

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059420.D
 Acq On : 27 Nov 2019 13:23
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 12/2/2019 10:08:47 AM

Quant Time: Nov 27 16:41:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	357495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	561588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	502173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	82258	19.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.28%	
35) Dibromofluoromethane	7.57	113	65588	19.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.34%	
50) Toluene-d8	10.08	98	261434	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	
62) 4-Bromofluorobenzene	12.40	95	90218	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	93678	22.264	ug/l	99
3) Chloromethane	2.04	50	112470	21.883	ug/l	100
4) Vinyl Chloride	2.17	62	105746	21.411	ug/l	99
5) Bromomethane	2.55	94	61236	20.593	ug/l	97
6) Chloroethane	2.69	64	59417	21.456	ug/l	99
7) Trichlorofluoromethane	3.00	101	125674	21.363	ug/l	96
8) Diethyl Ether	3.39	74	49288	20.586	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75083	20.723	ug/l	99
10) Methyl Iodide	3.93	142	97669	20.711	ug/l	99
11) Tert butyl alcohol	4.75	59	75211	103.674	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	75301	21.222	ug/l	99
13) Acrolein	3.58	56	65479	92.463	ug/l	99
14) Allyl chloride	4.30	41	138461	21.040	ug/l	99
15) Acrylonitrile	4.95	53	221136	109.393	ug/l	100
16) Acetone	3.79	43	218426	109.486	ug/l	99
17) Carbon Disulfide	4.03	76	245855	20.191	ug/l	100
18) Methyl Acetate	4.30	43	112564	20.719	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	244497	21.383	ug/l	98
20) Methylene Chloride	4.52	84	85810	21.168	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	82010	21.214	ug/l	98
22) Diisopropyl ether	5.92	45	263307	21.531	ug/l	96
23) Vinyl Acetate	5.87	43	1091611	110.643	ug/l	99
24) 1,1-Dichloroethane	5.82	63	151678	21.557	ug/l	99
25) 2-Butanone	6.81	43	301268	109.771	ug/l	100
26) 2,2-Dichloropropane	6.80	77	127474	21.288	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	89793	21.237	ug/l	99
28) Bromochloromethane	7.17	49	60152	24.742	ug/l	100
29) Tetrahydrofuran	7.19	42	198761	108.891	ug/l	99
30) Chloroform	7.35	83	145311	20.523	ug/l	100
31) Cyclohexane	7.63	56	144449	20.479	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	123651	21.355	ug/l	100
36) 1,1-Dichloropropene	7.77	75	111826	20.707	ug/l	99
37) Ethyl Acetate	6.90	43	121496	21.264	ug/l	100
38) Carbon Tetrachloride	7.75	117	107577	21.107	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134110	20.757	ug/l	99
40) Benzene	8.02	78	338487	21.109	ug/l	99
41) Methacrylonitrile	7.16	41	56924m	21.100	ug/l	
42) 1,2-Dichloroethane	8.11	62	108278	21.296	ug/l	99
43) Isopropyl Acetate	8.15	43	185405	21.360	ug/l	99
44) Trichloroethene	8.82	130	86072	21.052	ug/l	100
45) 1,2-Dichloropropane	9.10	63	89071	21.237	ug/l	99
46) Dibromomethane	9.19	93	55143	21.305	ug/l	99
47) Bromodichloromethane	9.39	83	109841	20.982	ug/l	99
48) Methyl methacrylate	9.19	41	80572	20.922	ug/l	99
49) 1,4-Dioxane	9.19	88	22846	406.193	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	571853	113.579	ug/l	99
52) Toluene	10.15	92	199880	20.865	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	126933	21.102	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	137896	21.236	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	80980	21.597	ug/l	98
56) Ethyl methacrylate	10.42	69	116164	21.239	ug/l	98
57) 1,3-Dichloropropane	10.70	76	137911	21.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	199392	124.110	ug/l	99
59) 2-Hexanone	10.75	43	419583	112.385	ug/l	99
60) Dibromochloromethane	10.90	129	83524	21.340	ug/l	100
61) 1,2-Dibromoethane	11.00	107	81649	21.250	ug/l	100
64) Tetrachloroethene	10.63	164	75810	20.410	ug/l	98
65) Chlorobenzene	11.43	112	209385	20.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77357	20.983	ug/l	98
67) Ethyl Benzene	11.51	91	379678	21.262	ug/l	99
68) m/p-Xylenes	11.62	106	284612	42.690	ug/l	99
69) o-Xylene	11.95	106	134020	20.961	ug/l	98
70) Styrene	11.96	104	213073	21.257	ug/l	99
71) Bromoform	12.13	173	58970	21.007	ug/l #	98
73) Isopropylbenzene	12.25	105	360322	20.823	ug/l	99
74) N-amyl acetate	12.07	43	139382	21.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119604	21.195	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	107885m	19.994	ug/l	
77) Bromobenzene	12.53	156	87594	20.676	ug/l	98
78) n-propylbenzene	12.59	91	416699	20.897	ug/l	100
79) 2-Chlorotoluene	12.68	91	247181	20.734	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	306794	21.092	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41838	20.344	ug/l	98
82) 4-Chlorotoluene	12.78	91	250210	20.378	ug/l	99
83) tert-Butylbenzene	12.99	119	259234	20.756	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	299940	21.050	ug/l	100
85) sec-Butylbenzene	13.17	105	346778	20.908	ug/l	100
86) p-Isopropyltoluene	13.29	119	310162	20.685	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	154653	20.598	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	152722	20.261	ug/l	99
89) n-Butylbenzene	13.62	91	266094	20.301	ug/l	100
90) Hexachloroethane	13.88	117	57971	20.228	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	151544	20.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24401	19.041	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:27:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84611	18.502	ug/l	97
94) Hexachlorobutadiene	15.01	225	55996	19.981	ug/l	100
95) Naphthalene	15.13	128	222926	17.253	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	87002	17.861	ug/l	99

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

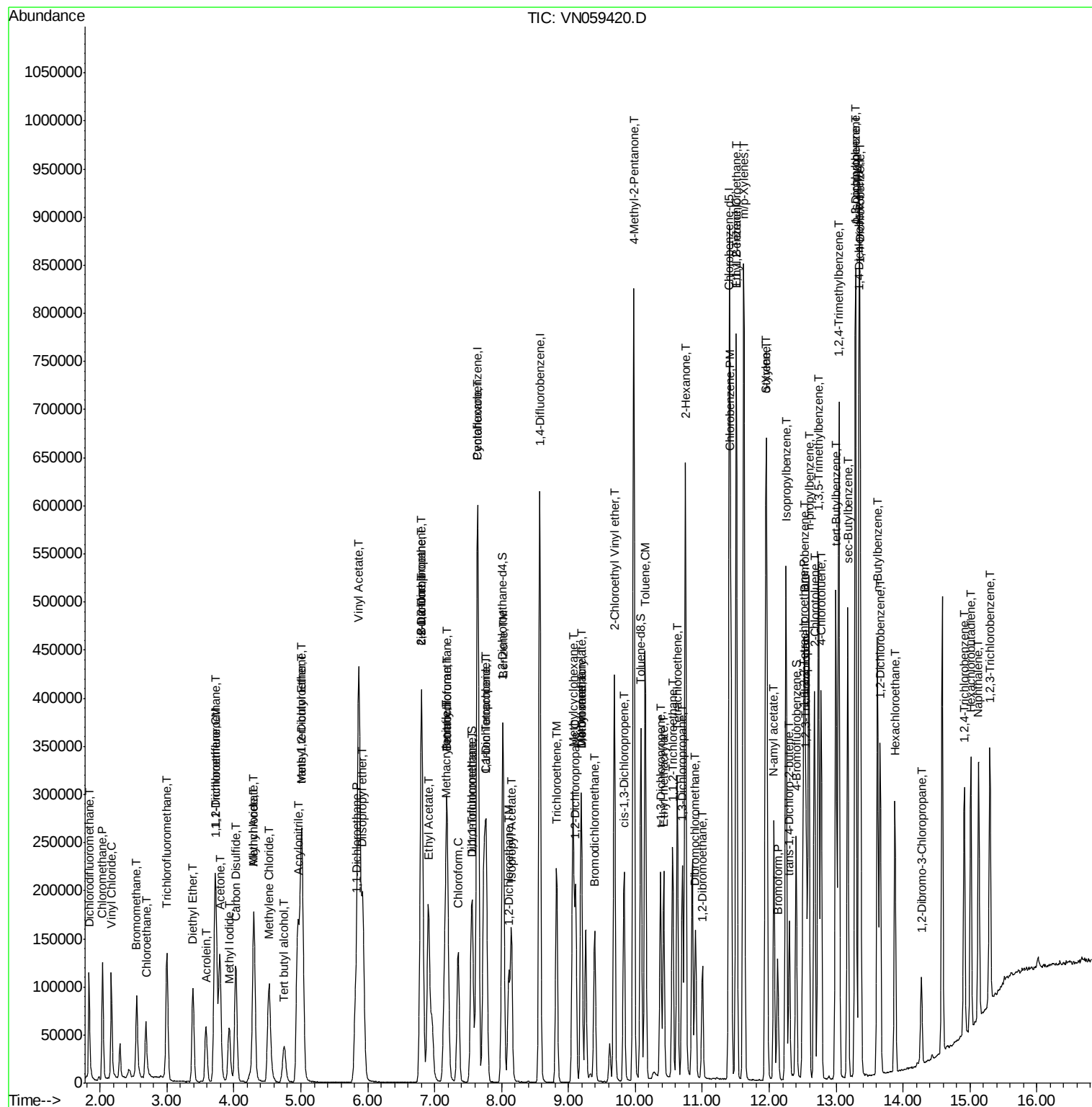
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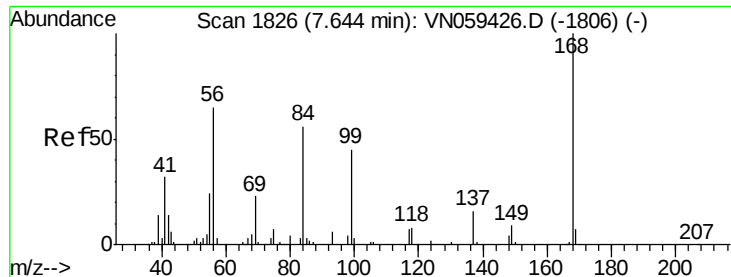
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 357495

Ion Ratio Lower Upper

168 100

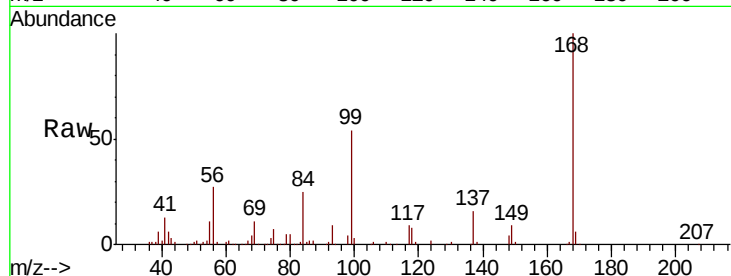
99 53.7 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

