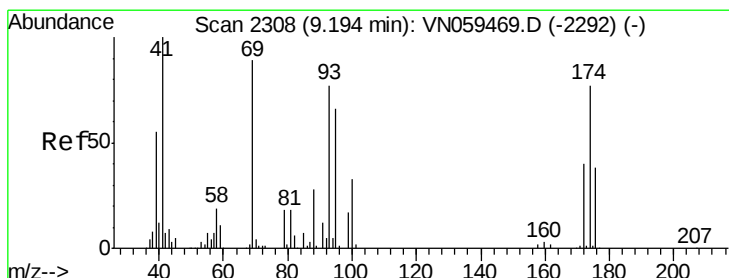
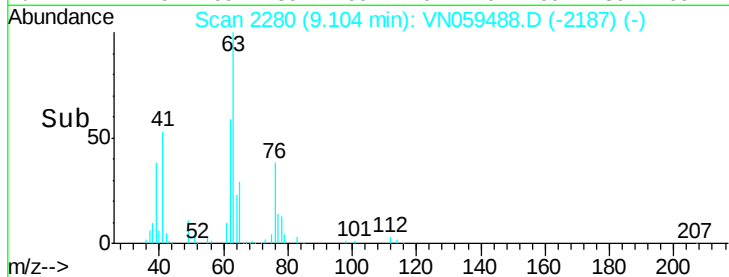
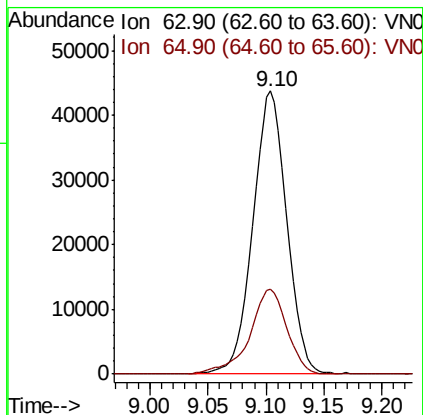
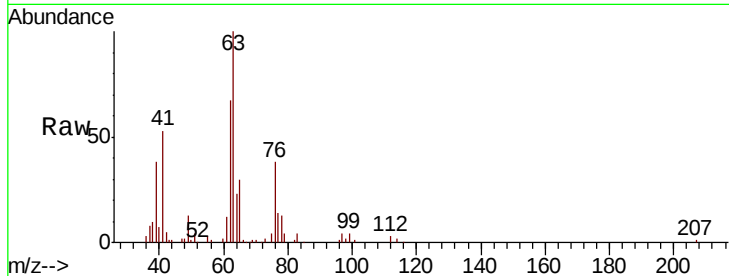
65 29.9 24.4 36.6

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#46

Dibromomethane

Concen: 20.581 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

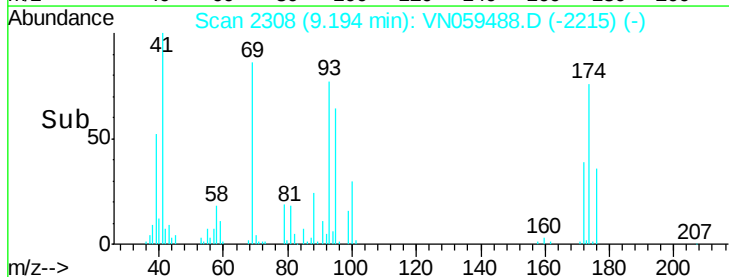
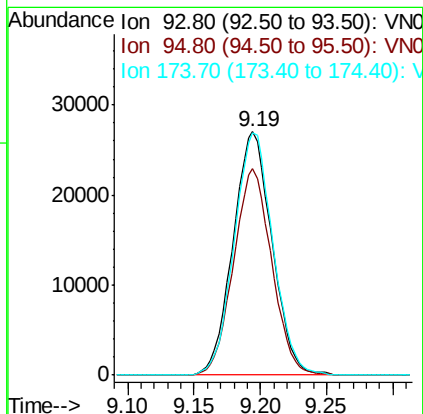
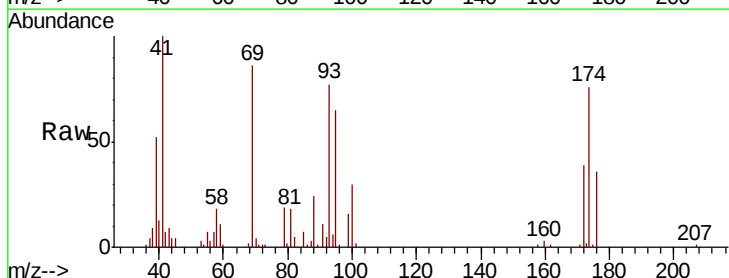
Tgt Ion: 93 Resp: 55289

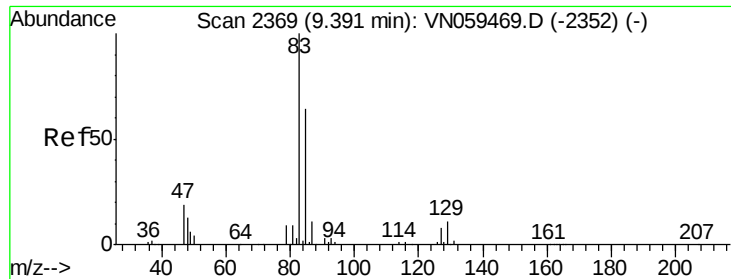
Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

174 98.8 79.6 119.4





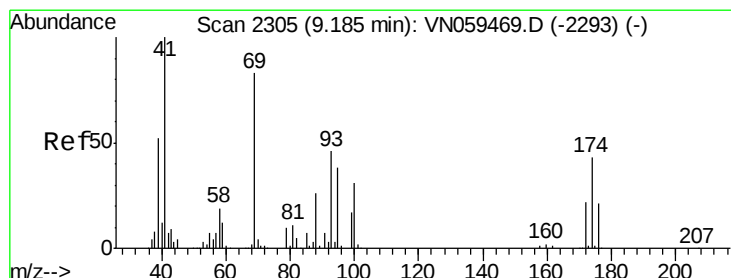
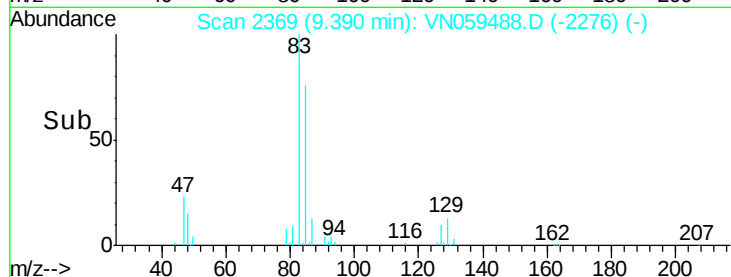
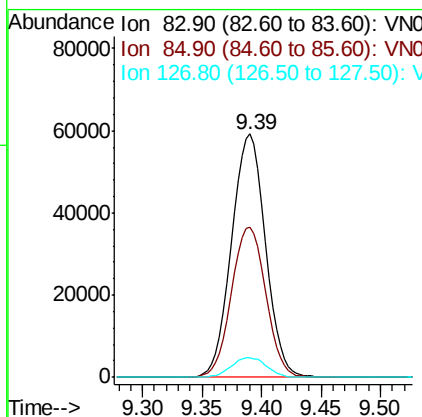
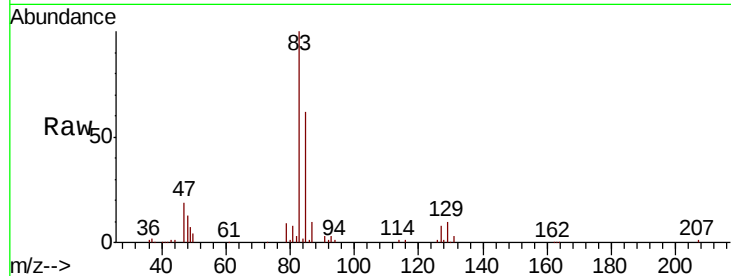
#47
Bromodichloromethane
Concen: 21.778 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	117305		
85	61.6		51.0	76.6
127	8.1		6.6	9.8

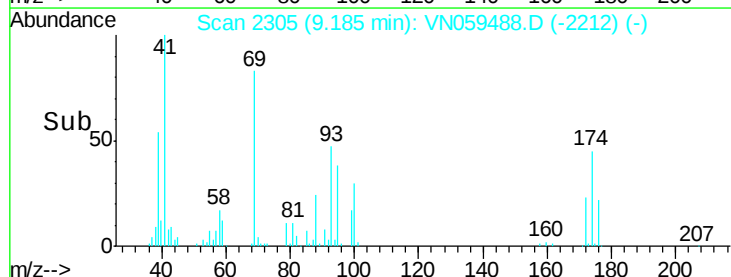
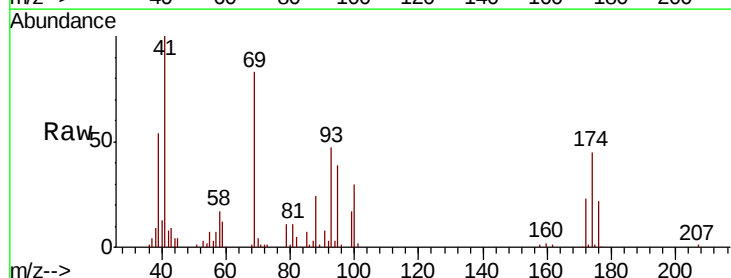
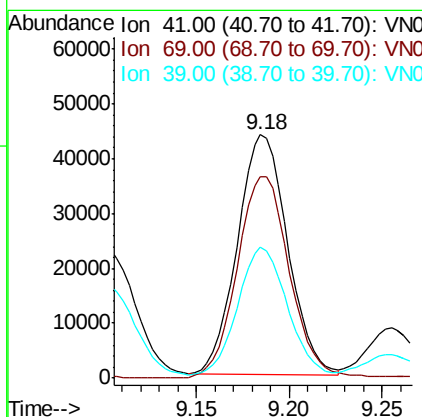
Manual Integrations
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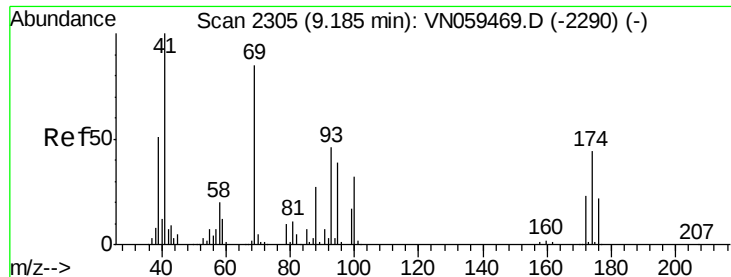
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#48
Methyl methacrylate
Concen: 19.966 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	82535		
69	87.8		68.6	103.0
39	54.7		43.2	64.8





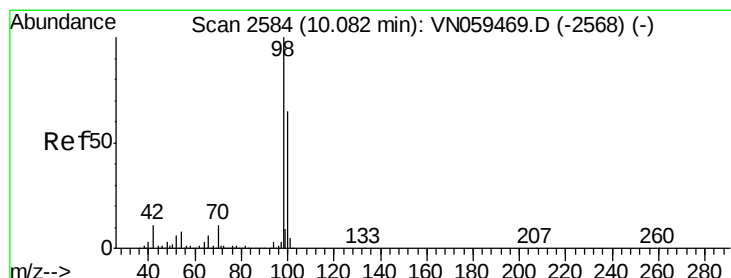
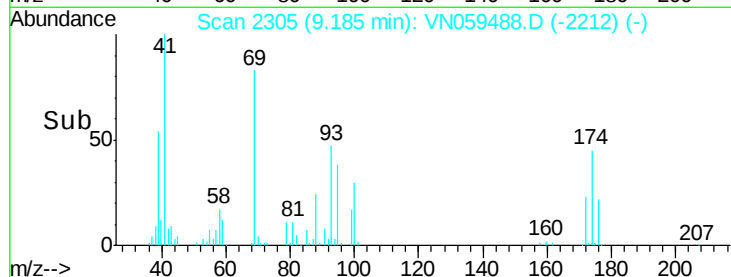
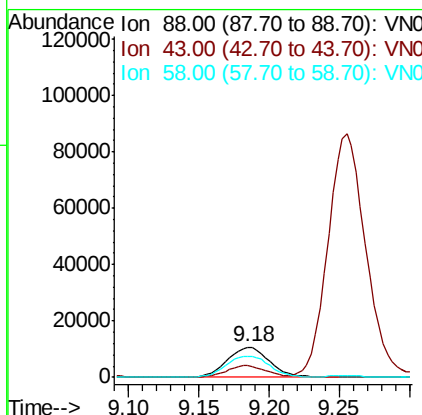
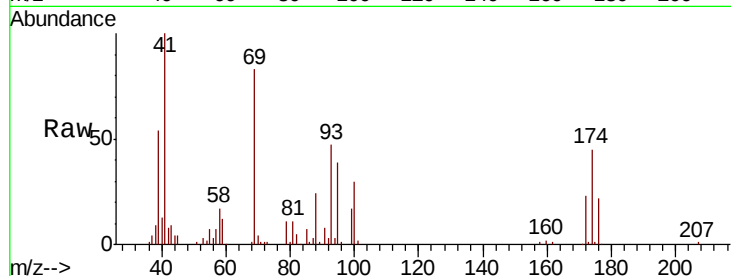
#49
1,4-Dioxane
Concen: 359.787 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	27.1	40.7
58	73.7	57.8	86.6

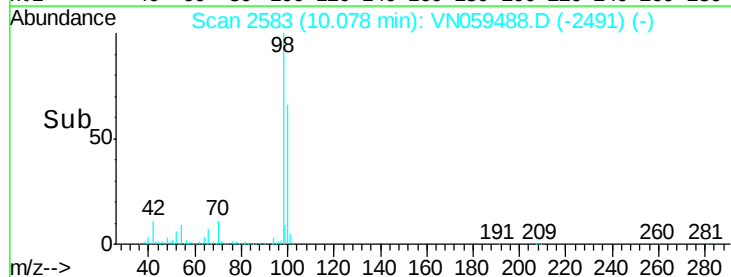
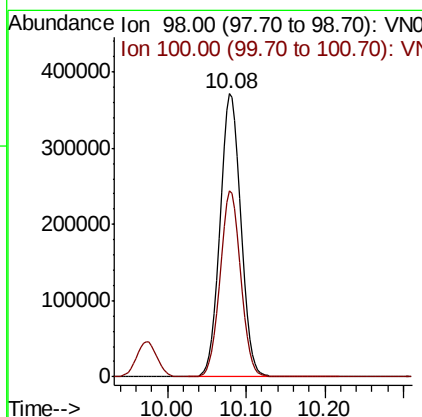
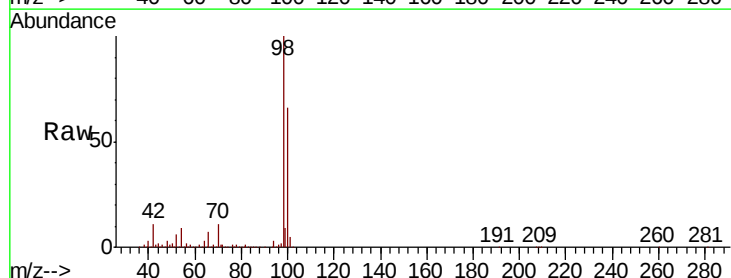
Manual Integrations
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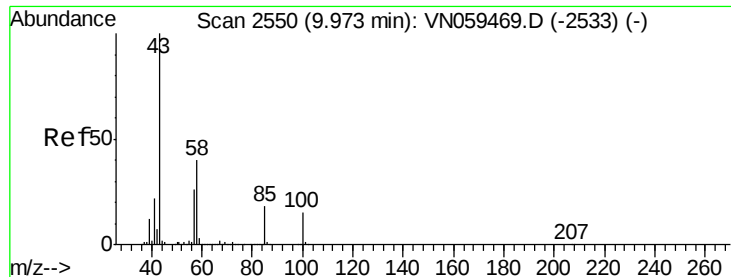
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#50
Toluene-d8
Concen: 51.948 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 109.053 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 43 Resp: 593120