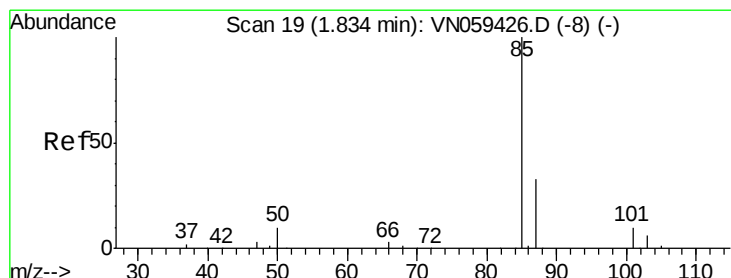
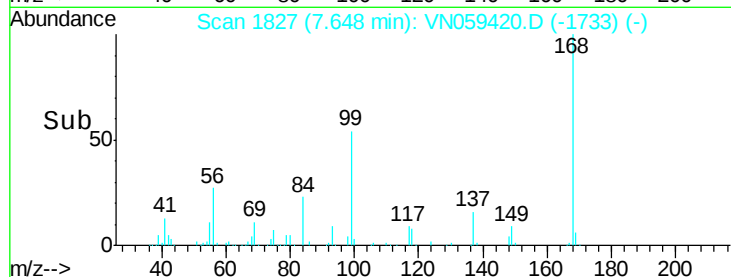
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 22.264 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059420.D

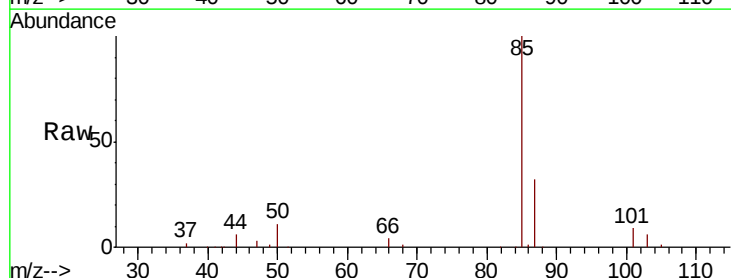
Acq: 27 Nov 2019 13:23

Tgt Ion: 85 Resp: 93678

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

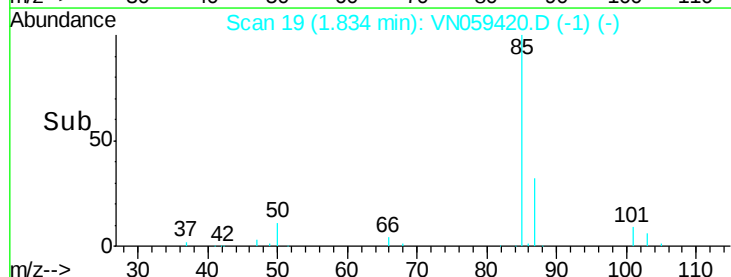
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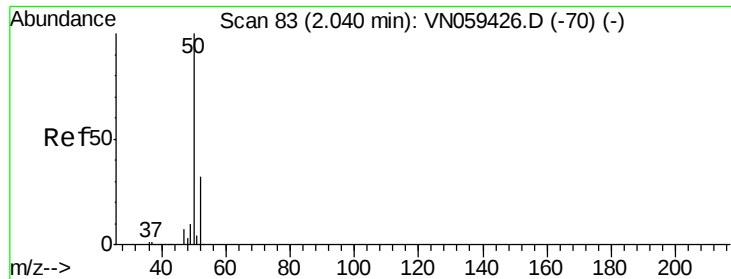
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.883 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 112470

Ion Ratio Lower Upper

50 100

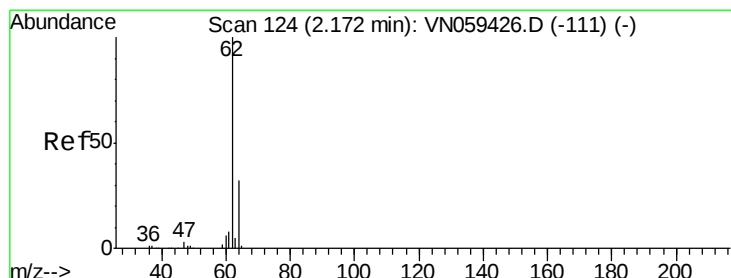
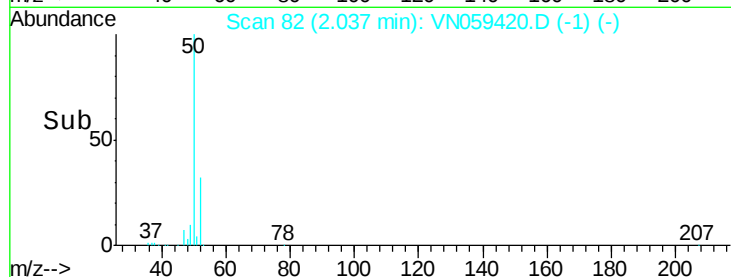
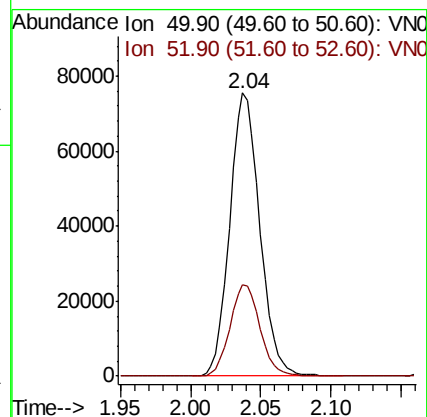
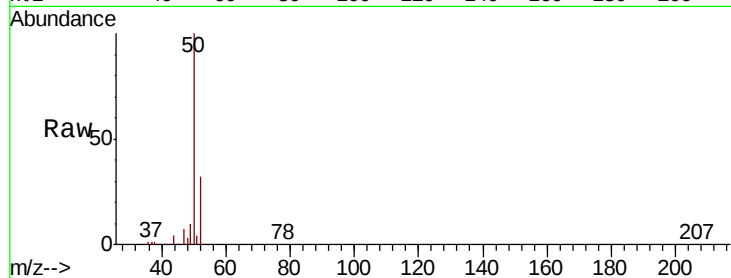
52 32.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.411 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059420.D

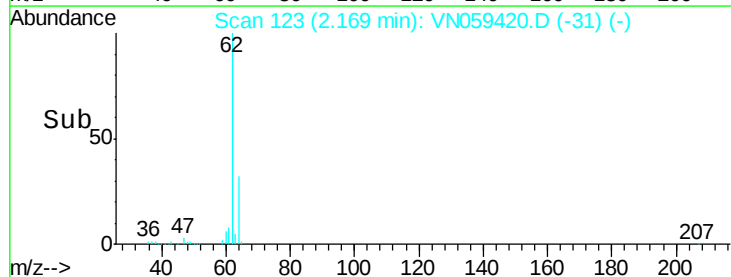
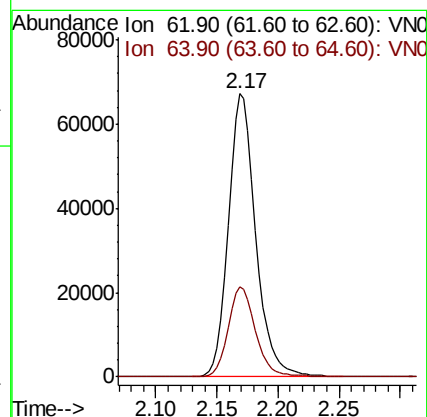
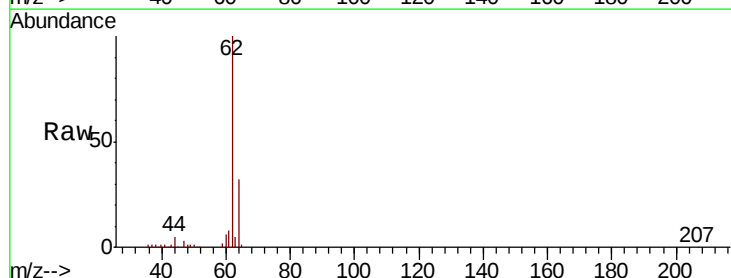
Acq: 27 Nov 2019 13:23

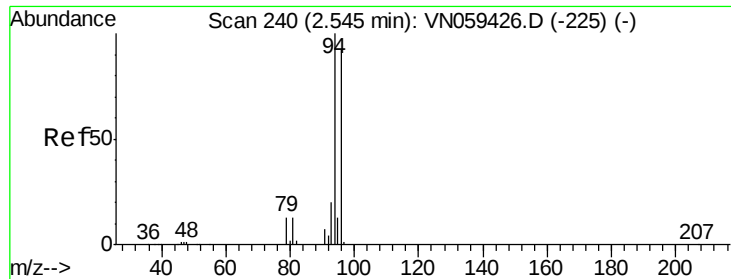
Tgt Ion: 62 Resp: 105746

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#5

Bromomethane

Concen: 20.593 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 61236

Ion Ratio Lower Upper

94 100

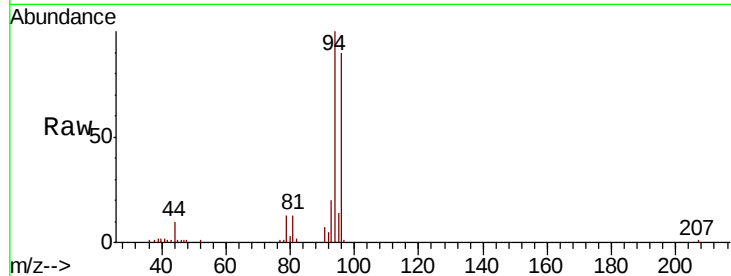
96 89.8 73.8 110.6

Manual Integrations

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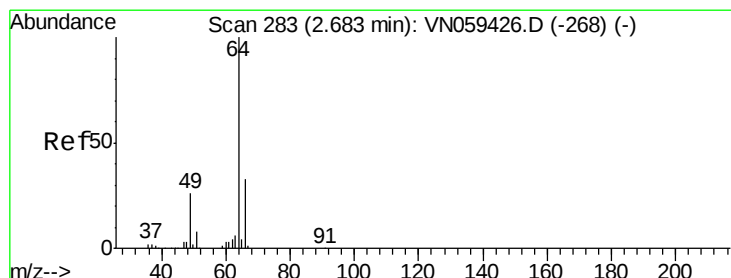
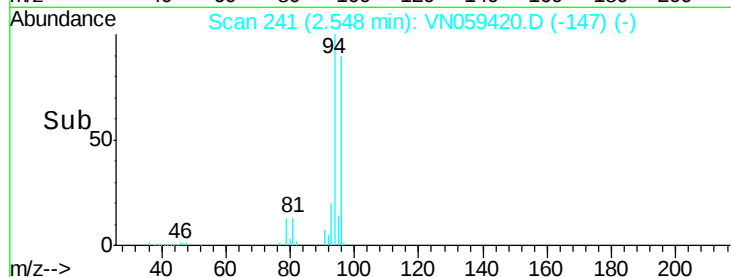
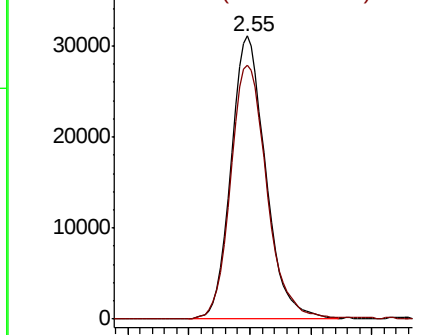
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.456 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059420.D

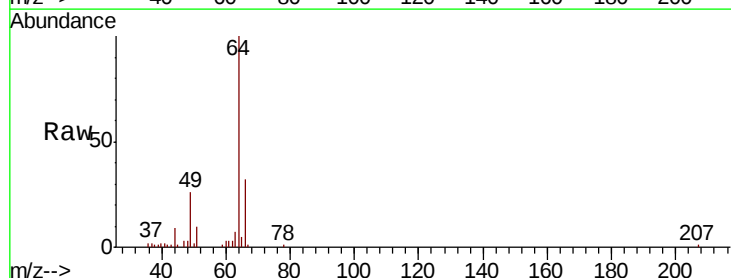
Acq: 27 Nov 2019 13:23

Tgt Ion: 64 Resp: 59417

Ion Ratio Lower Upper

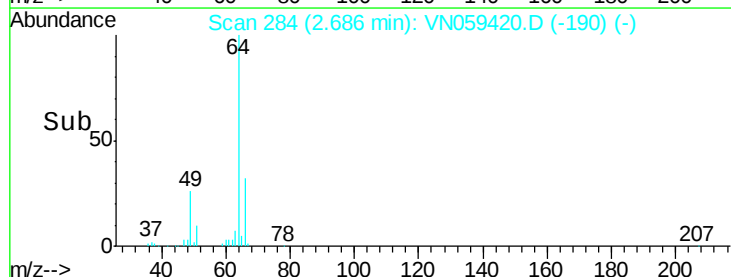
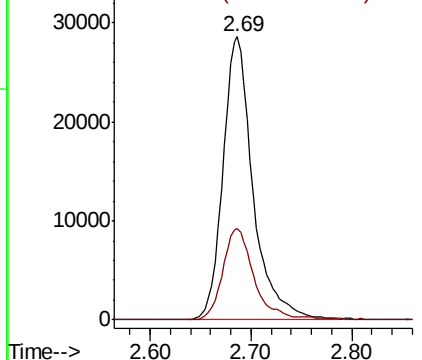
64 100

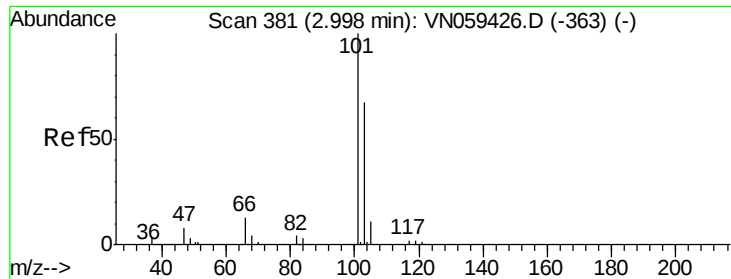
66 32.3 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

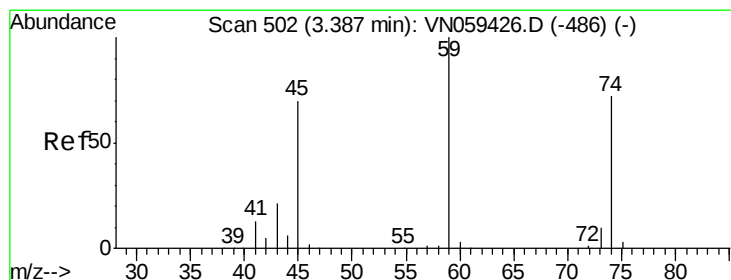
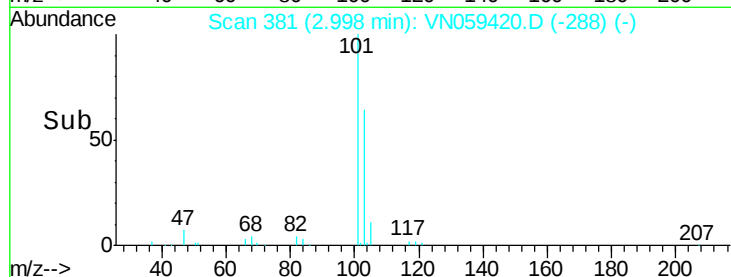
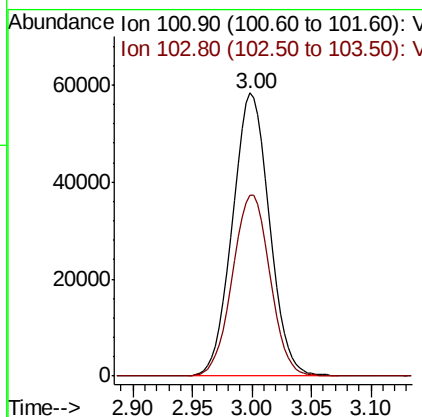
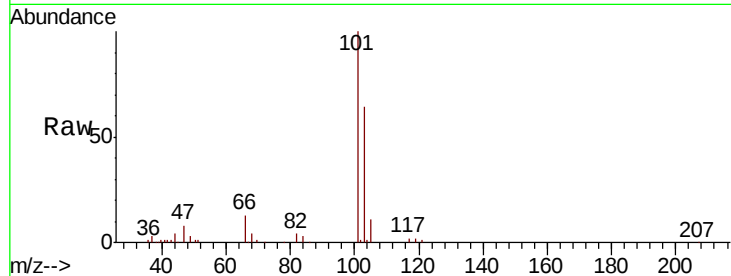
Trichlorofluoromethane
Concen: 21.363 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.6	80.4

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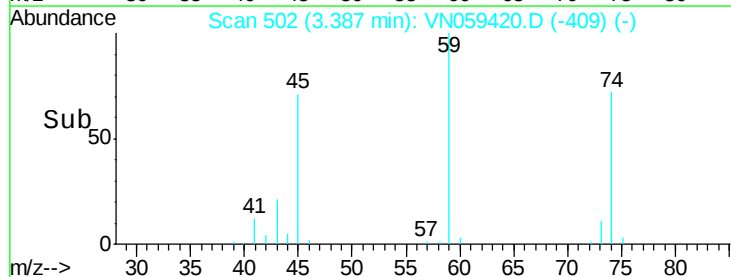
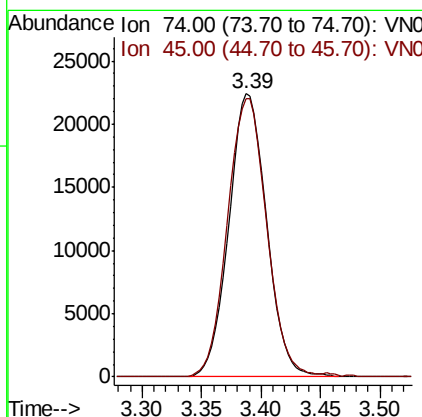
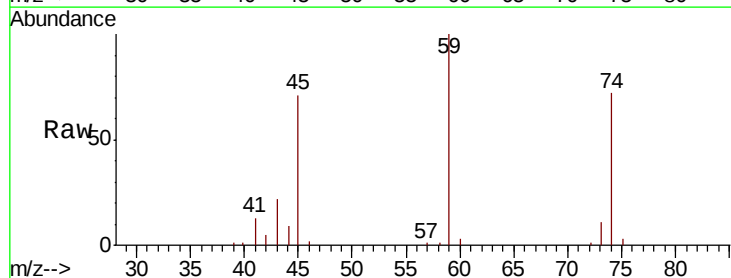
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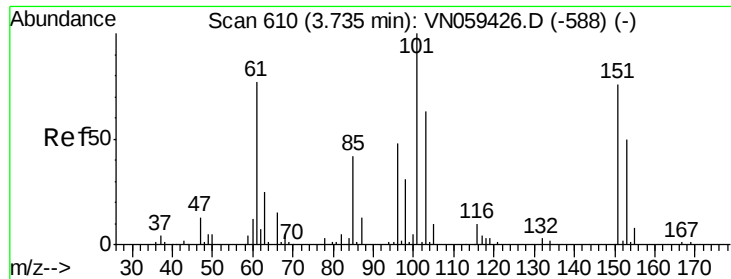


#8

Diethyl Ether
Concen: 20.586 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.723 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:101 Resp: 75083

Ion Ratio Lower Upper

101 100

85 43.8 34.2 51.2

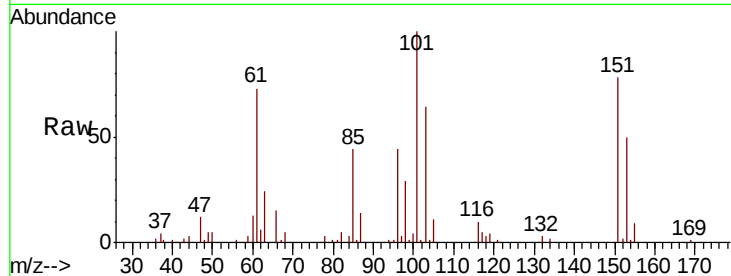
151 79.2 62.6 93.8

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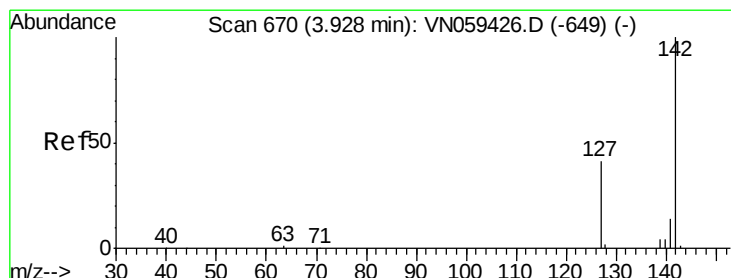
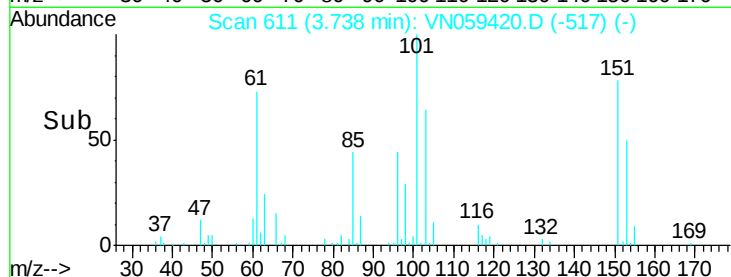
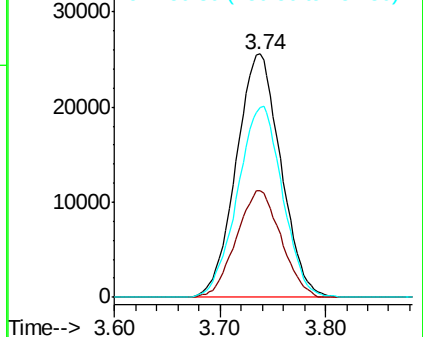
12/2/2019 10:08:47 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.711 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

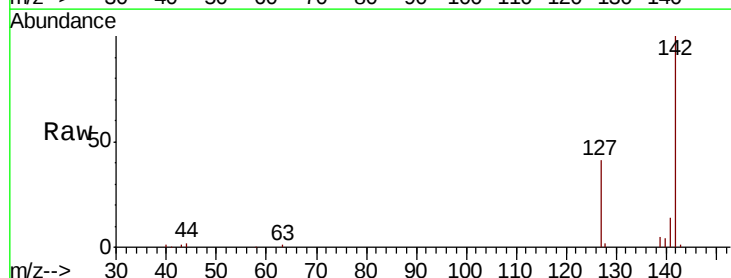
Tgt Ion:142 Resp: 97669

Ion Ratio Lower Upper

142 100

127 41.5 32.6 48.8

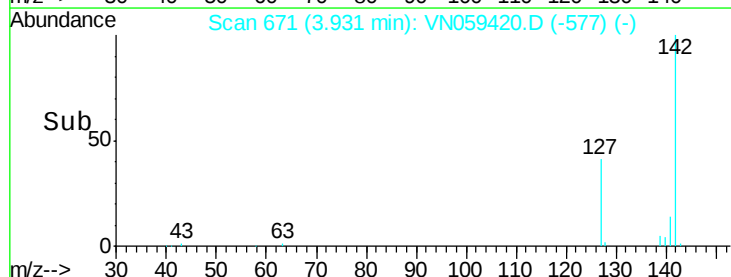
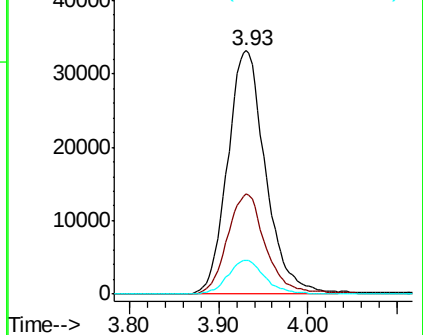
141 13.6 11.1 16.7