Ion Ratio Lower Upper

43 100

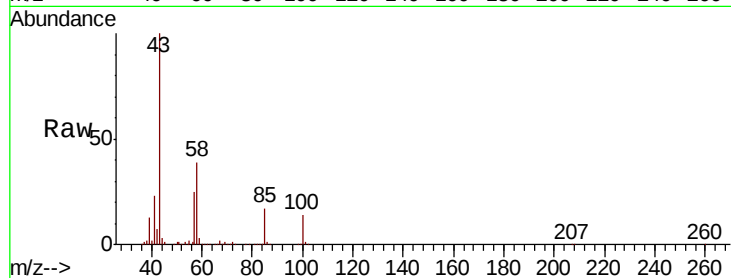
58 39.2 32.1 48.1

Manual Integrations

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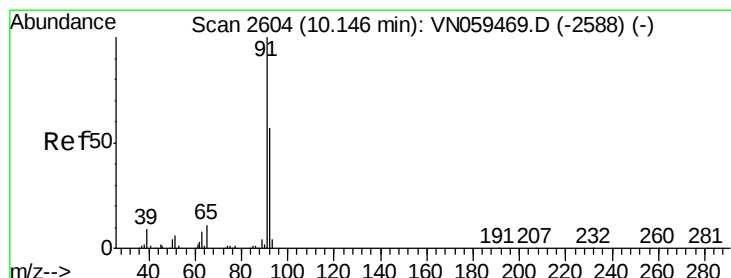
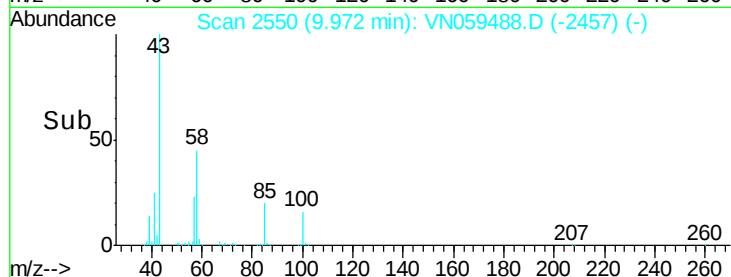
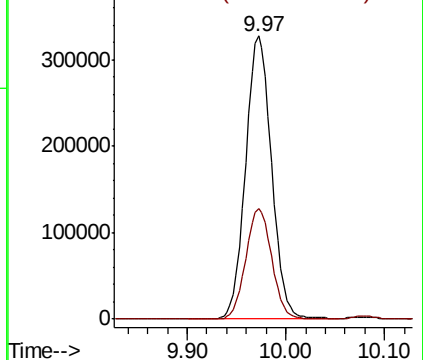
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.826 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059488.D

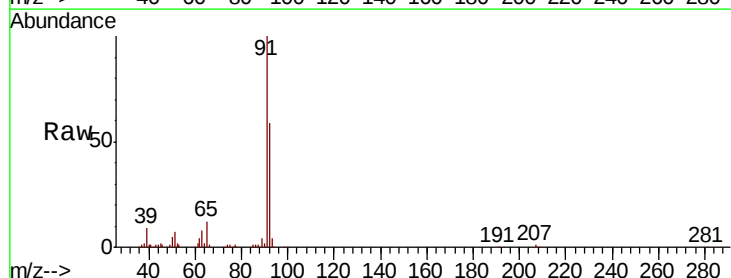
Acq: 4 Dec 2019 16:10

Tgt Ion: 92 Resp: 203422

Ion Ratio Lower Upper

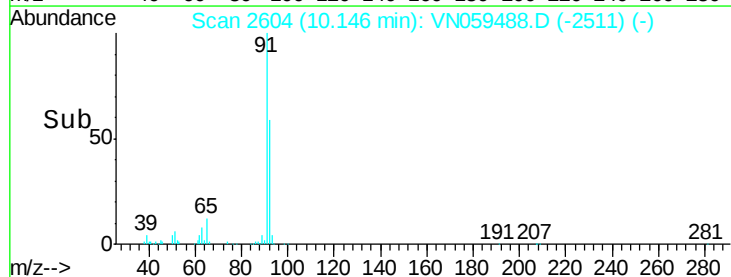
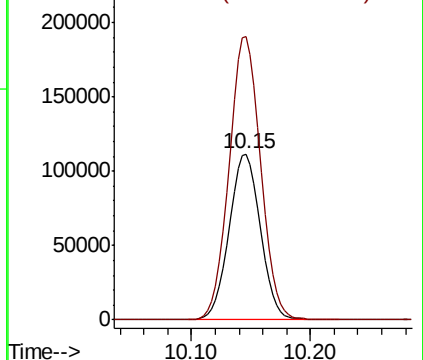
92 100

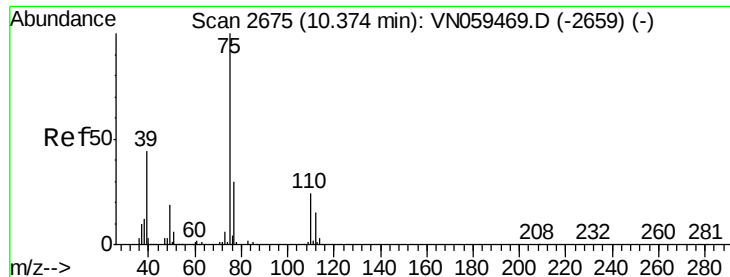
91 172.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.316 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 75 Resp: 128767

Ion Ratio Lower Upper

75 100

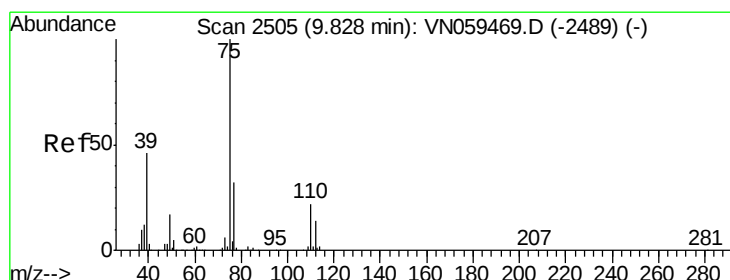
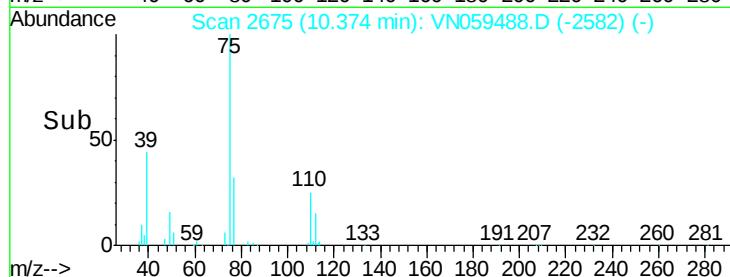
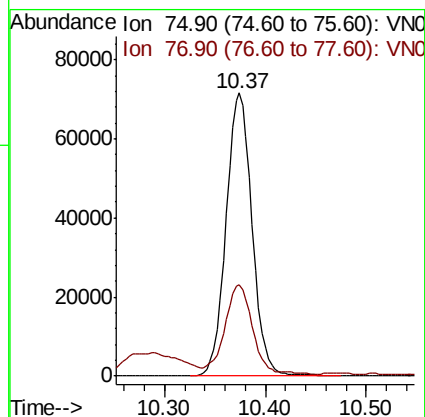
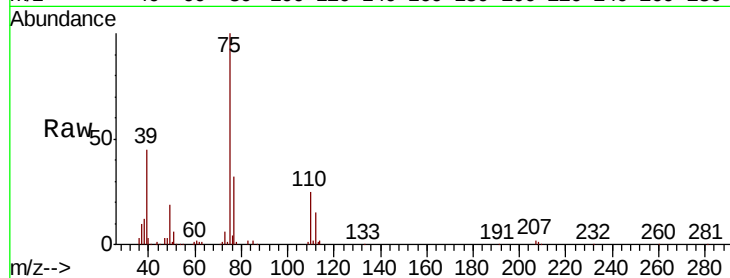
77 31.2 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 20.717 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

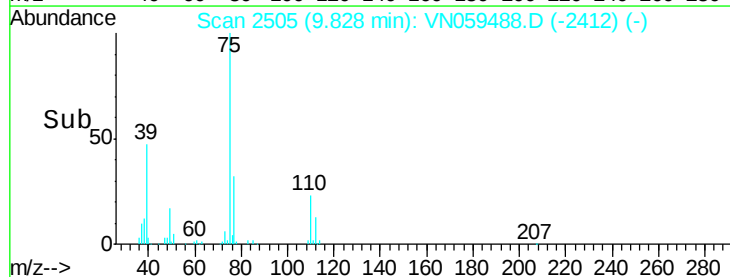
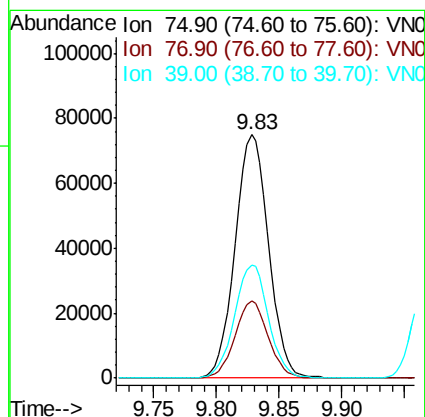
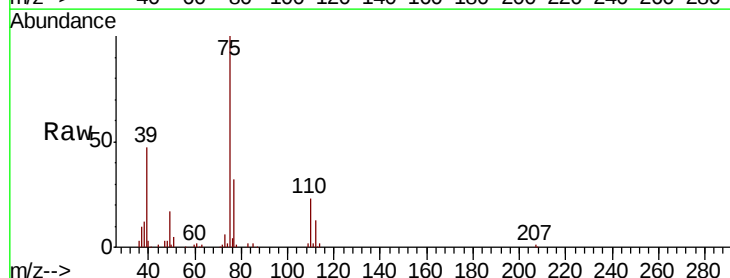
Tgt Ion: 75 Resp: 139178

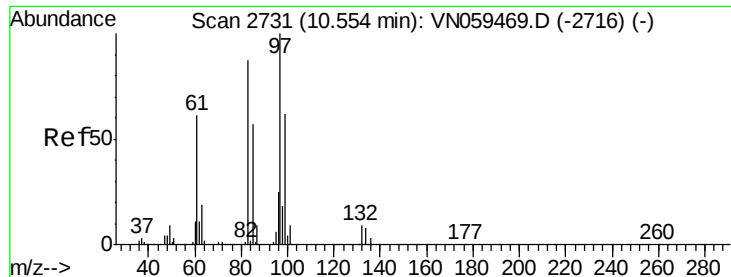
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 46.7 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 20.749 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

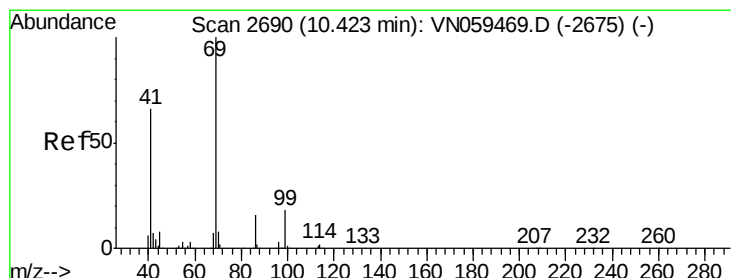
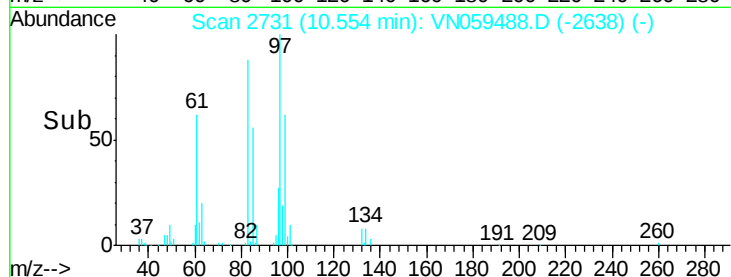
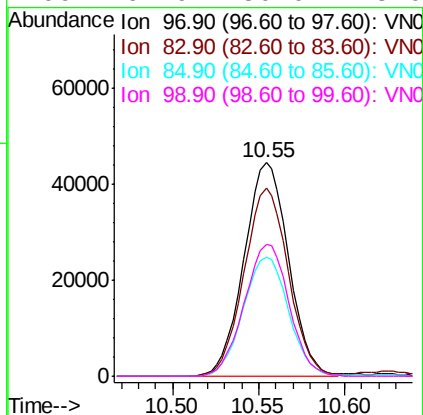
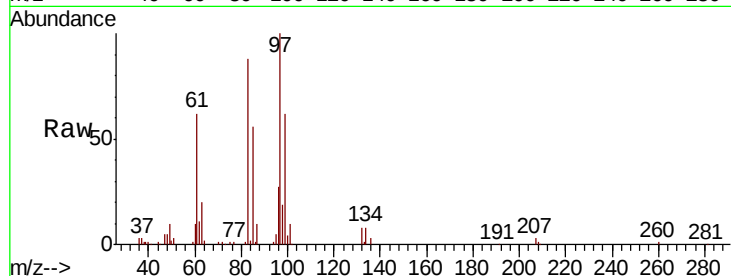
ClientSampleId :

VN1204WBSD01

Tot Ion:	97	Resp:	79895
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.8
85	56.0	45.5	68.3
99	61.9	50.0	75.0

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#56

Ethyl methacrylate

Concen: 19.614 ug/l

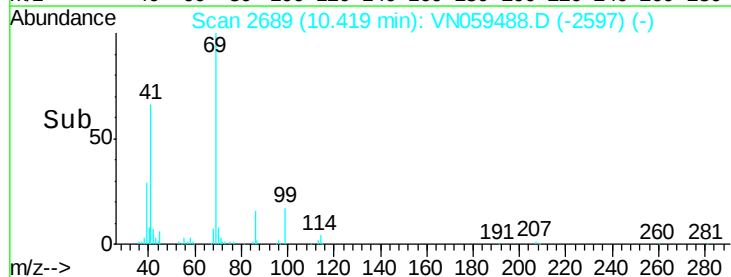
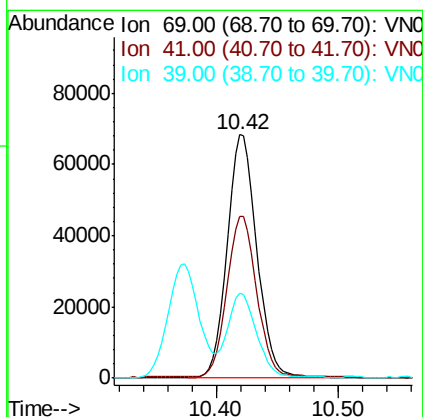
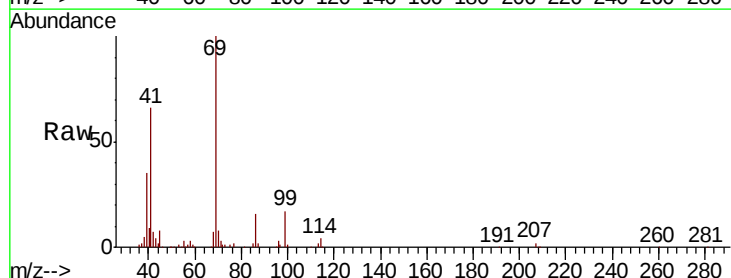
RT: 10.42 min Scan# 2689

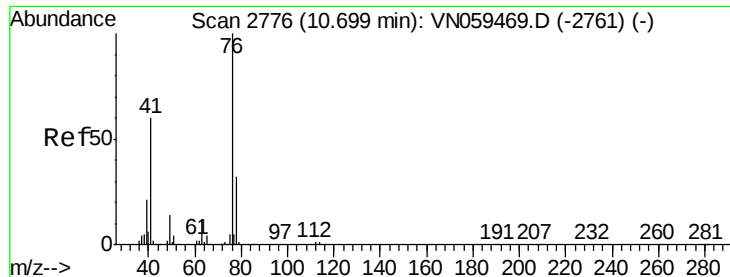
Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion:	69	Resp:	116606
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.7	79.1
39	33.0	25.0	37.6





#57

1,3-Dichloropropane

Concen: 20.726 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 76 Resp: 138008

Ion Ratio Lower Upper

76 100

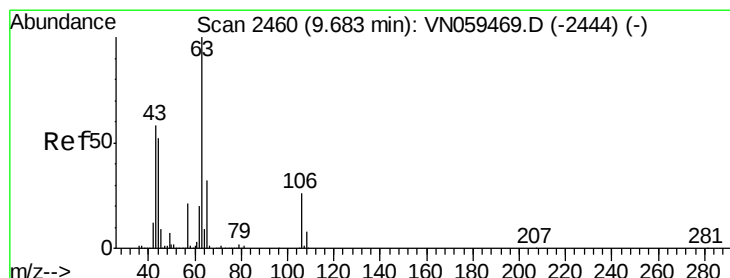
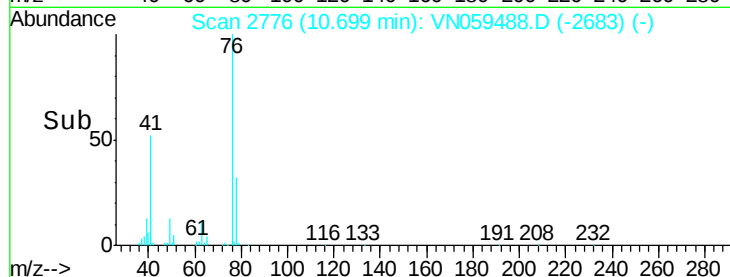
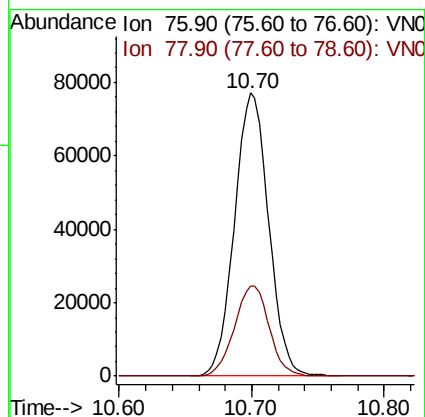
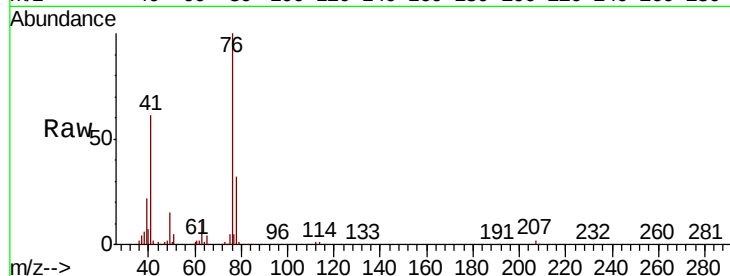
78 32.4 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 85.945 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059488.D