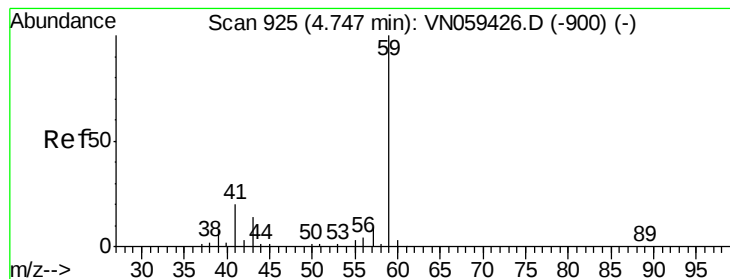


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

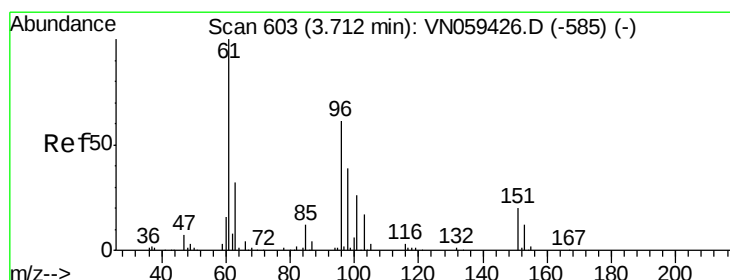
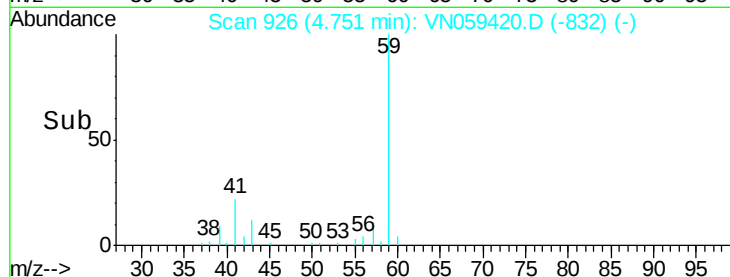
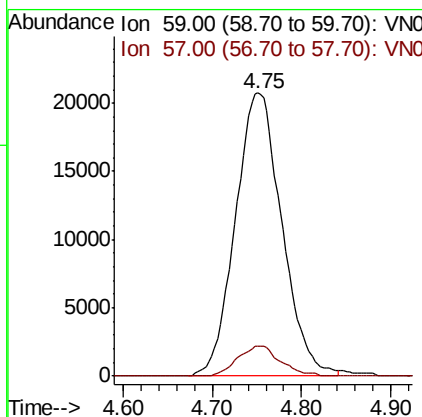
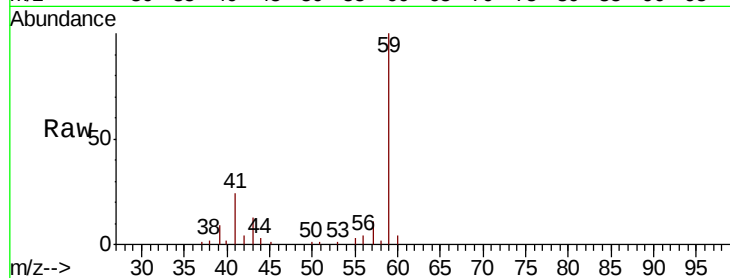
Tert butyl alcohol
Concen: 103.674 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	3.8	5.8#

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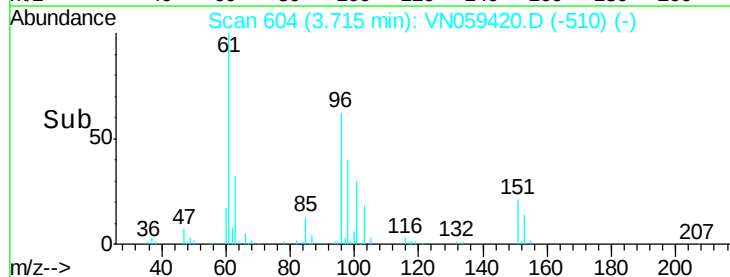
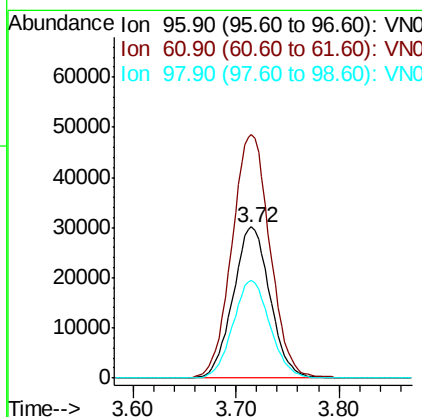
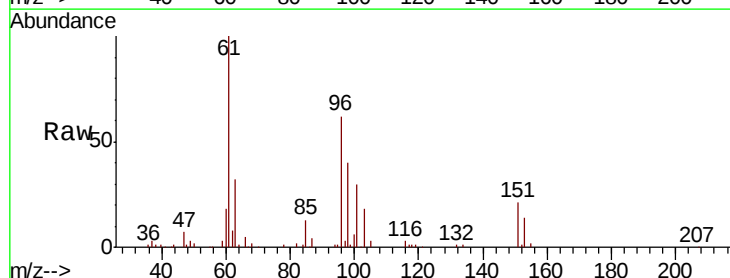
apatel
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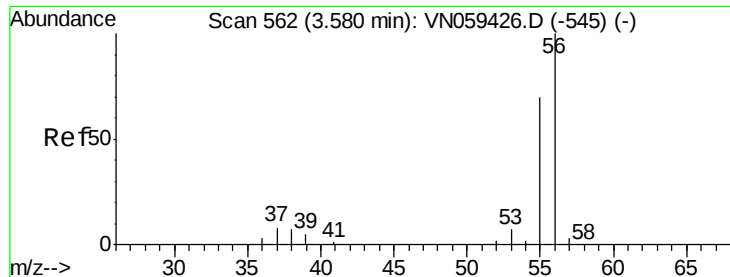


#12

1,1-Dichloroethene
Concen: 21.222 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	130.5	195.7
98	64.5	51.3	76.9





#13

Acrolein

Concen: 92.463 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 65479

Ion Ratio Lower Upper

56 100

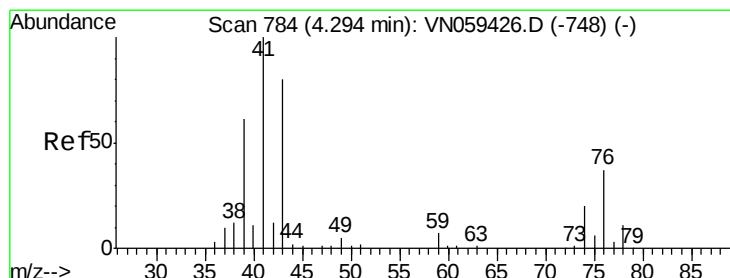
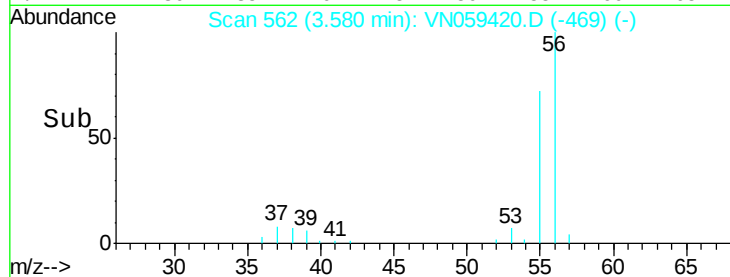
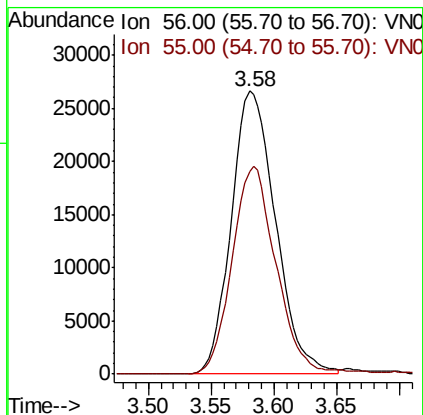
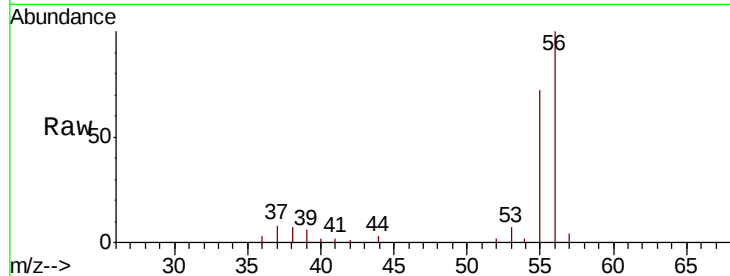
55 73.1 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.040 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

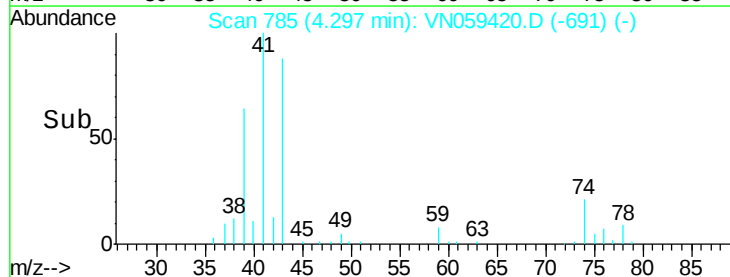
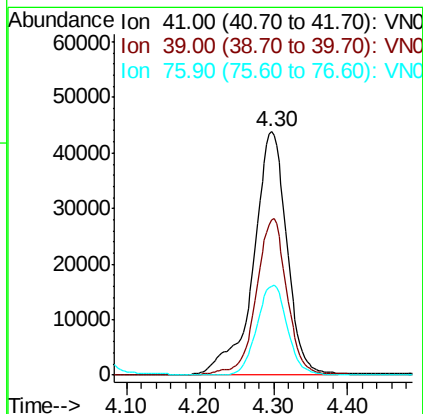
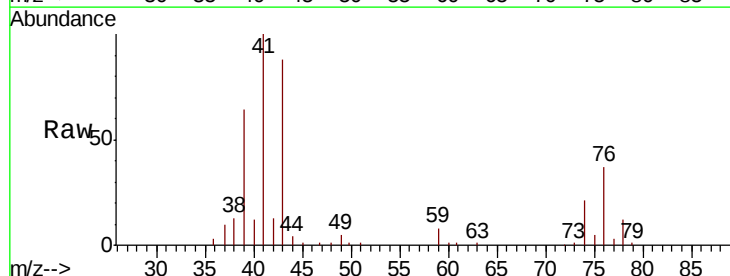
Tgt Ion: 41 Resp: 138461

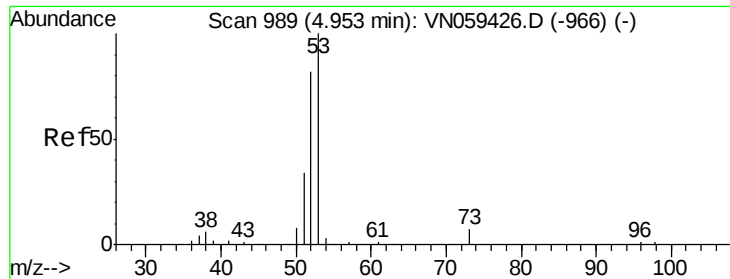
Ion Ratio Lower Upper

41 100

39 59.2 46.5 69.7

76 33.6 26.8 40.2





#15

Acrylonitrile

Concen: 109.393 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

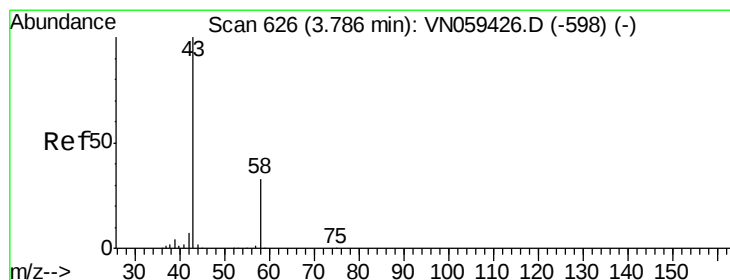
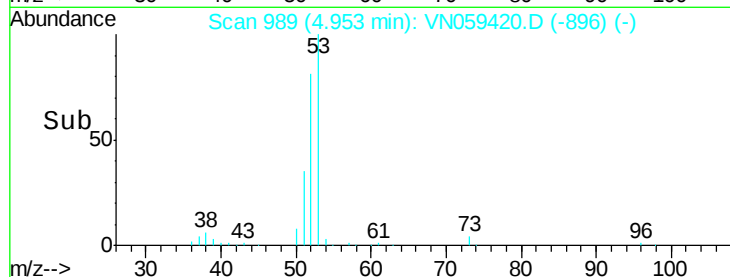
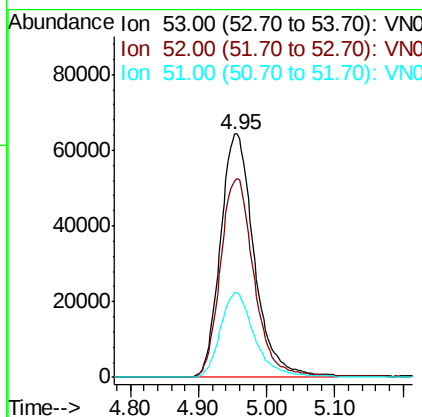
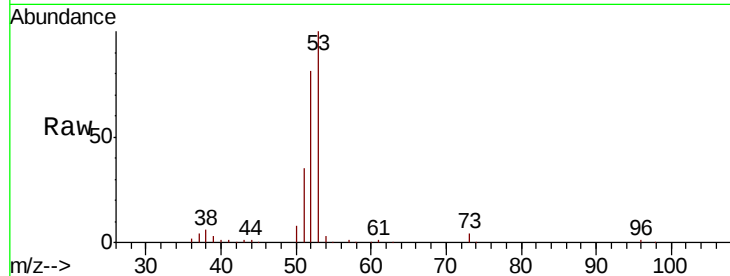
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	221136
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	35.3	27.8	41.8

Manual Integrations
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#16

Acetone

Concen: 109.486 ug/l

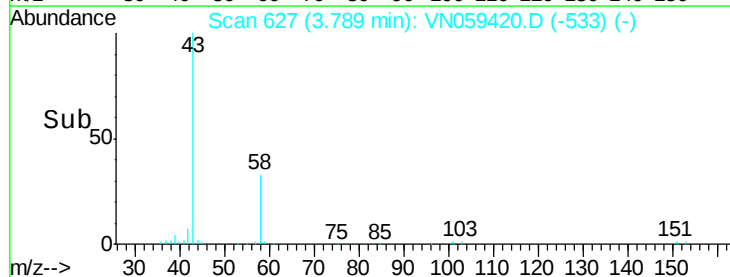
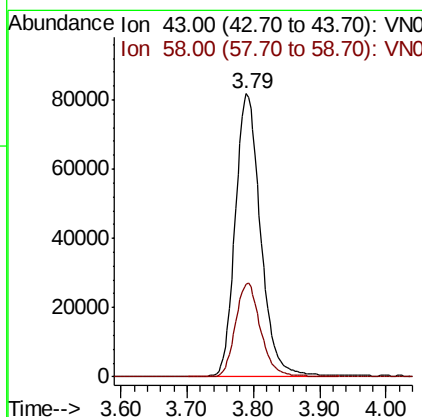
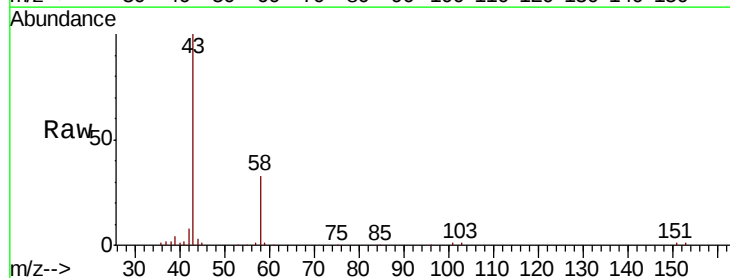
RT: 3.79 min Scan# 627

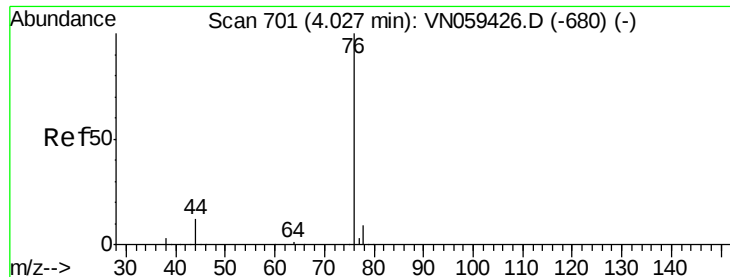
Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Tgt Ion:	43	Resp:	218426
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8





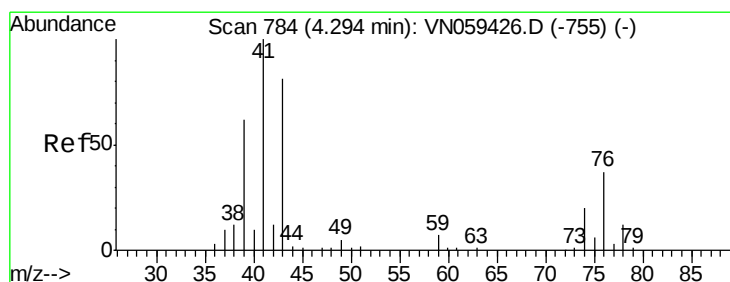
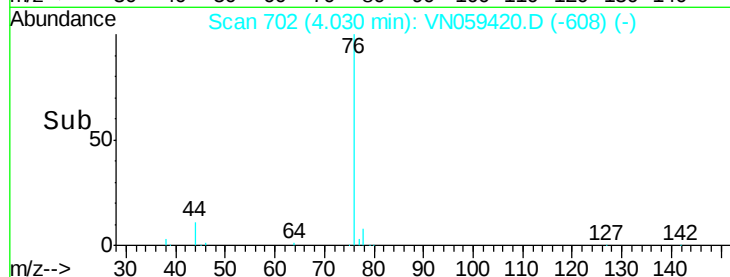
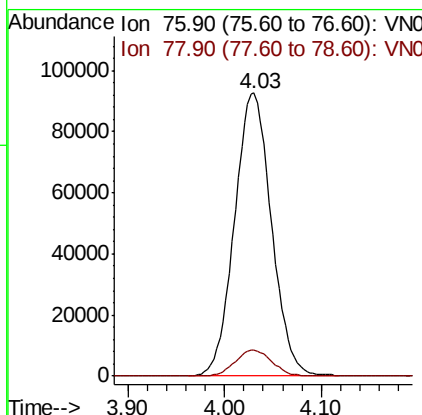
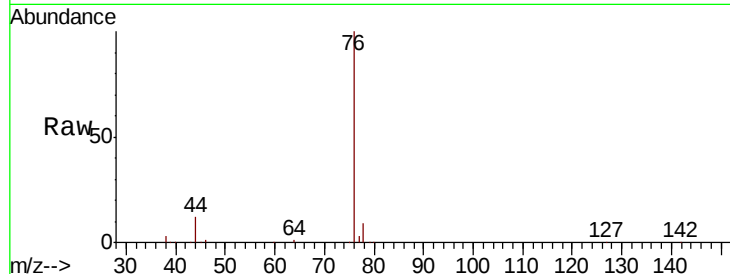
#17
Carbon Disulfide
Concen: 20.191 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

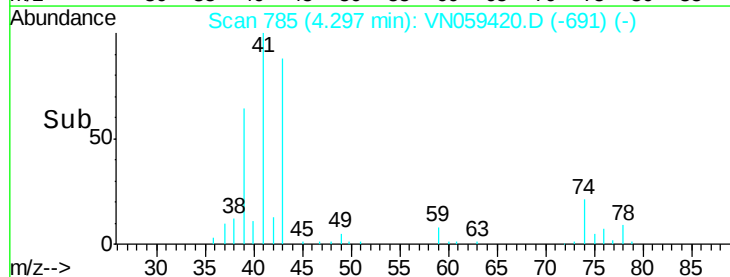
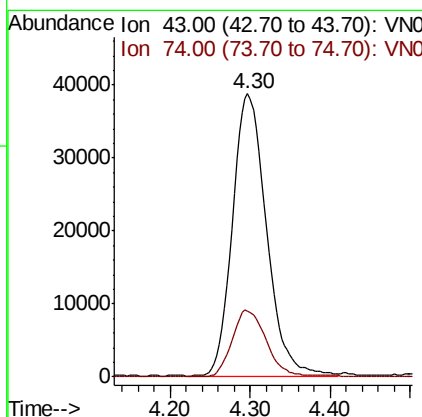
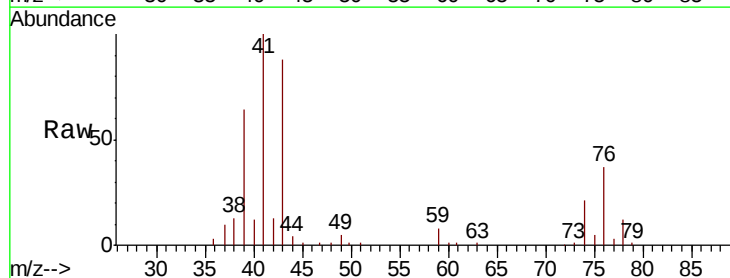
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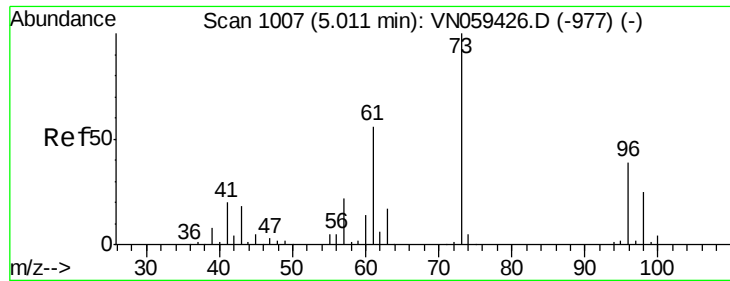
apatel
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#18
Methyl Acetate
Concen: 20.719 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0