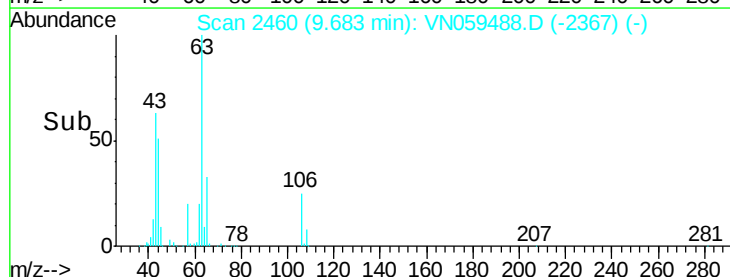
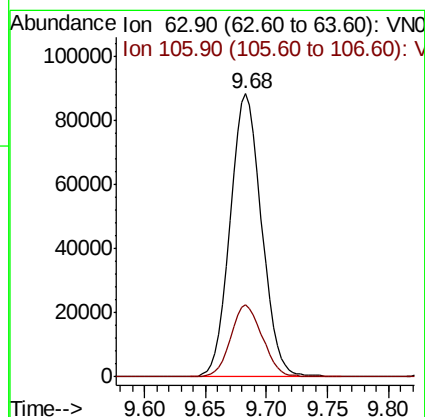
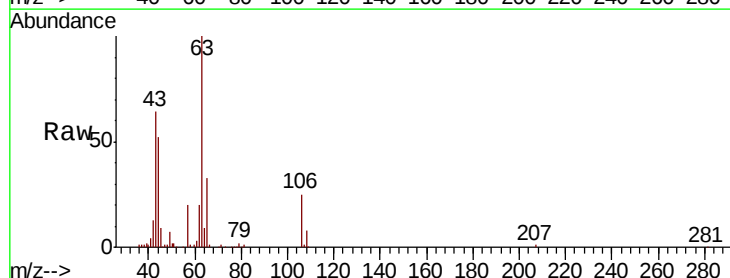
Acq: 4 Dec 2019 16:10

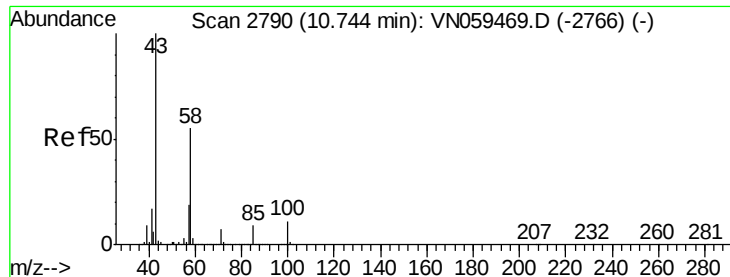
Tgt Ion: 63 Resp: 159187

Ion Ratio Lower Upper

63 100

106 25.4 20.4 30.6





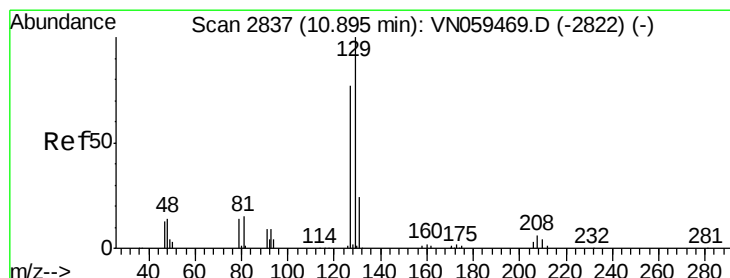
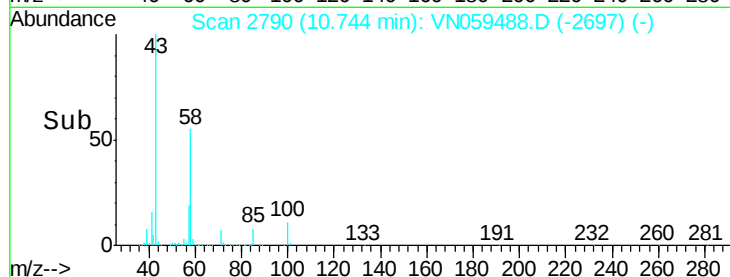
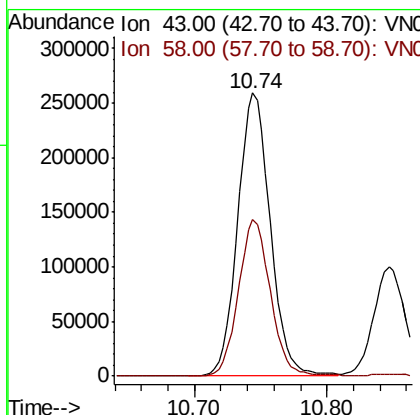
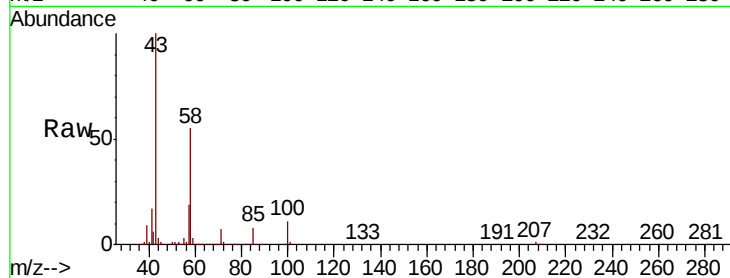
#59
2-Hexanone
Concen: 107.894 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion: 43 Resp: 441622
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.0

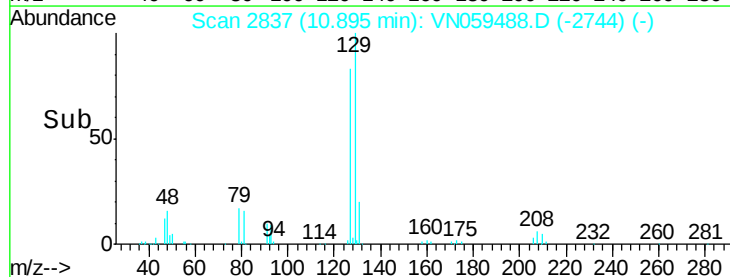
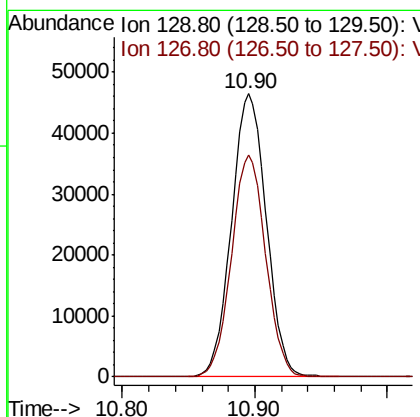
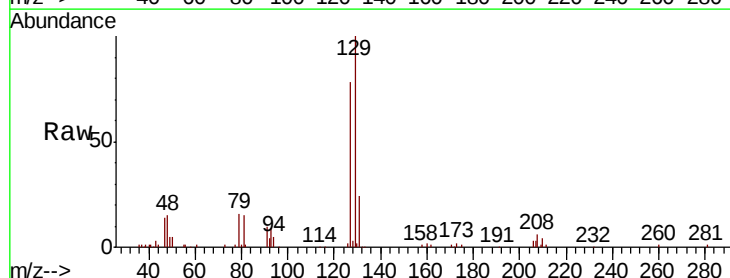
Manual Integrations
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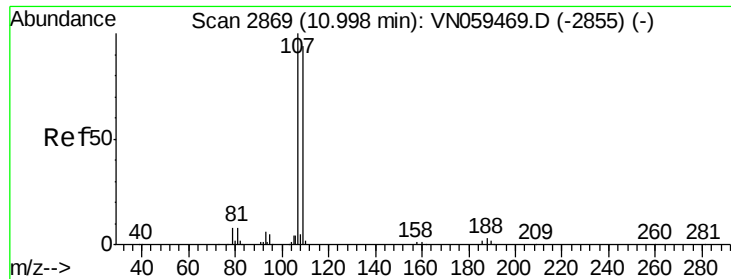
apatel
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#60
Dibromochloromethane
Concen: 20.586 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion: 129 Resp: 84636
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9





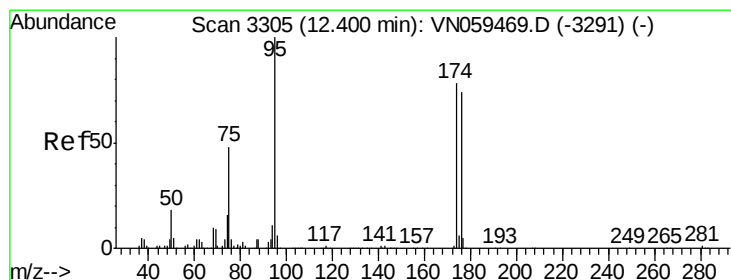
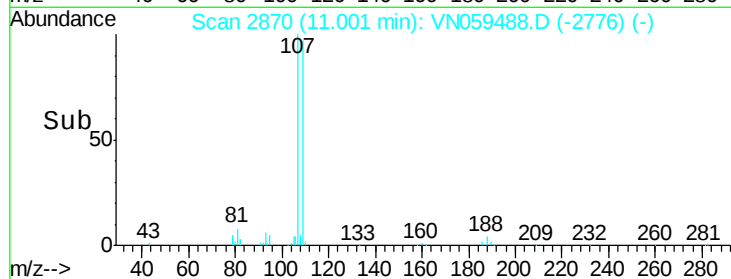
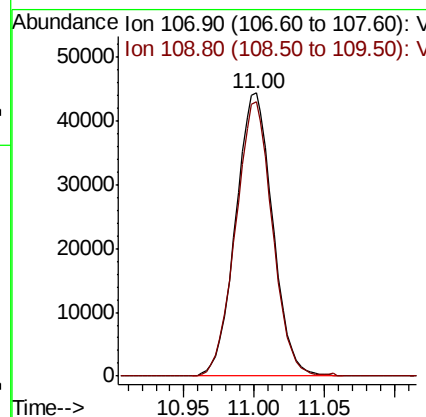
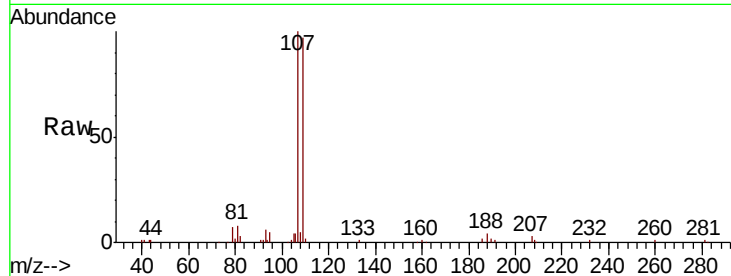
#61
 1,2-Dibromoethane
 Concen: 20.475 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tot Ion: 107 Resp: 81464
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.4 113.0

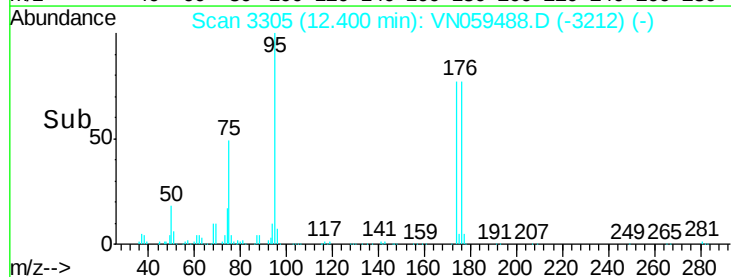
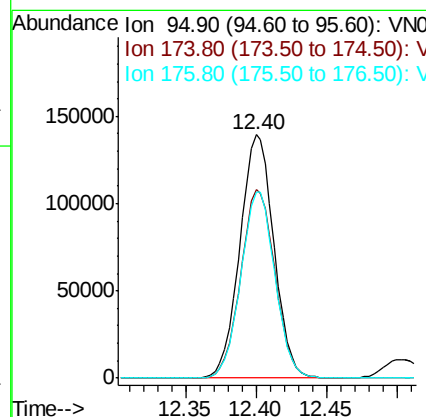
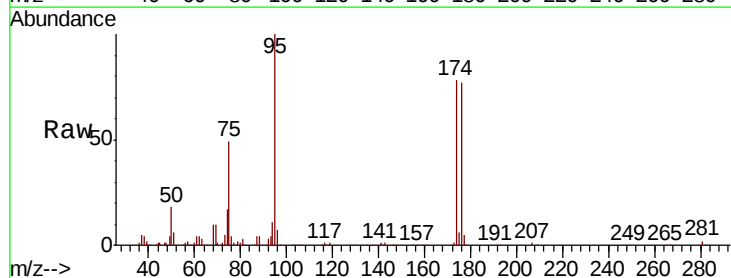
Manual Integrations
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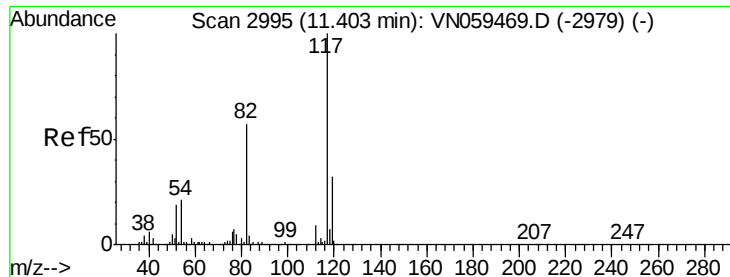
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.852 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion: 95 Resp: 235676
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 157.0
 176 76.9 0.0 152.4





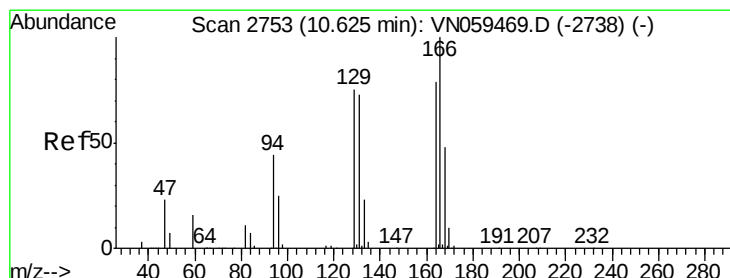
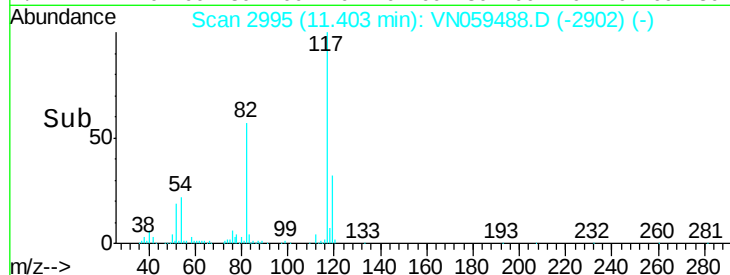
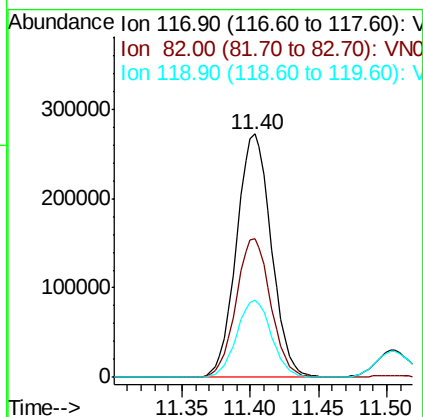
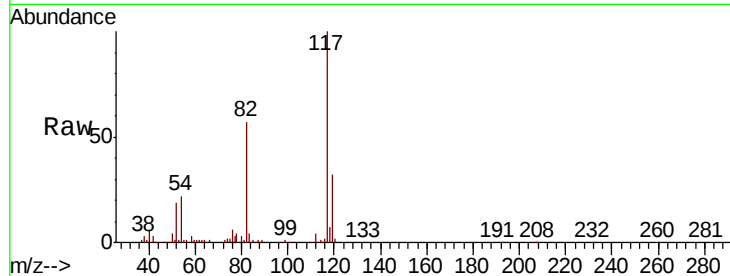
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	481911		
82	57.1		45.8	68.8
119	31.6		25.4	38.0