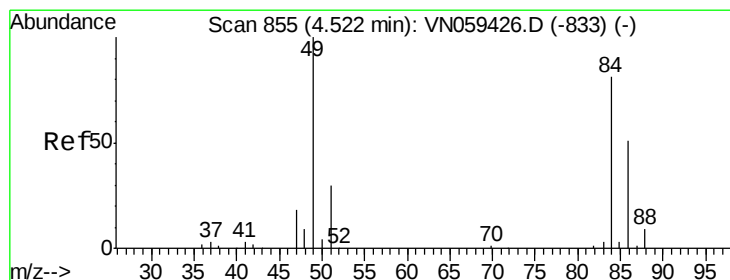
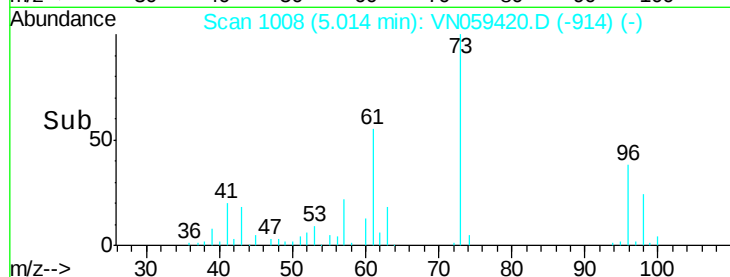
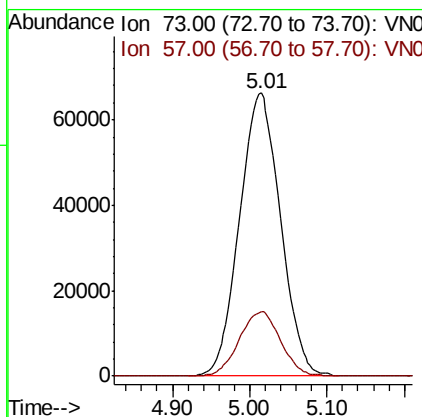
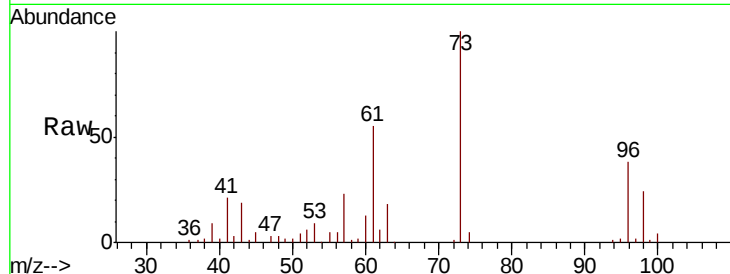
#19
Methvl tert-butvl Ether
Concen: 21.383 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 244497
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5

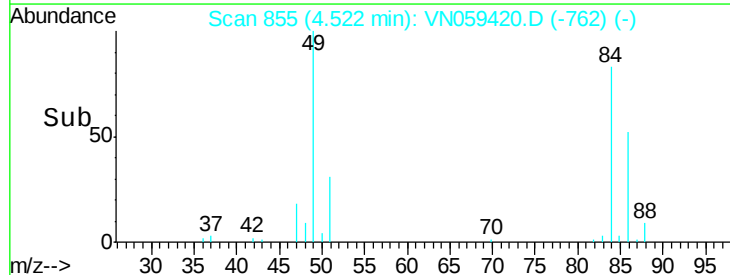
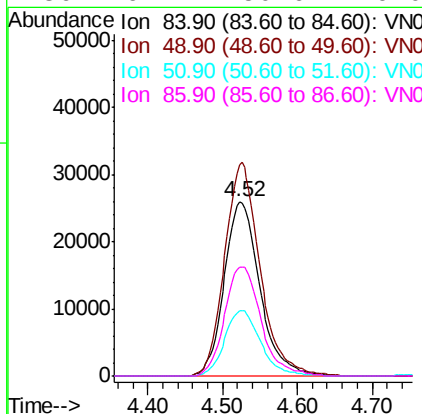
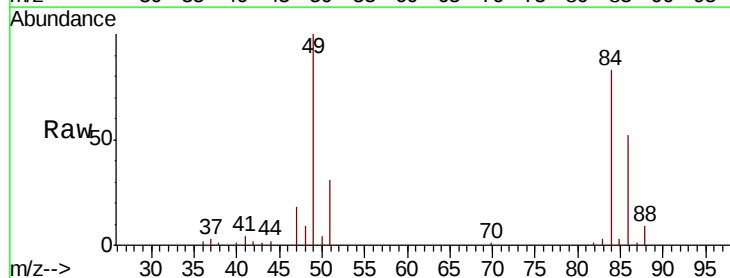
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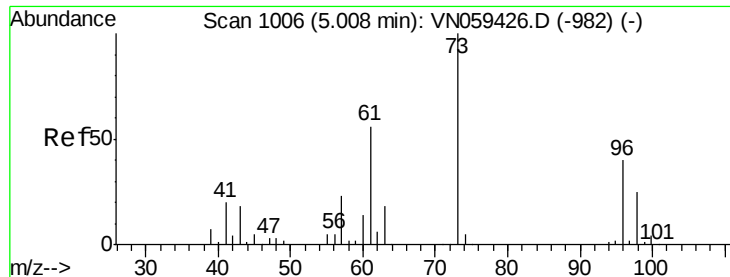
apatel
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#20
Methylene Chloride
Concen: 21.168 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion: 84 Resp: 85810
Ion Ratio Lower Upper
84 100
49 120.7 98.6 148.0
51 37.4 29.4 44.0
86 62.4 50.6 76.0





#21

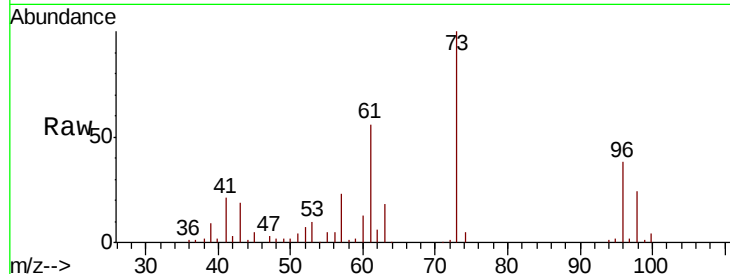
trans-1,2-Dichloroethene
Concen: 21.214 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	114.0	171.0
98	62.5	50.5	75.7

Manual Integrations
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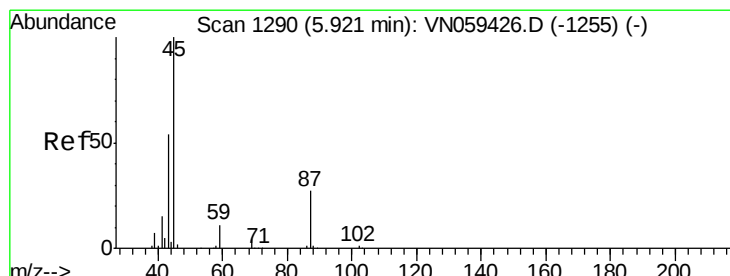
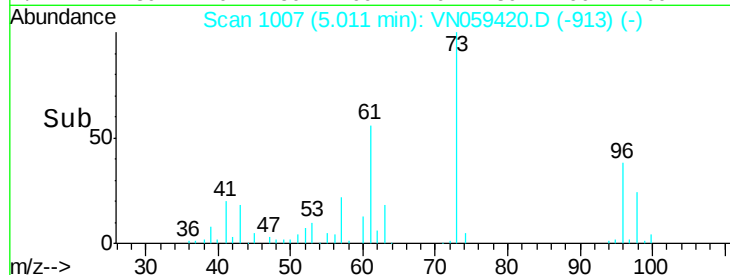
apatel
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Abundance

Ion 95.90 (95.60 to 96.60): VN059420.D (-982) (-)

Time-->



#22

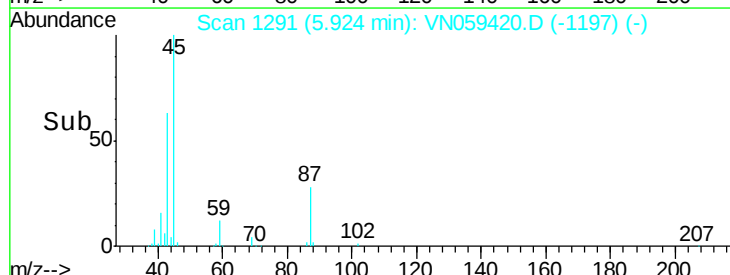
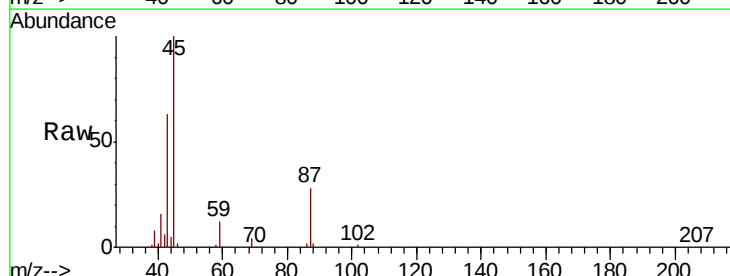
Diisopropyl ether
Concen: 21.531 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

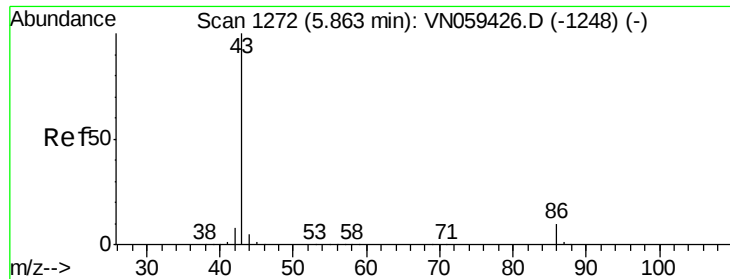
Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	46.3	69.5
87	28.0	21.8	32.6
59	12.2	9.0	13.4

Abundance

Ion 45.00 (44.70 to 45.70): VN059420.D (-1197) (-)

Time-->





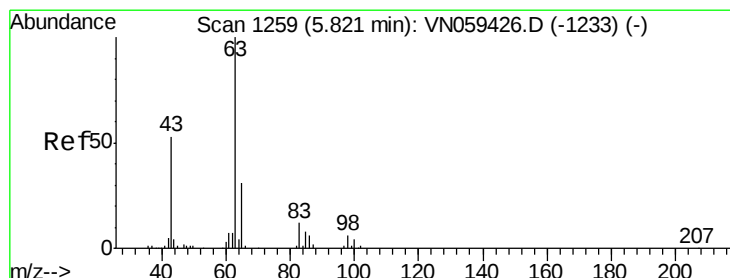
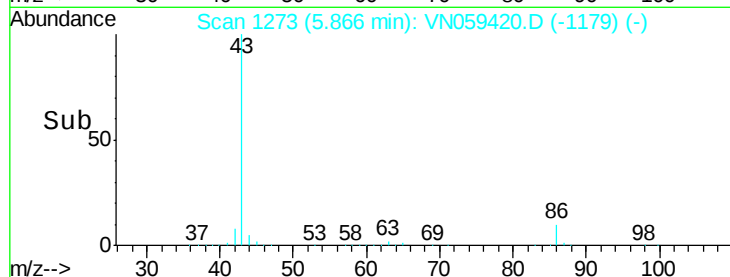
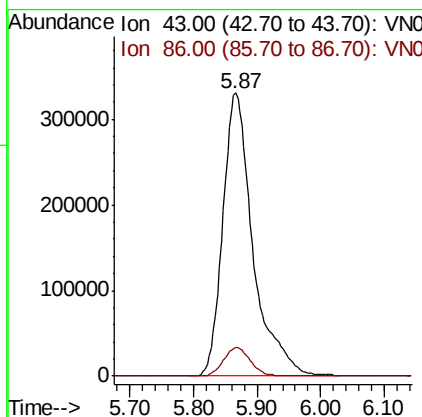
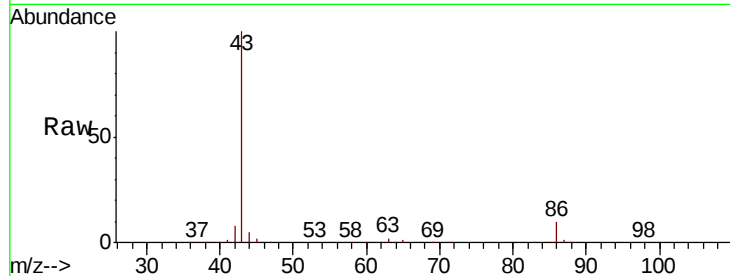
#23
 Vinyl Acetate
 Concen: 110.643 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1091611
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.4

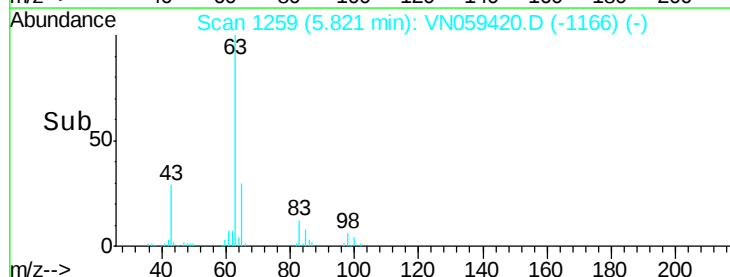
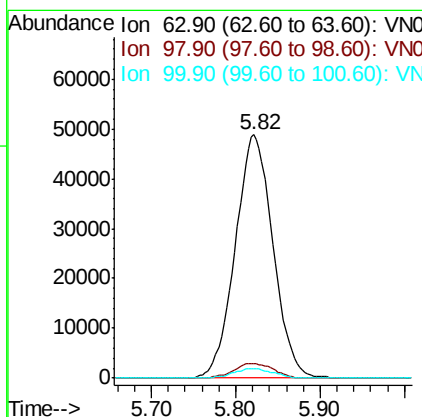
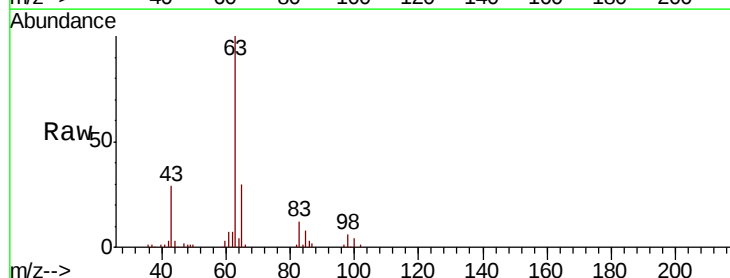
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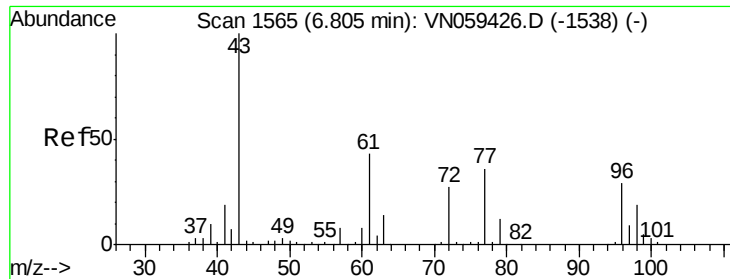
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#24
 1,1-Dichloroethane
 Concen: 21.557 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Tgt Ion: 63 Resp: 151678
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.2 9.6
 100 3.7 2.1 6.3





#25

2-Butanone

Concen: 109.771 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 301268

Ion Ratio Lower Upper

43 100

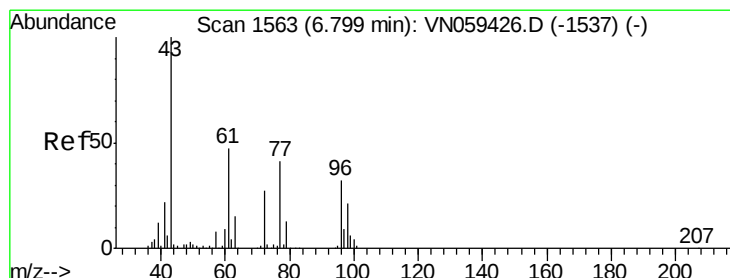
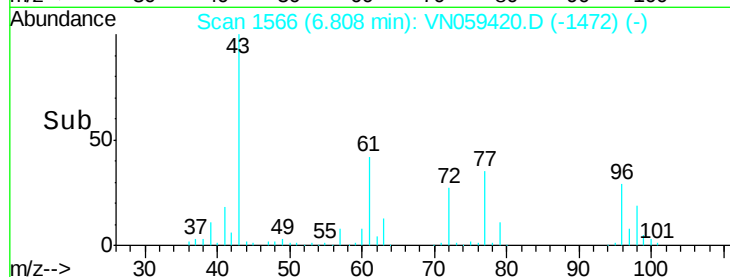
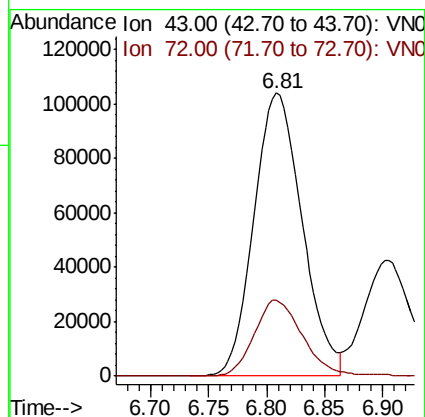
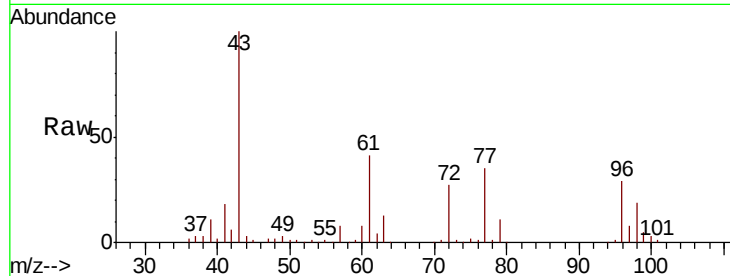
72 26.9 21.4 32.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.288 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059420.D

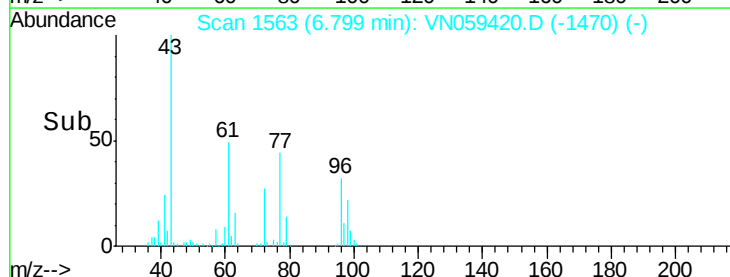
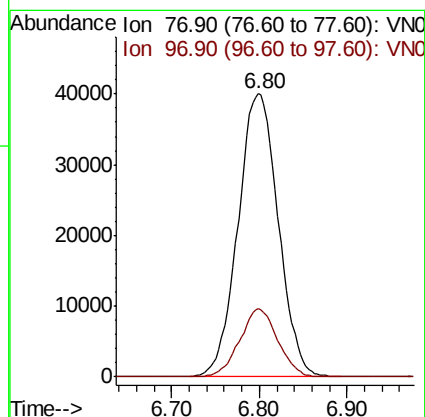
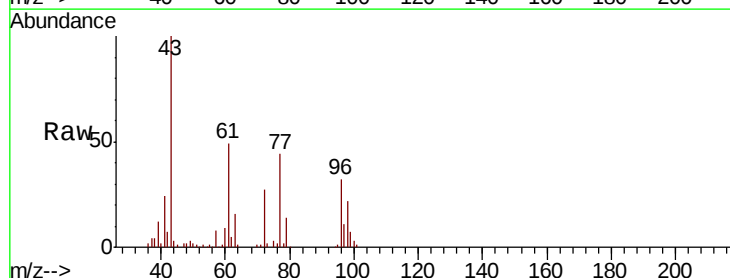
Acq: 27 Nov 2019 13:23

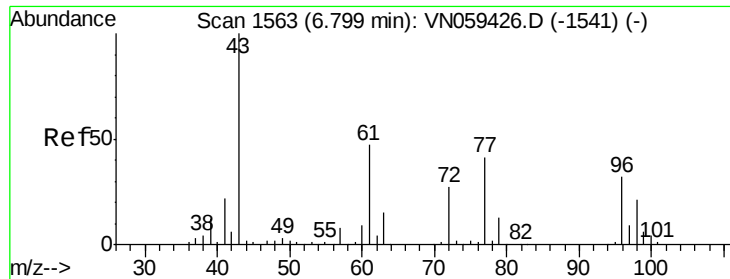
Tgt Ion: 77 Resp: 127474

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 21.237 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

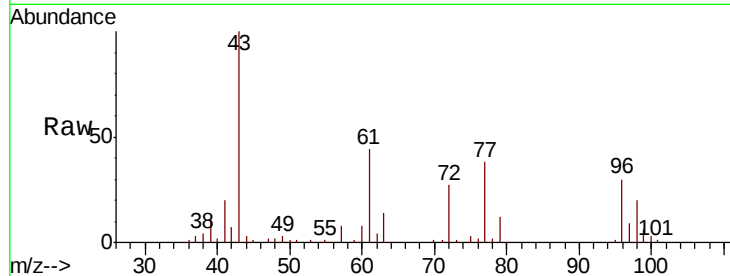
ClientSampleId :

VSTDIC020

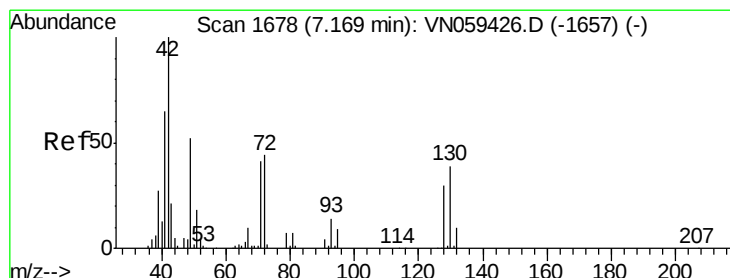
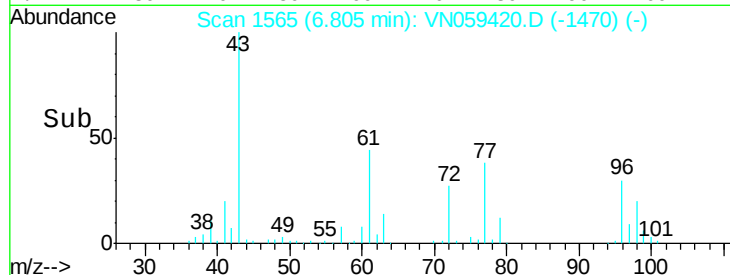
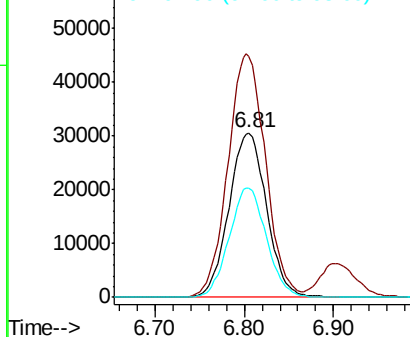
Tot Ion:	96	Resp:	89793
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	297.6
98	65.7	0.0	130.8