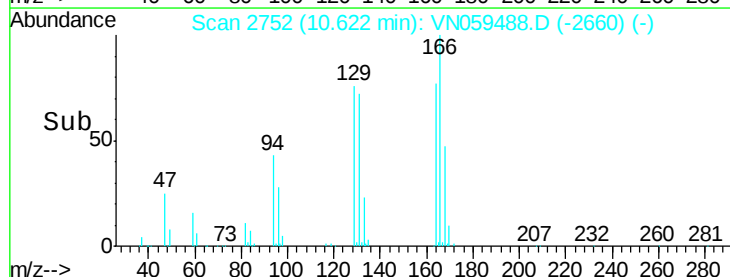
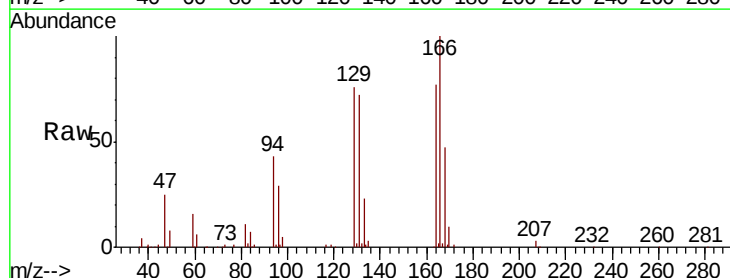
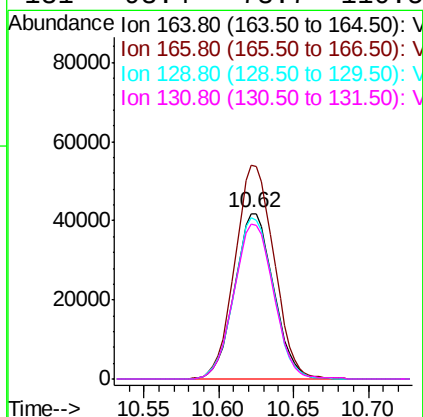
Manual Integrations
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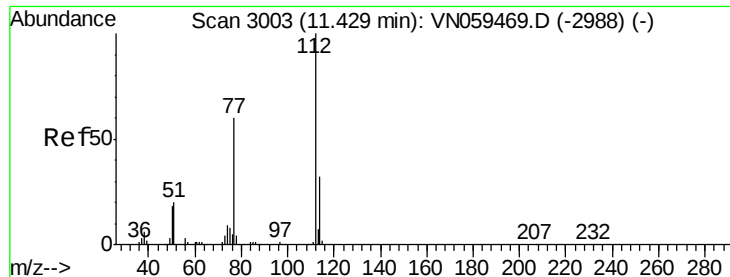
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#64
Tetrachloroethene
Concen: 18.426 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75532		
166	129.1		101.2	151.8
129	97.6		76.1	114.1
131	93.4		73.7	110.5





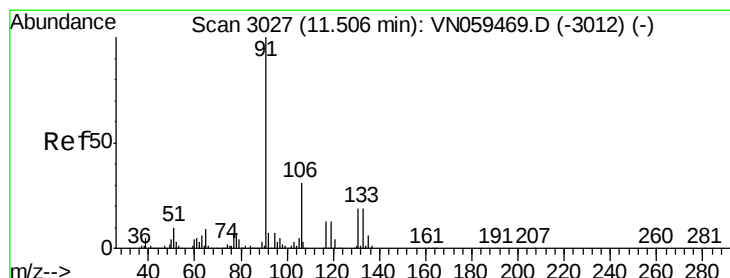
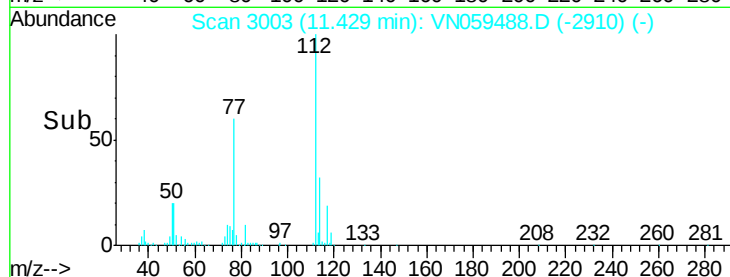
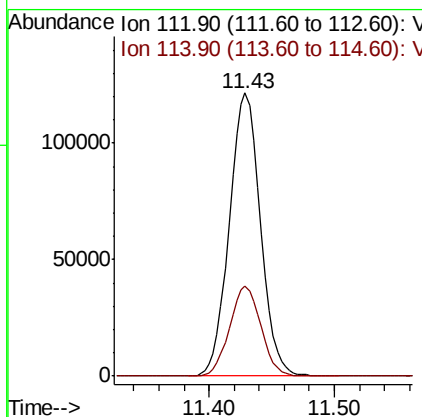
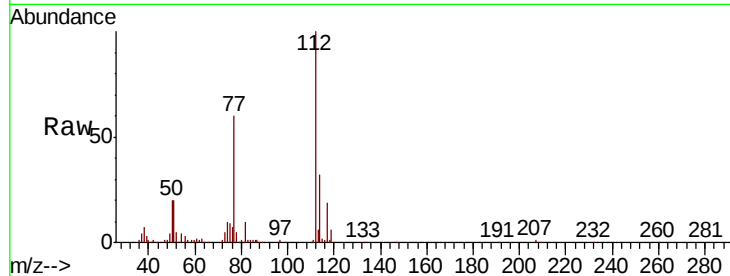
#65
Chlorobenzene
Concen: 19.822 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.7	38.5

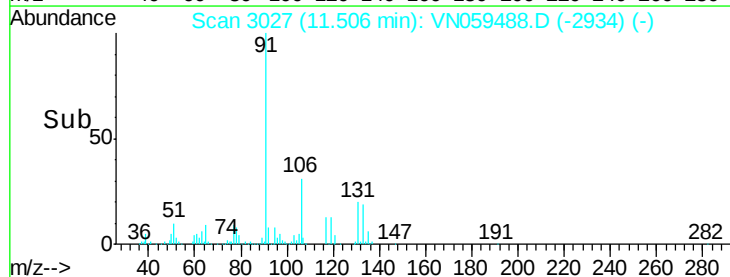
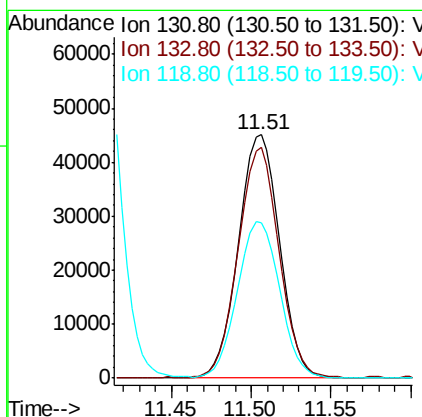
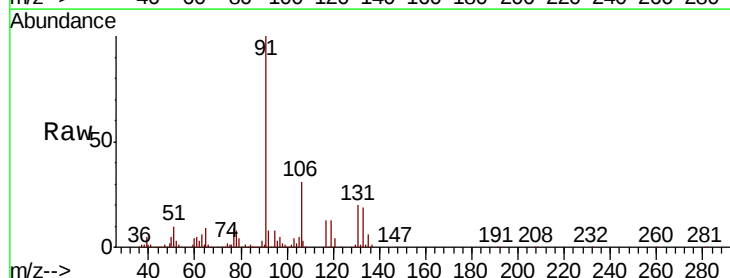
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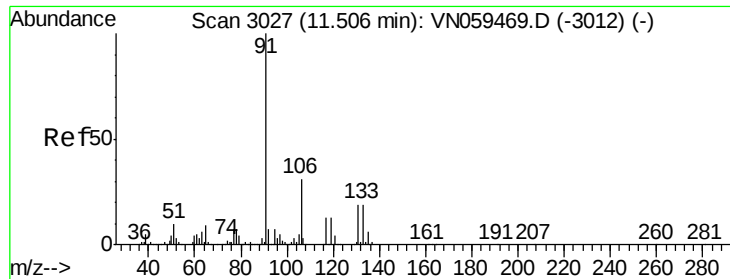
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.884 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	48.0	144.0
119	66.3	33.9	101.6





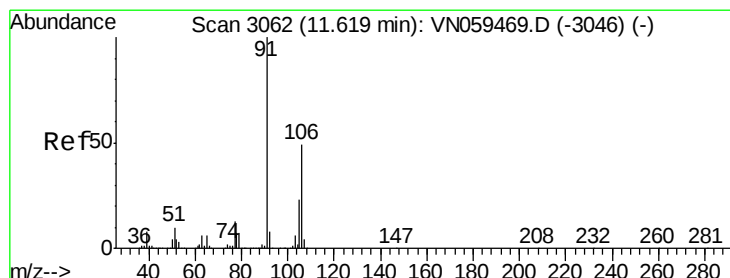
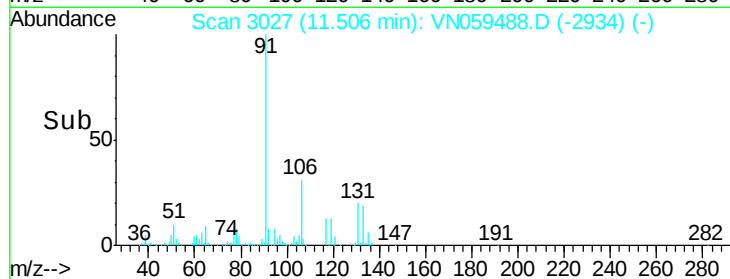
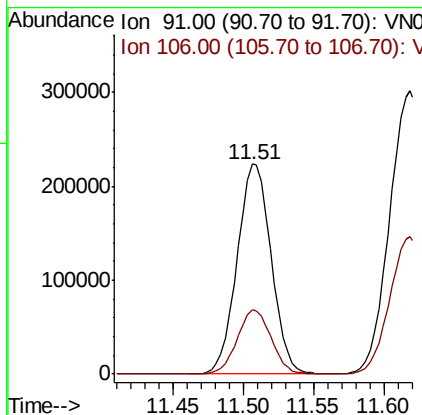
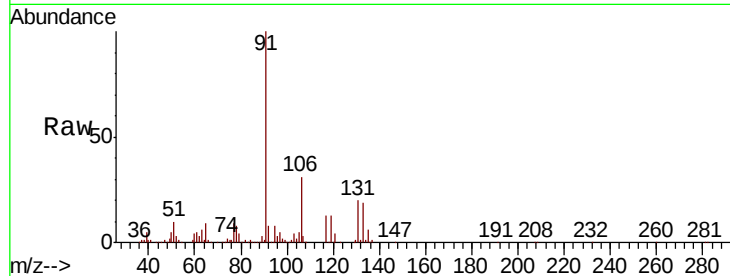
#67
Ethyl Benzene
Concen: 20.569 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VN1204WBSD01

Tot Ion: 91 Resp: 379661
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1

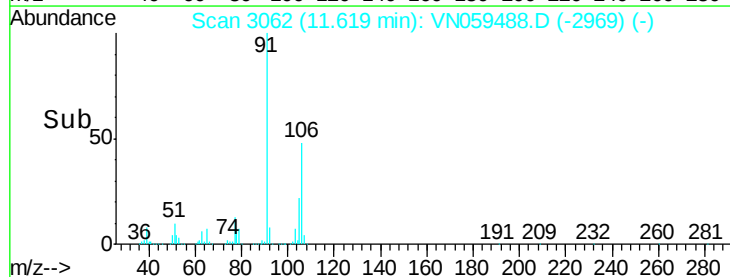
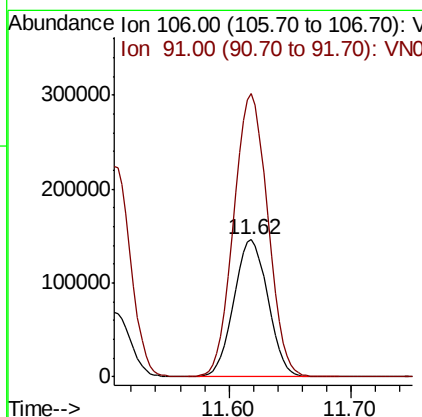
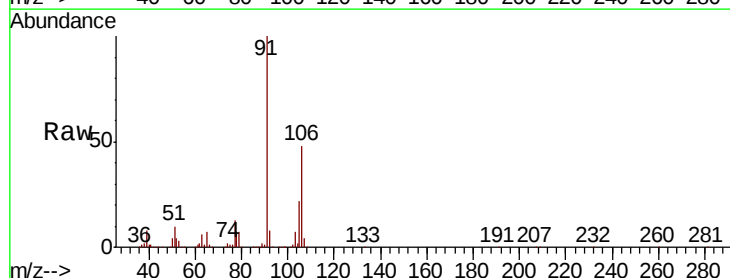
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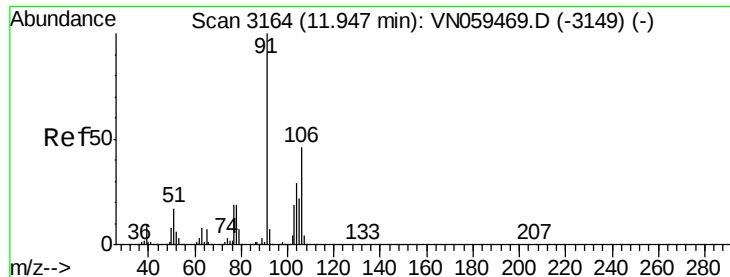
apatel
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#68
m/p-Xylenes
Concen: 41.290 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion: 106 Resp: 283780
Ion Ratio Lower Upper
106 100
91 206.4 162.2 243.4





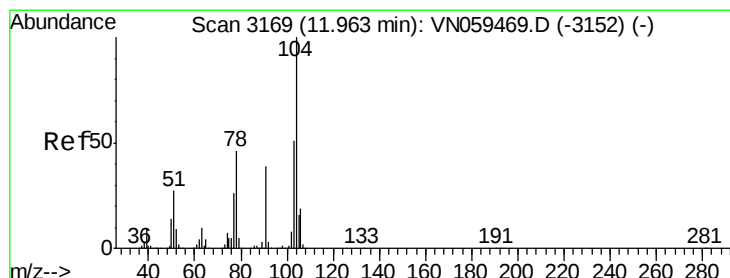
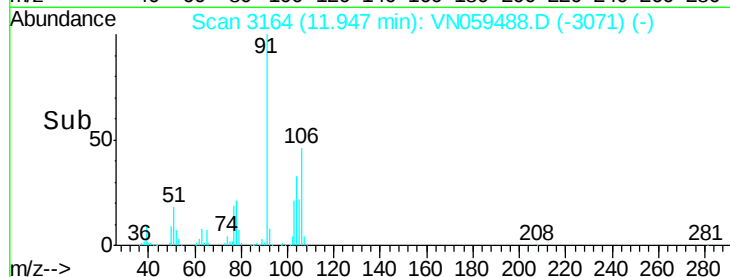
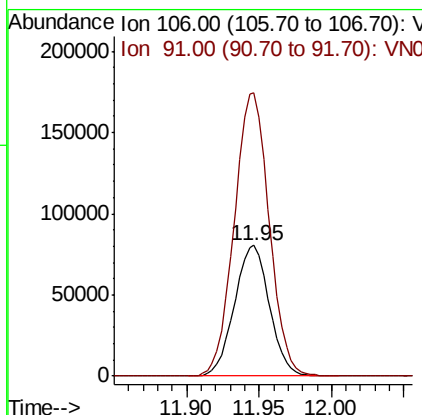
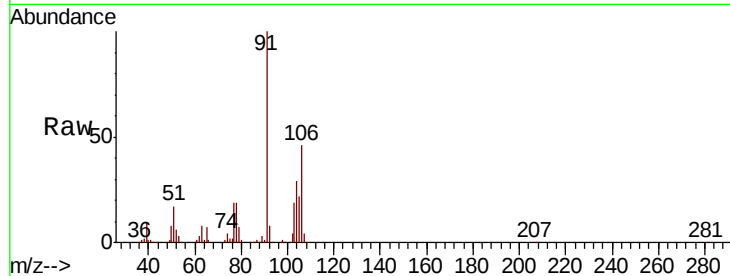
#69
o-Xylene
Concen: 20.532 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	217.1	108.5	325.3

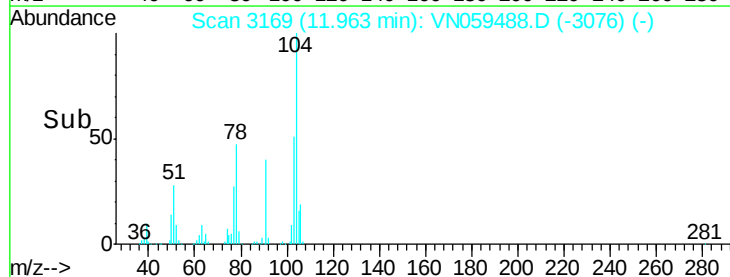
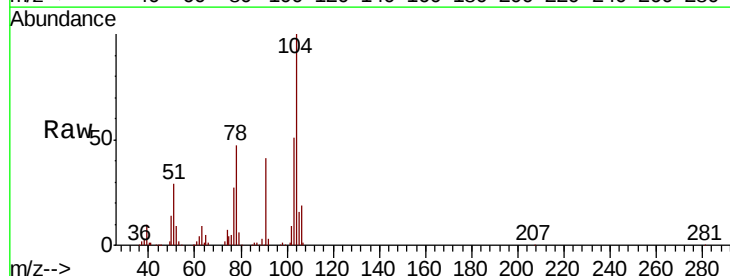
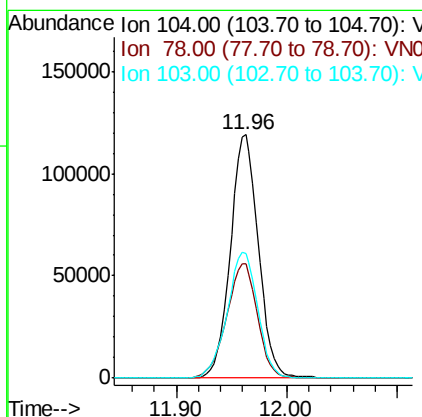
Manual Integrations
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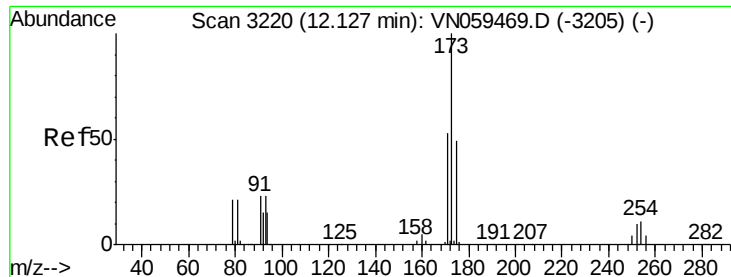
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#70
Styrene
Concen: 20.078 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.9	41.0	61.4
103	103	56.5	44.7	67.1





#71

Bromoform

Concen: 20.081 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

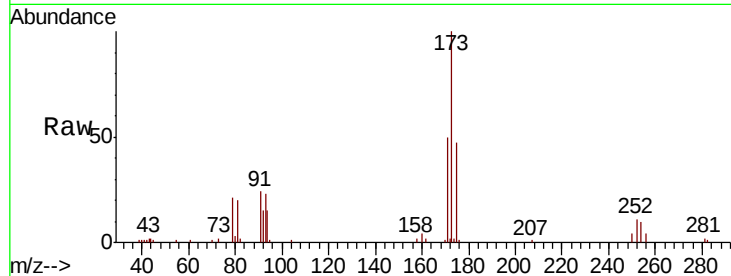
ClientSampleId :

VN1204WBSD01

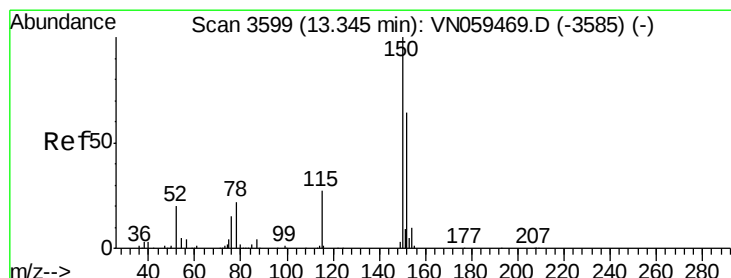
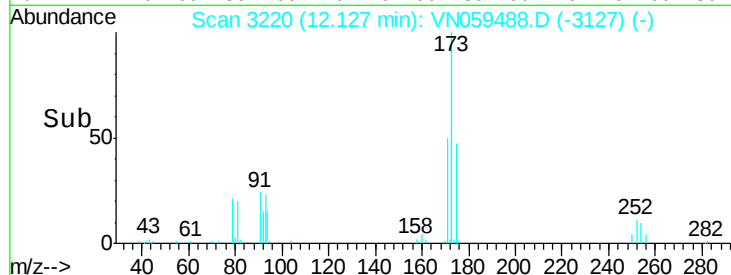
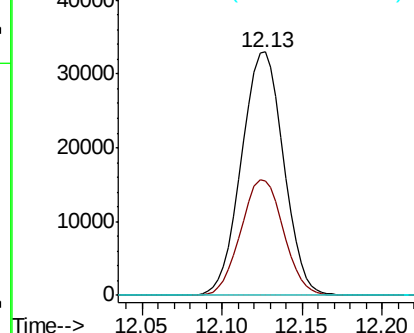
Tot Ion:	173	Resp:	59252
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.3	73.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

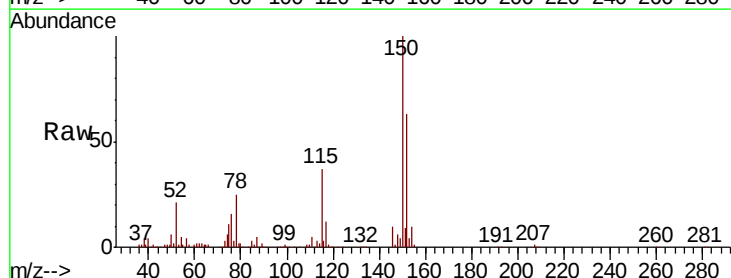
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

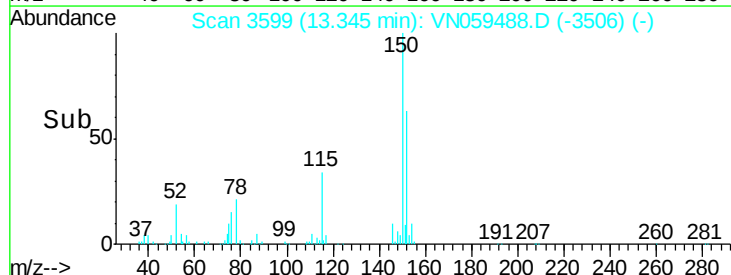
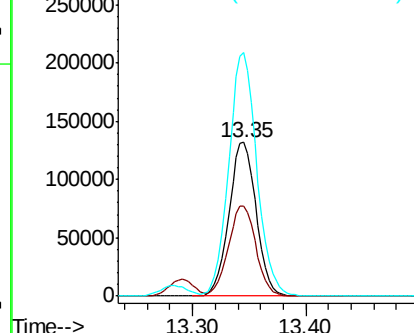
Lab File: VN059488.D

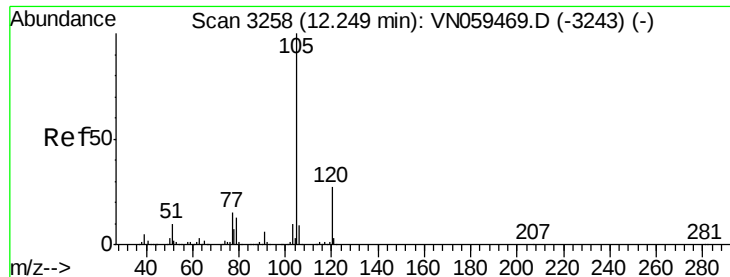
Acq: 4 Dec 2019 16:10

Tgt Ion:	152	Resp:	220260
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.2	87.6
150	163.0	0.0	352.8



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





#73

Isopropylbenzene

Concen: 20.458 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 105 Resp: 361366

Ion Ratio Lower Upper

105 100

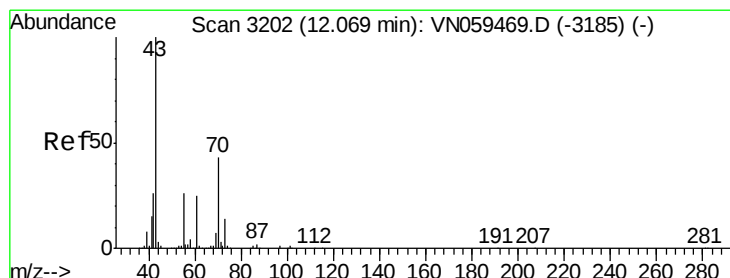
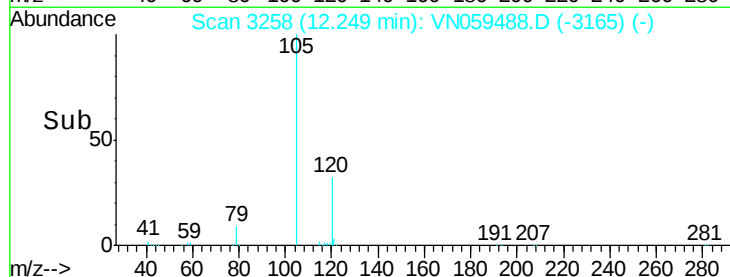
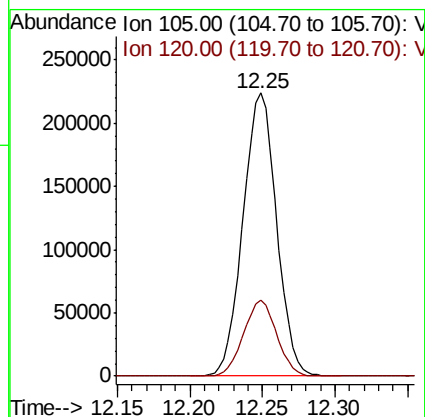
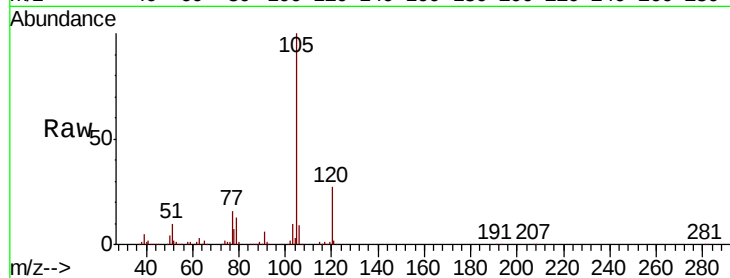
120 26.5 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.015 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion: 43 Resp: 142403

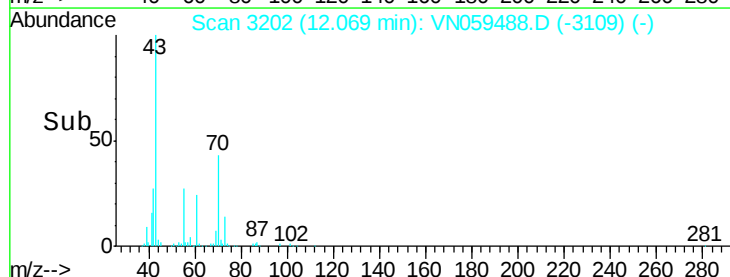
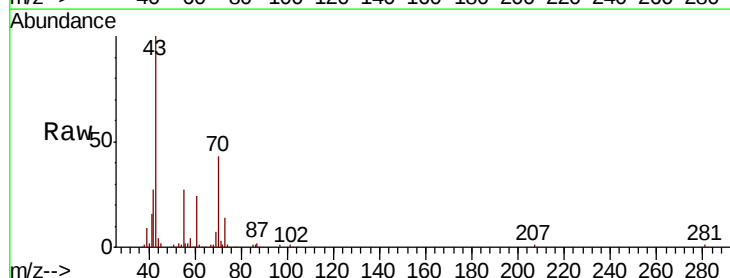
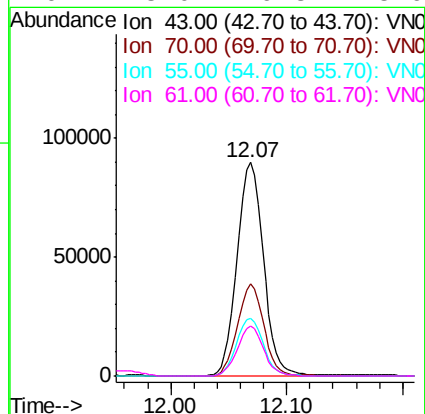
Ion Ratio Lower Upper

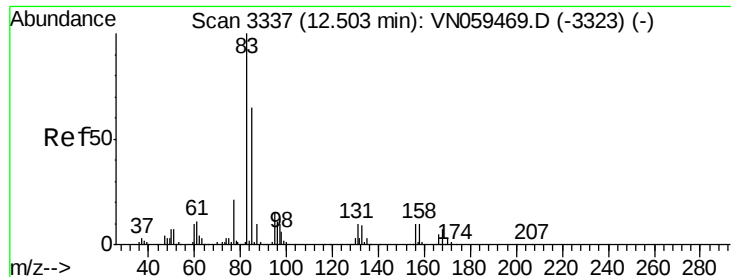
43 100

70 42.6 34.2 51.2

55 27.4 20.6 31.0

61 23.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.078 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

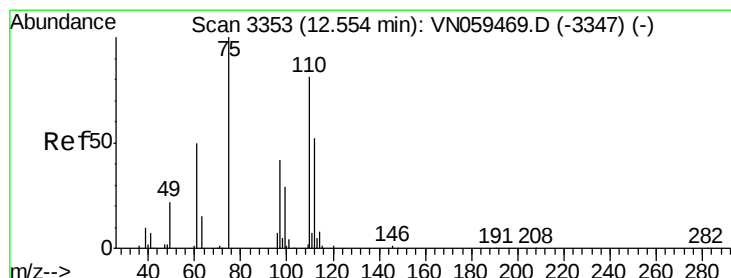
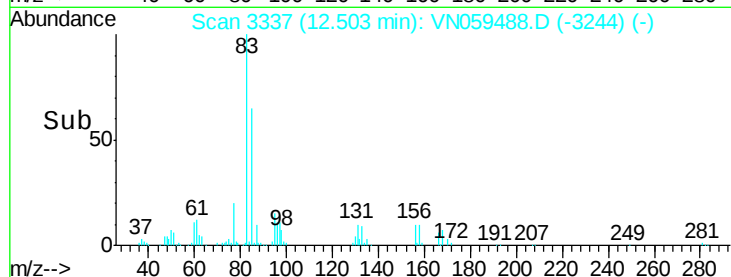
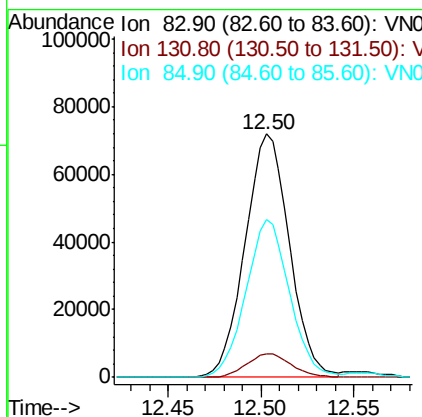
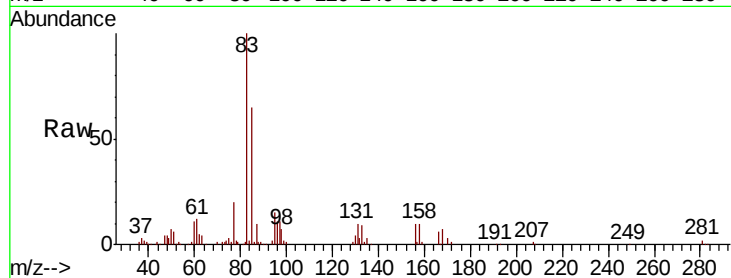
ClientSampleId :

VN1204WBSD01

Tot Ion:	83	Resp:	119429
Ion Ratio		Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.6	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 19.153 ug/l m

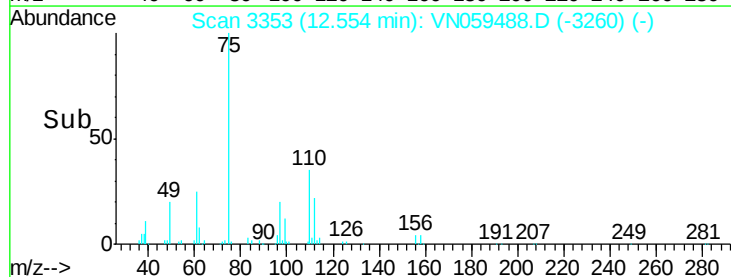
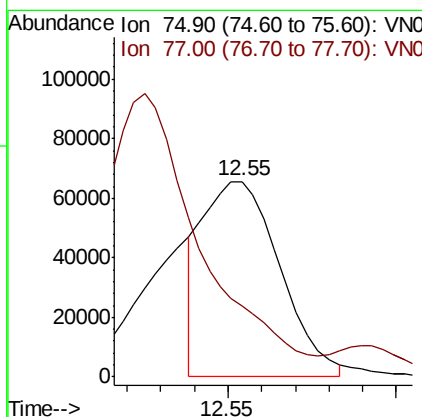
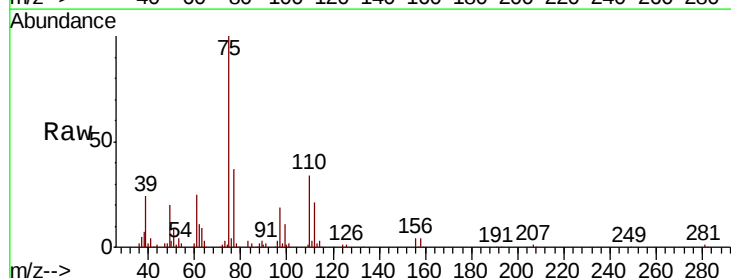
RT: 12.55 min Scan# 3353

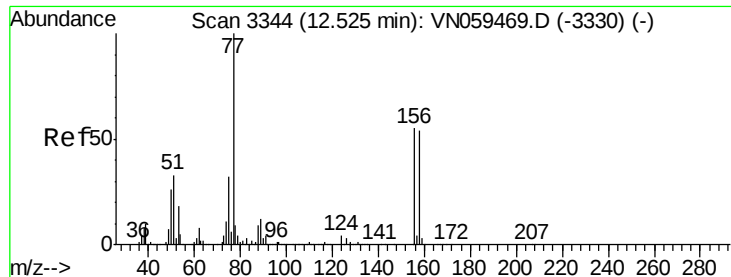
Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion:	75	Resp:	104894
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.697 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion:156 Resp: 86946

Ion Ratio Lower Upper

156 100

77 226.0 110.3 331.0

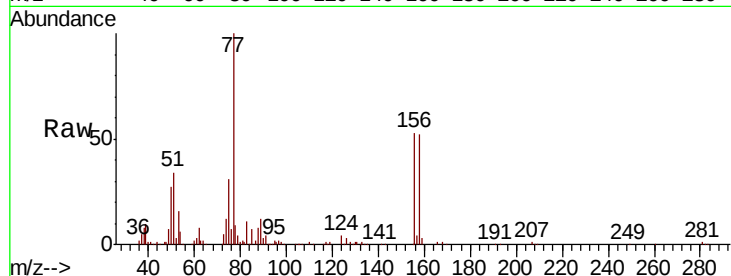
158 97.9 48.5 145.5

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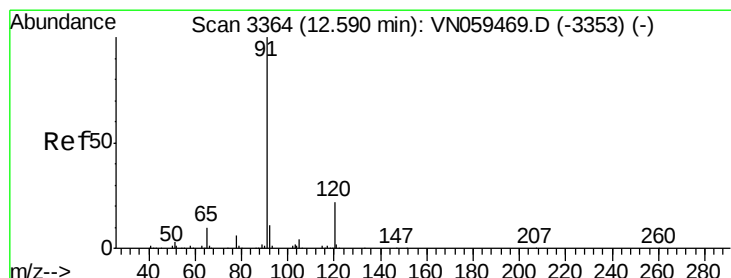
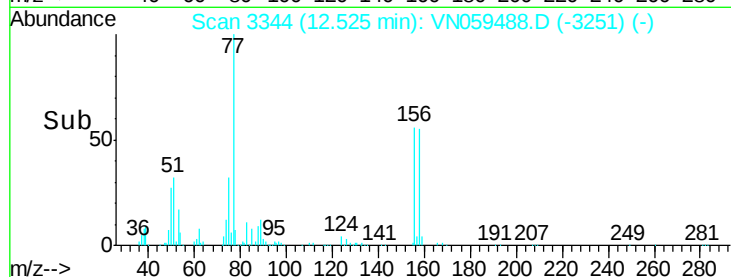
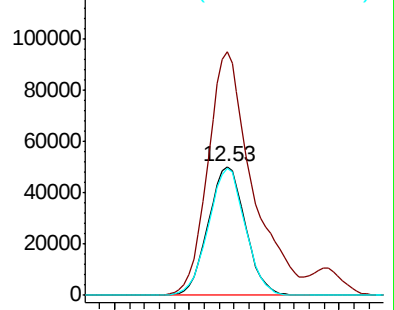
12/5/2019 11:19:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.291 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059488.D

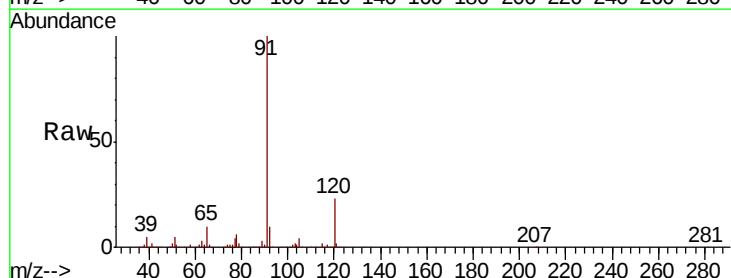
Acq: 4 Dec 2019 16:10

Tgt Ion: 91 Resp: 417112

Ion Ratio Lower Upper

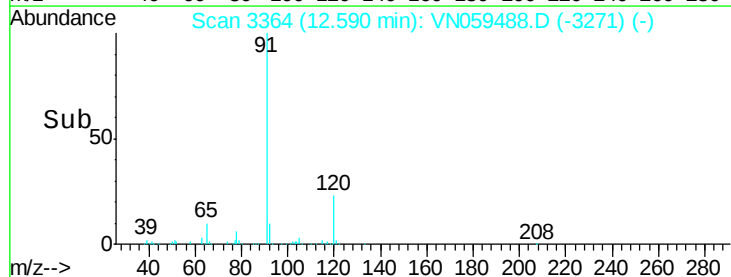
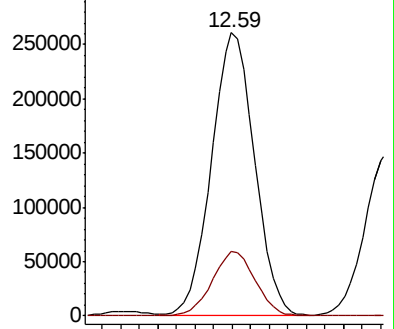
91 100

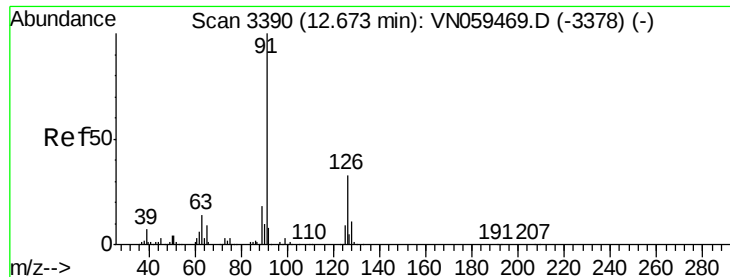
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.046 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion: 91 Resp: 248400

Ion Ratio Lower Upper

91 100

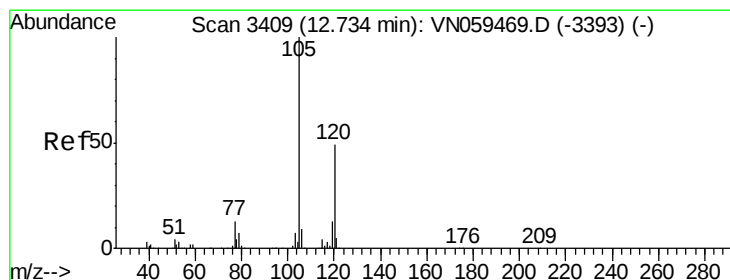
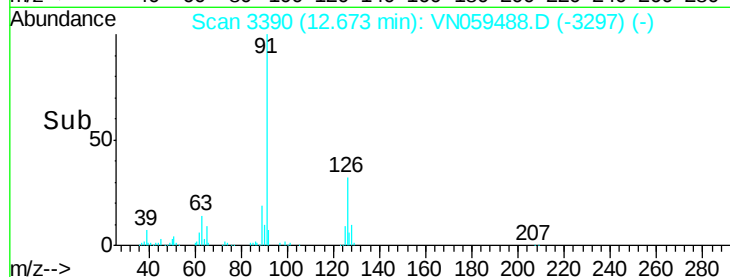
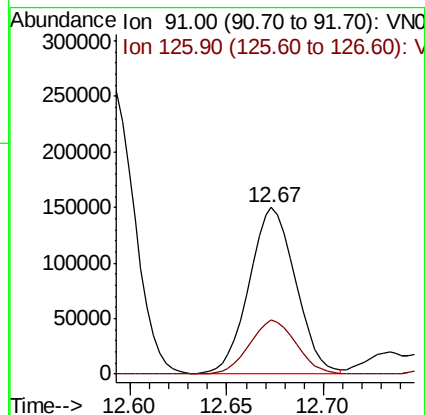
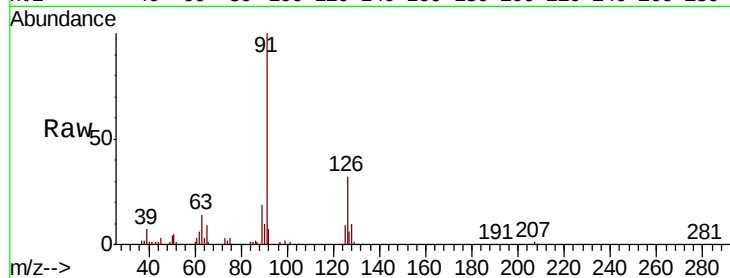
126 33.1 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.723 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059488.D

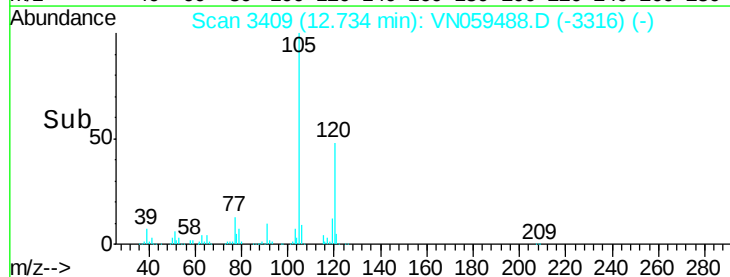
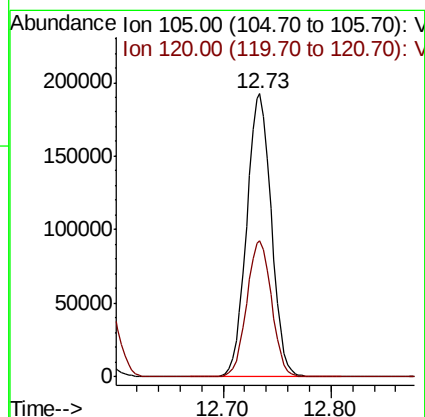
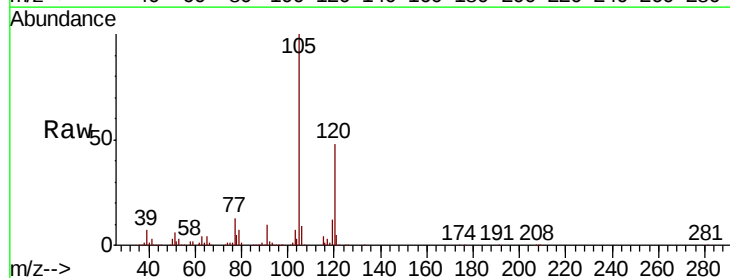
Acq: 4 Dec 2019 16:10

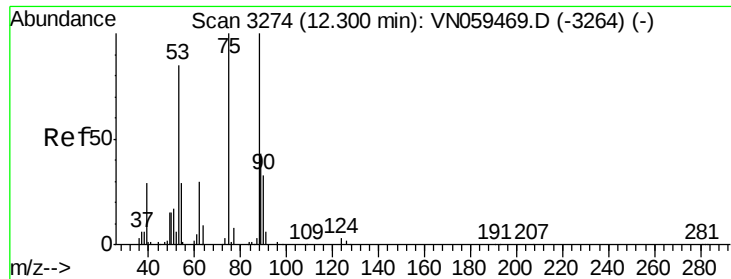
Tgt Ion: 105 Resp: 305902

Ion Ratio Lower Upper

105 100

120 48.4 24.3 73.0





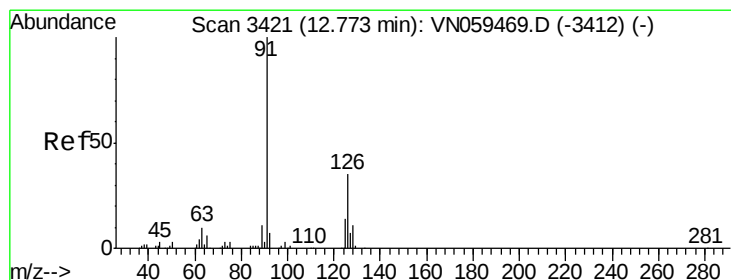
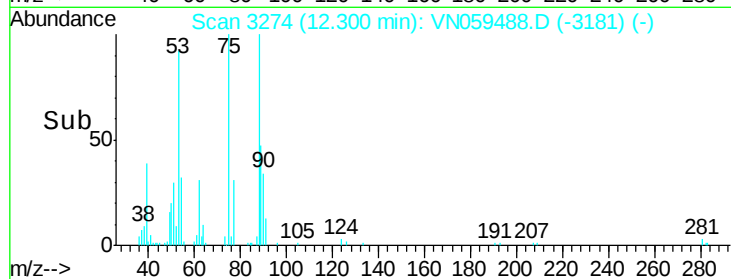
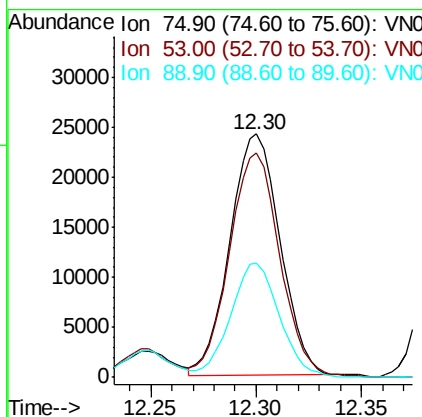
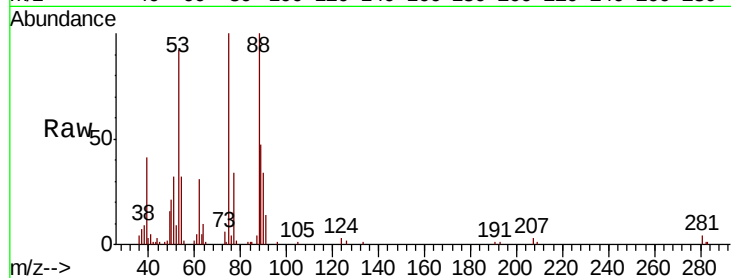
#81
trans-1,4-Dichloro-2-butene
Concen: 19.192 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	69.8	104.6
89	45.8	35.2	52.8

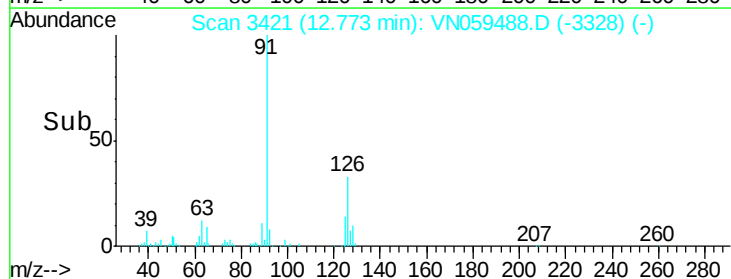
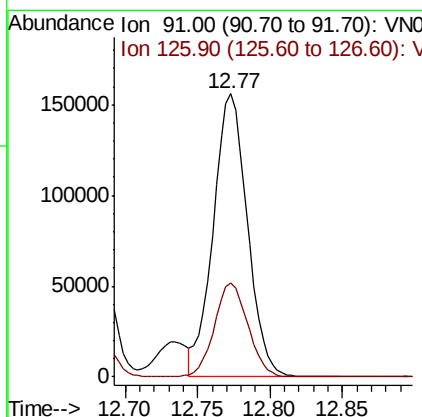
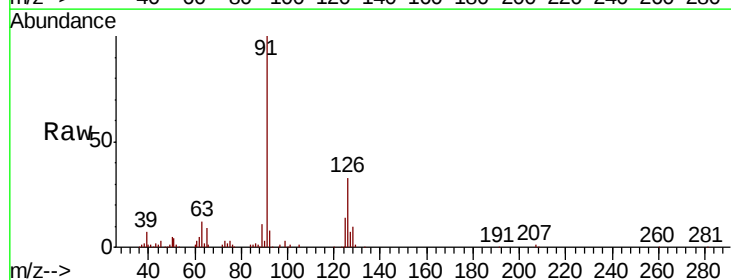
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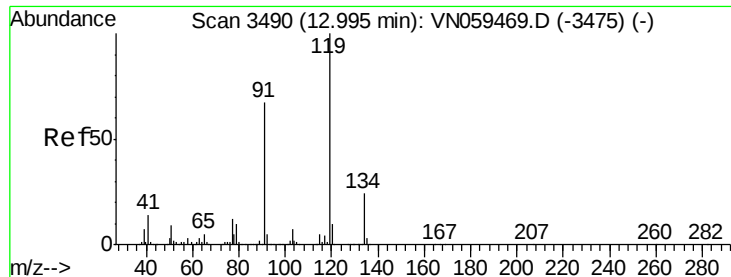
apatel
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#82
4-Chlorotoluene
Concen: 19.883 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2





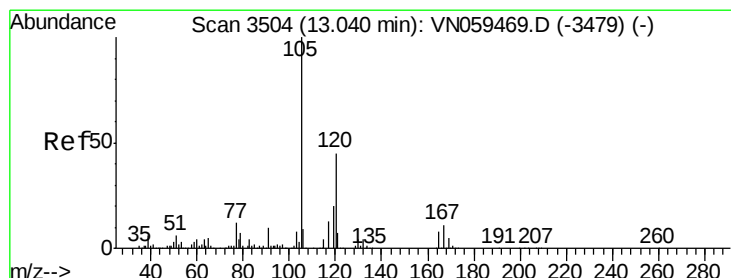
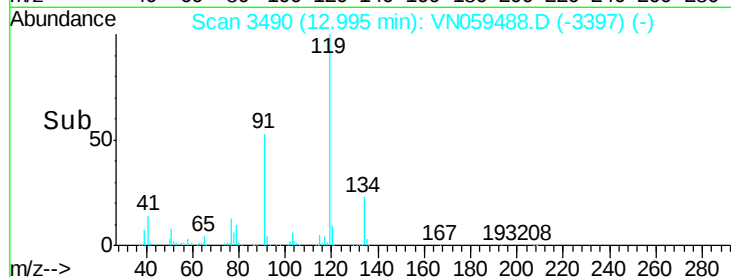
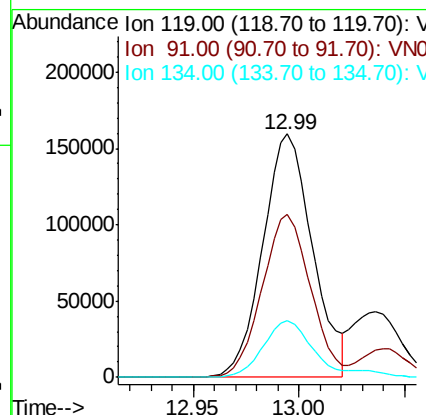
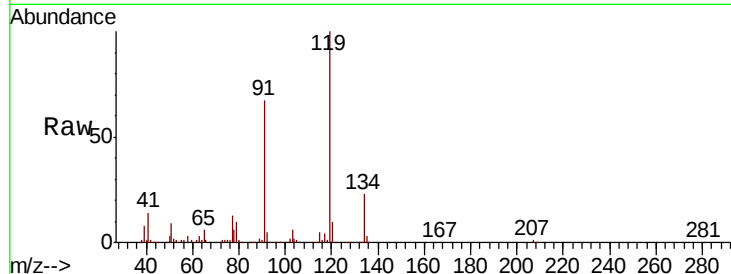
#83
 tert-Butylbenzene
 Concen: 20.429 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	261816		
91	65.4	32.6	97.7	
134	24.8	12.6	37.6	

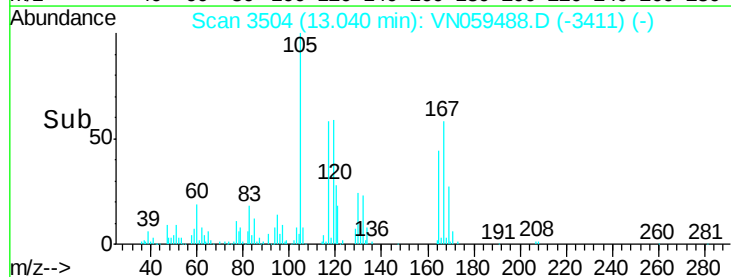
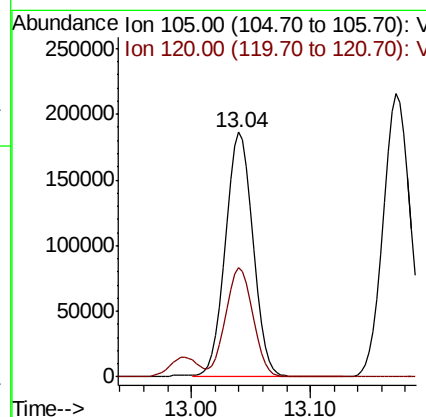
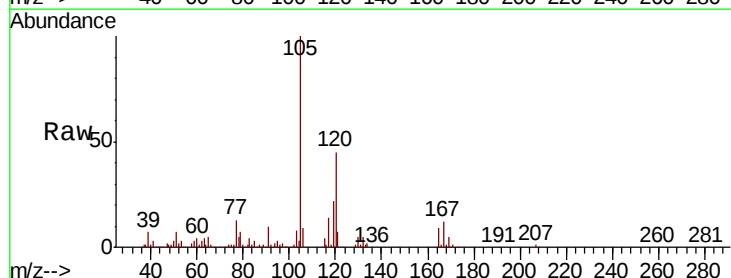
Manual Integrations
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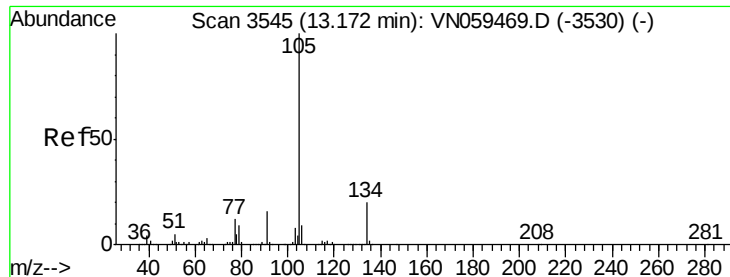
apatel
 12/5/2019 11:19:23 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.666 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298133		
120	44.6	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.298 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tot Ion:105 Resp: 344776

Ion Ratio Lower Upper

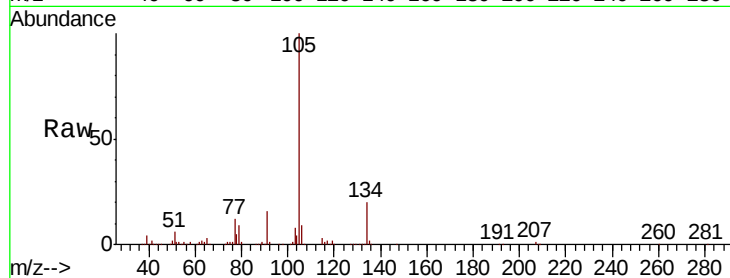
105 100

134 19.8 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

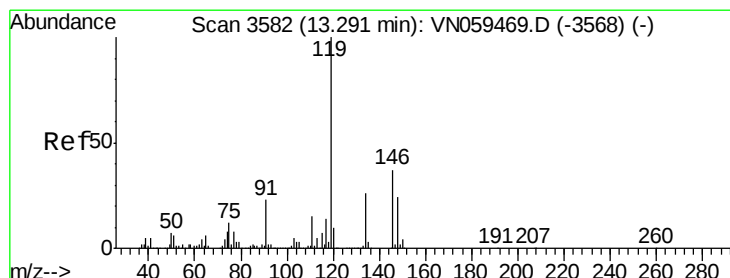
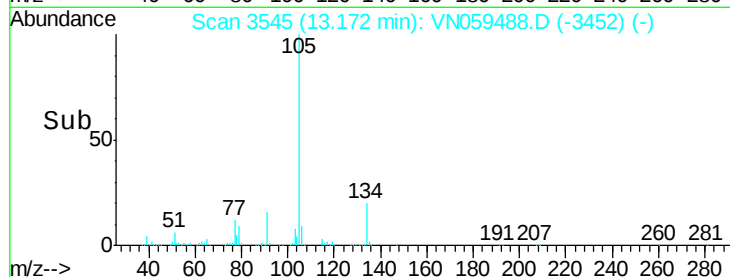
50000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 20.326 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

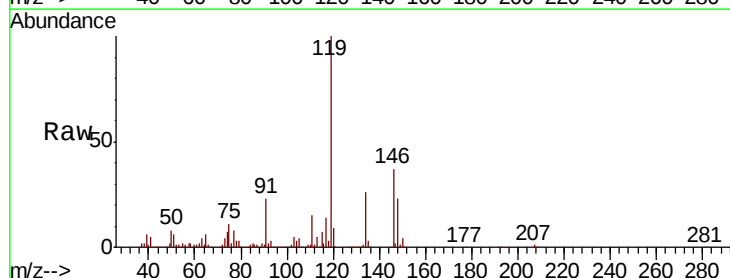
Tgt Ion:119 Resp: 309390

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 23.4 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

250000

200000

150000

100000

50000

0

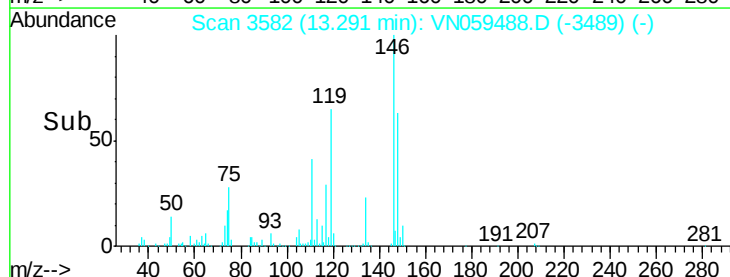
13.20

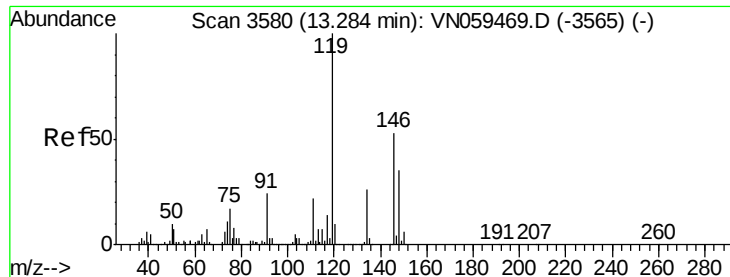
13.25

13.30

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.599 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059488.D

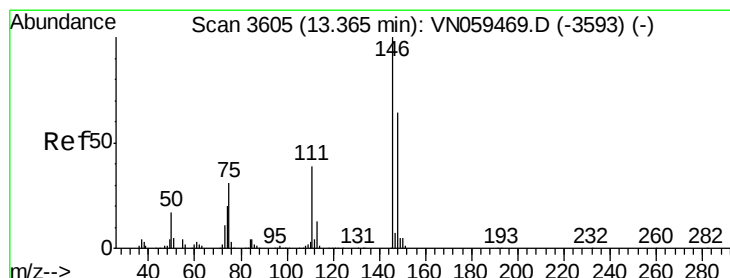
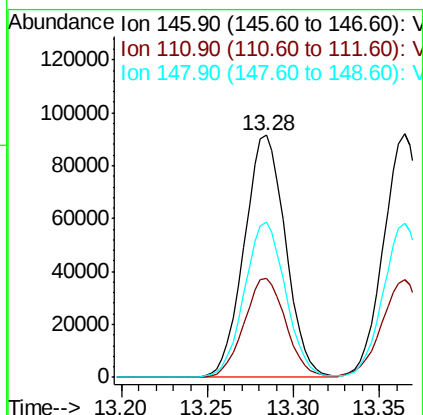
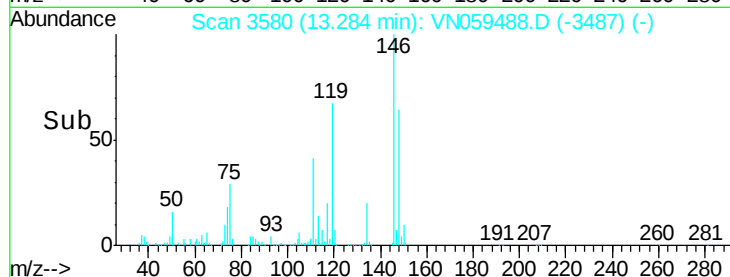
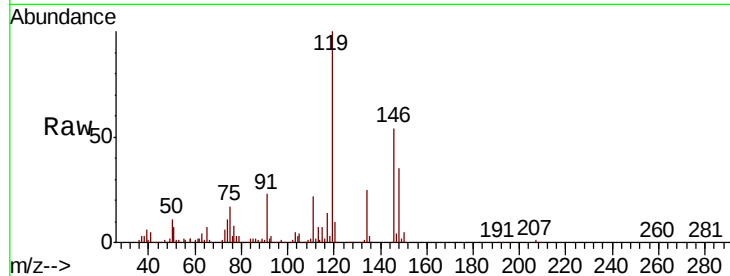
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.9	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.260 ug/l

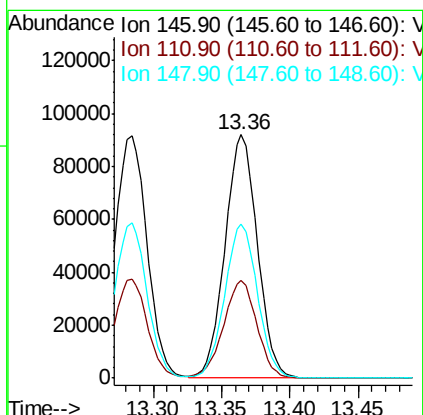
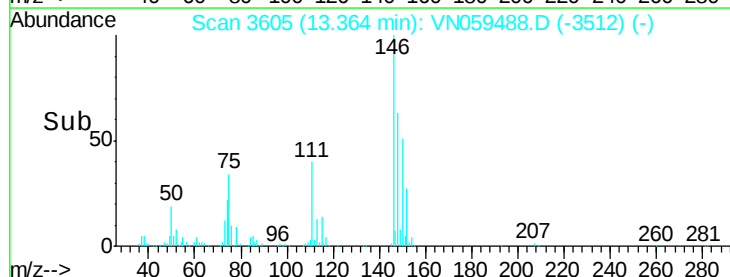
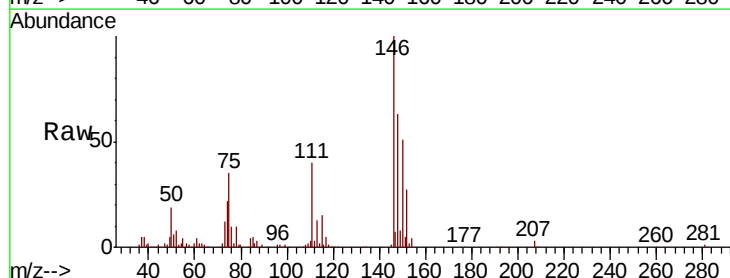
RT: 13.36 min Scan# 3605

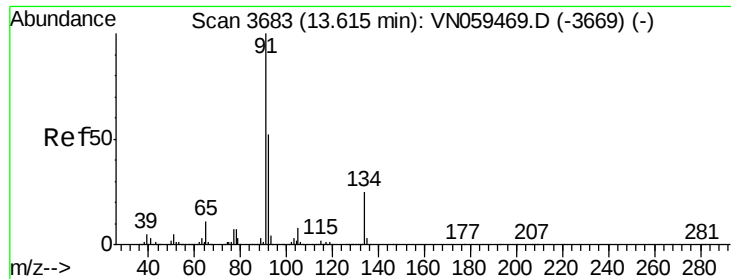
Delta R.T. -0.00 min

Lab File: VN059488.D

Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.8	59.3
148	64.0	32.0	96.0





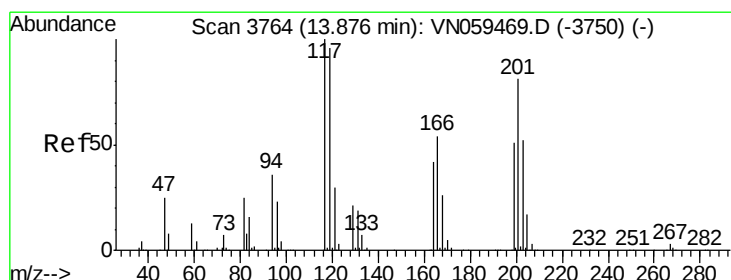
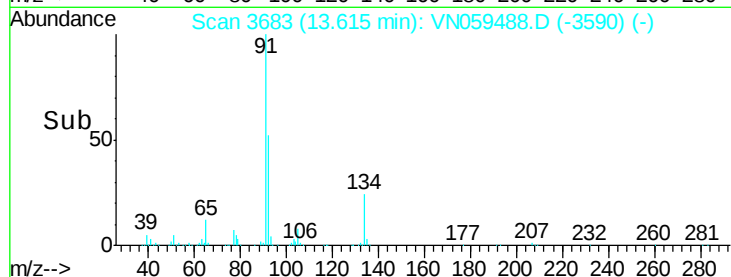
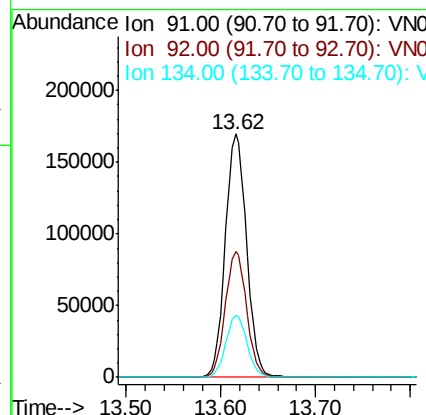
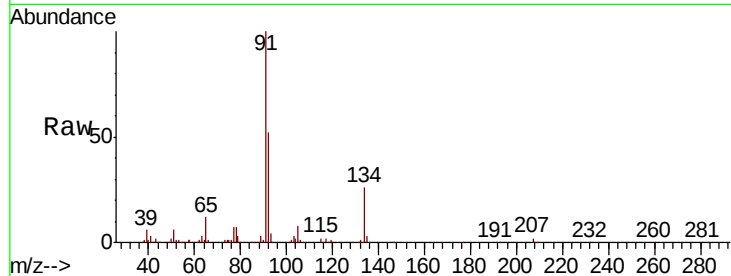
#89
n-Butylbenzene
Concen: 19.476 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.8
134	25.5	12.6	37.6

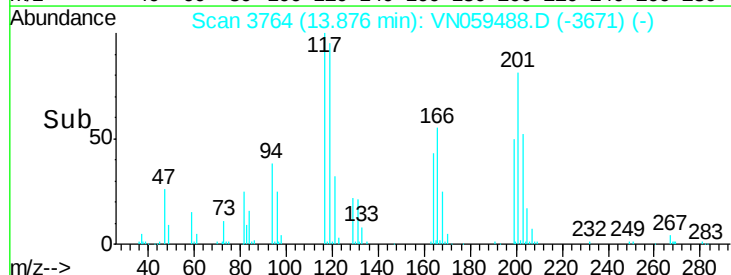
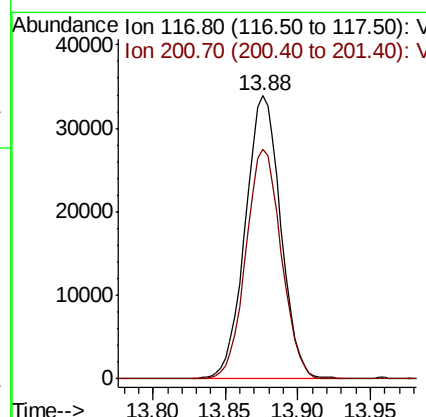
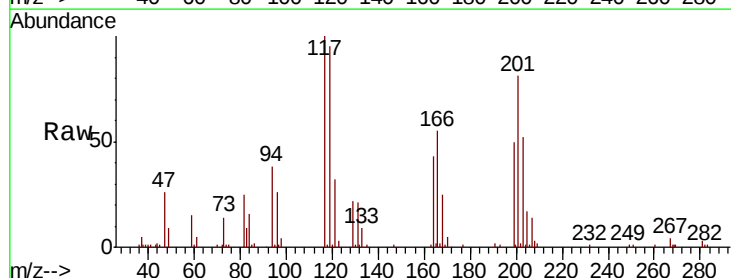
Manual Integrations
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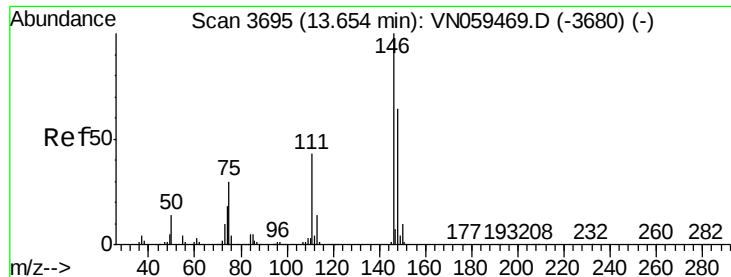
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#90
Hexachloroethane
Concen: 19.633 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.6	122.0





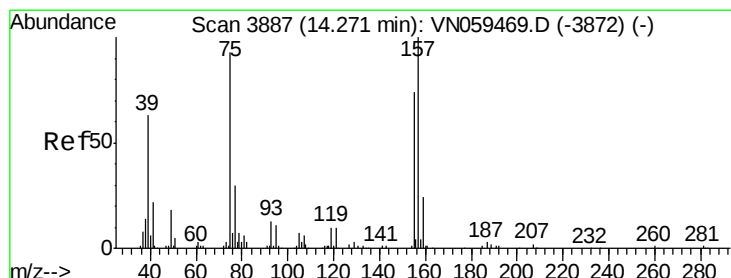
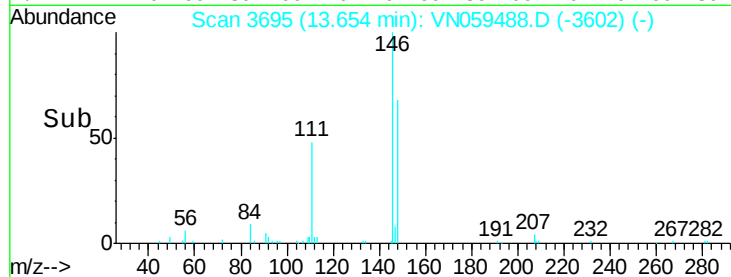
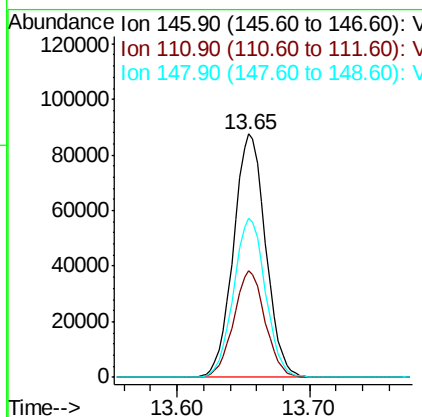
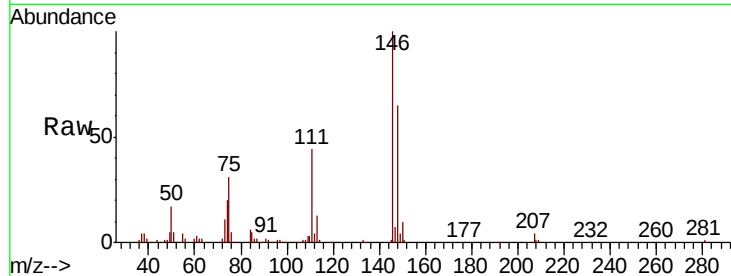
#91
 1,2-Dichlorobenzene
 Concen: 19.805 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	64.7	32.2	96.6

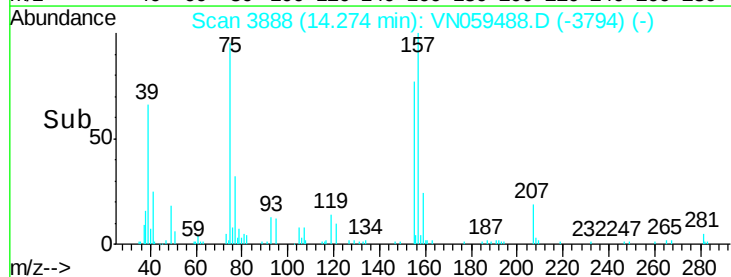
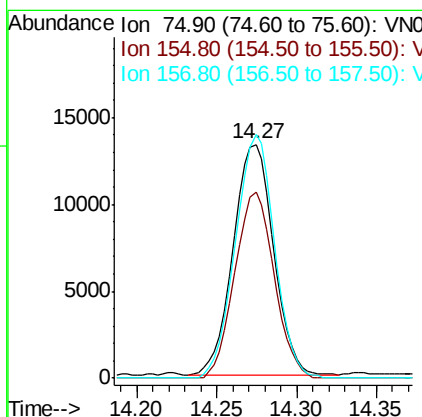
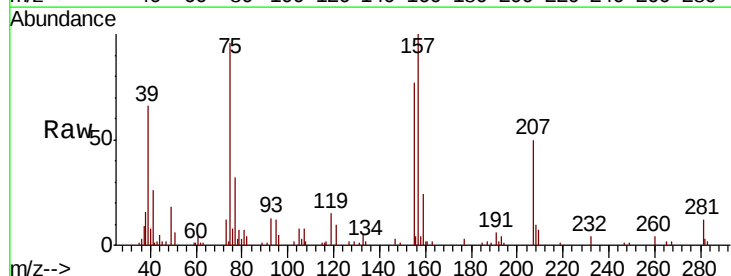
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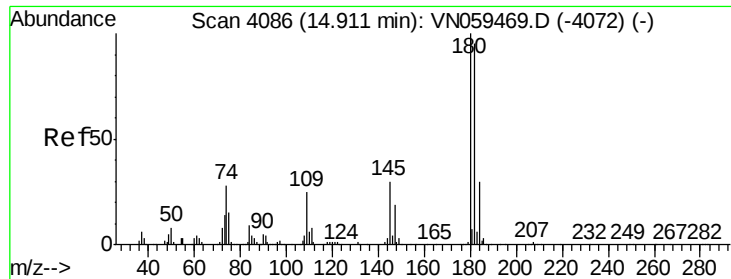
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.350 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.6	122.0
157	102.7	52.9	158.7





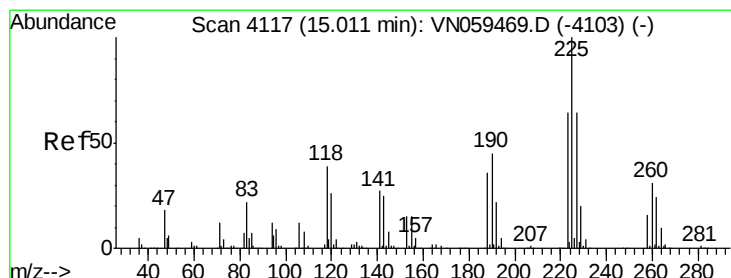
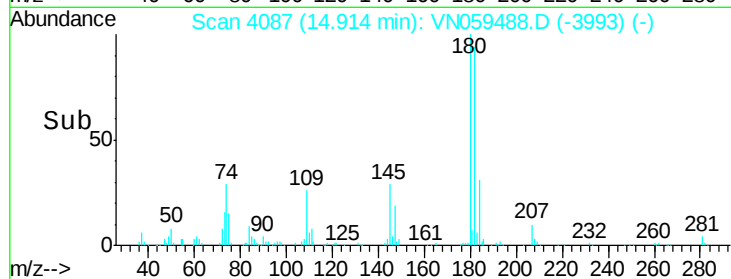
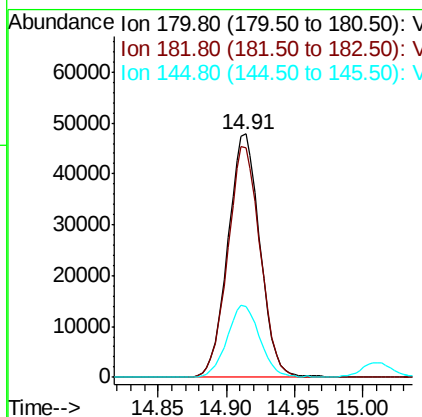
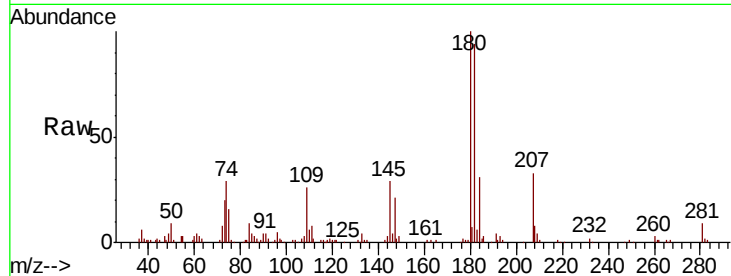
#93
 1,2,4-Trichlorobenzene
 Concen: 17.154 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78132		
182	95.5	48.0	144.2	
145	30.3	15.2	45.6	

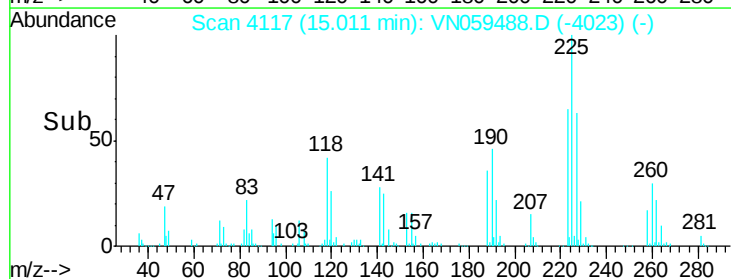
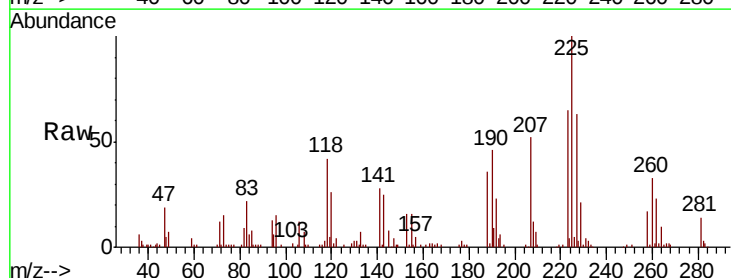
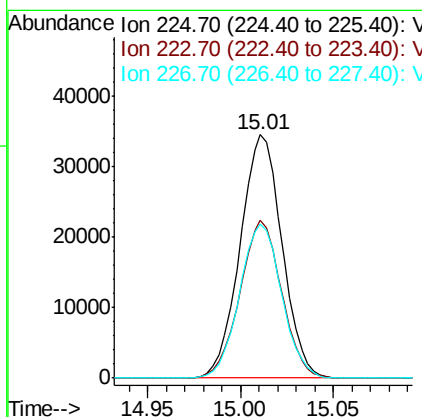
Manual Integrations
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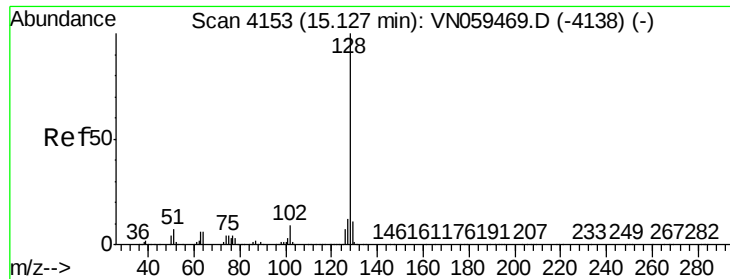
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#94
 Hexachlorobutadiene
 Concen: 20.230 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059488.D
 Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54253		
223	64.3	31.9	95.5	
227	63.5	32.0	96.2	





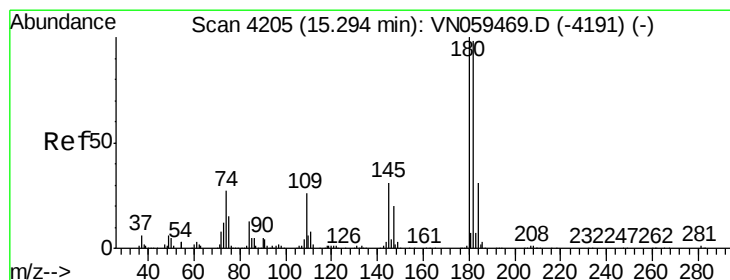
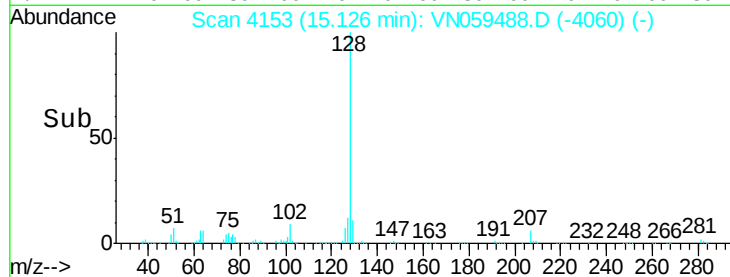
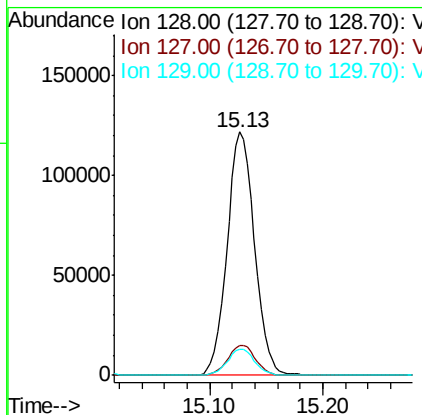
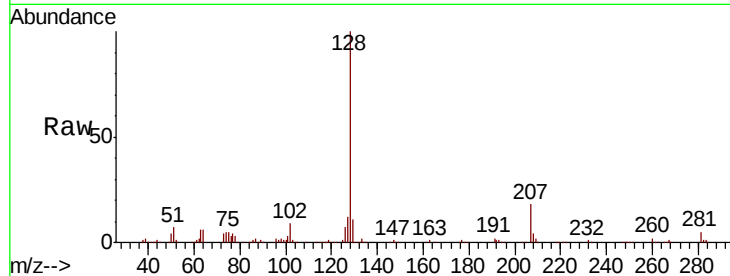
#95
Naphthalene
Concen: 17.986 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.197 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059488.D
Acq: 4 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.5
145	32.1	16.1	48.2