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 24.742 ug/l

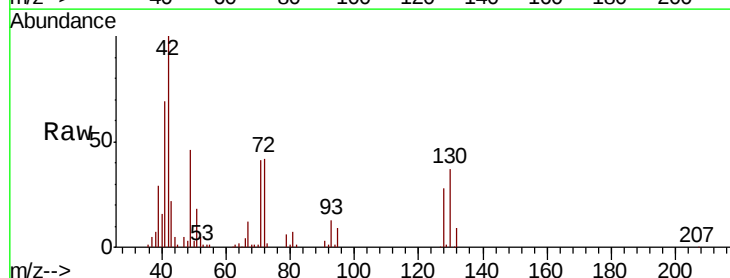
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

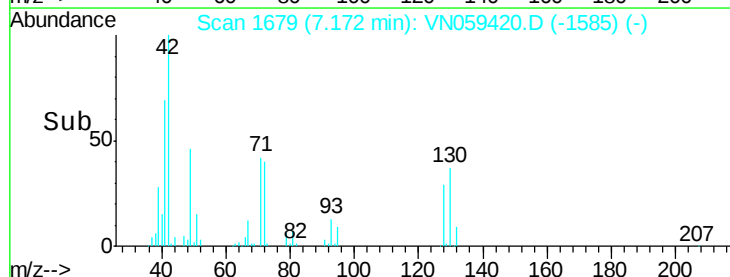
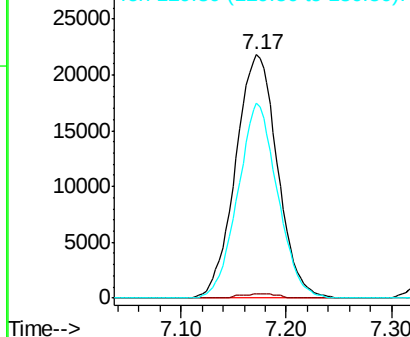
Lab File: VN059420.D

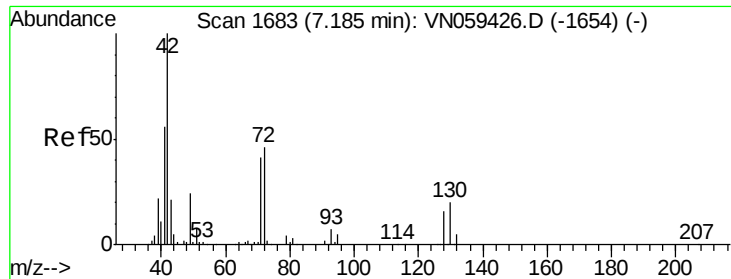
Acq: 27 Nov 2019 13:23

Tgt Ion:	49	Resp:	60152
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.9	60.5	90.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





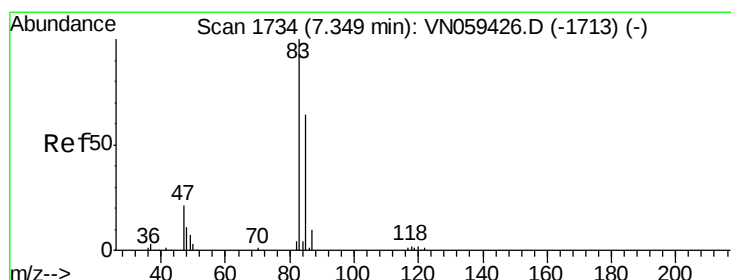
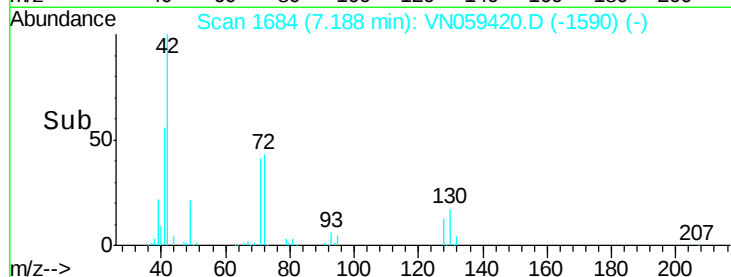
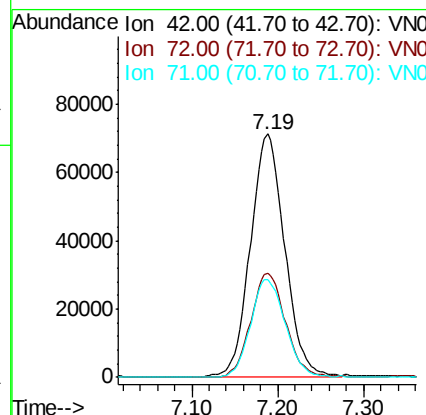
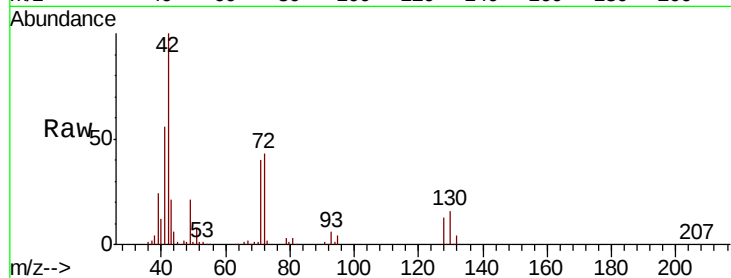
#29
Tetrahydrofuran
Concen: 108.891 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	51.8
71	40.6	33.0	49.6

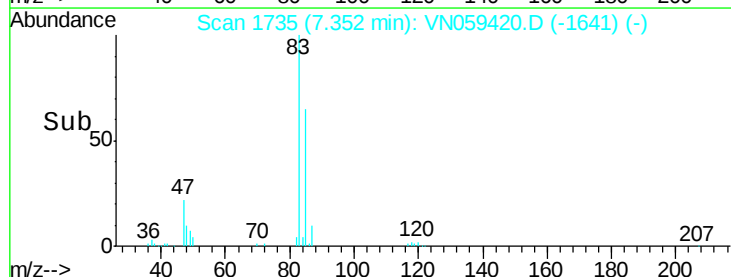
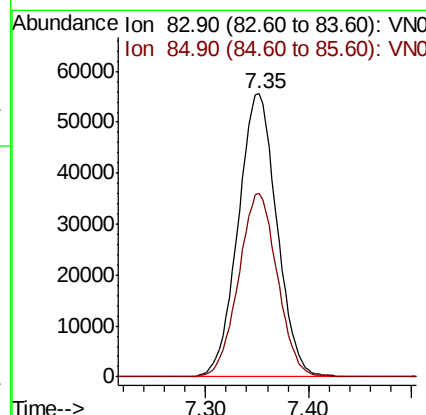
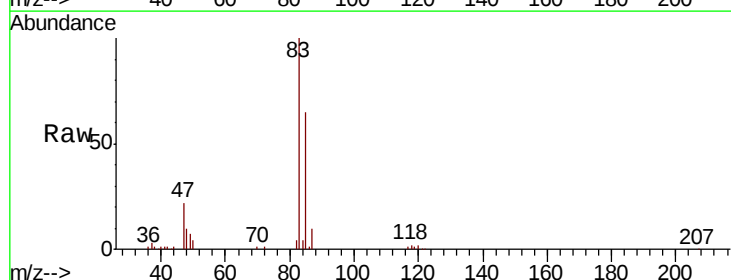
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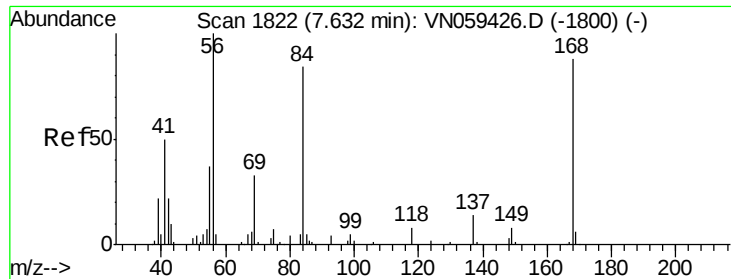
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#30
Chloroform
Concen: 20.523 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4





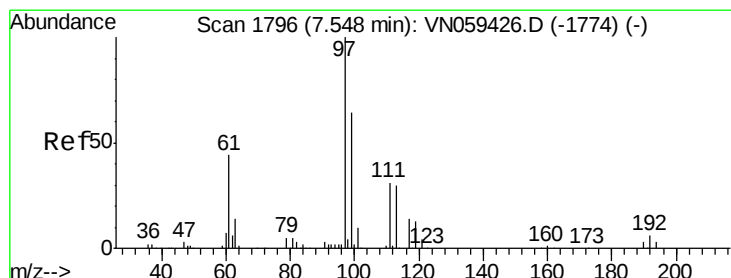
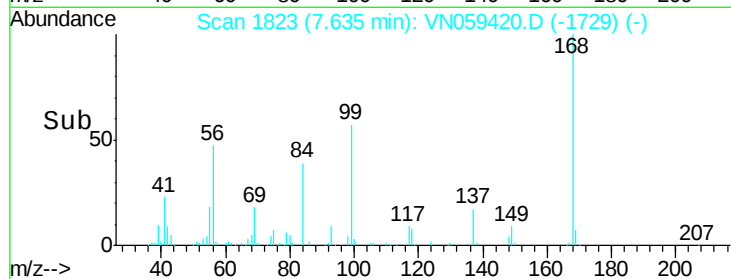
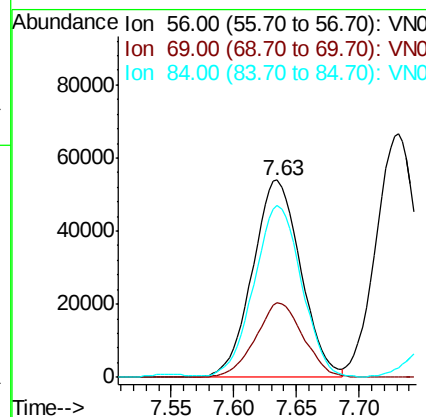
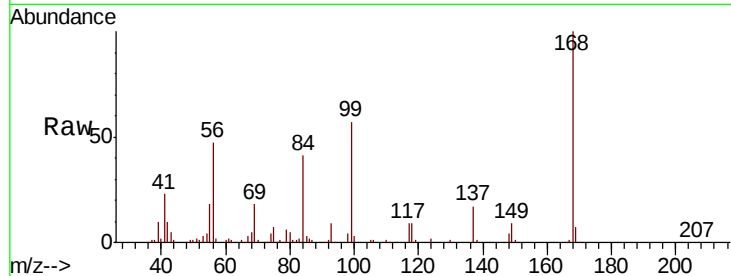
#31
Cyclohexane
Concen: 20.479 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	56	69	84	Resp	144449
Ion Ratio	100	38.0	86.1	Lower	Upper
		26.4	67.0		100.6

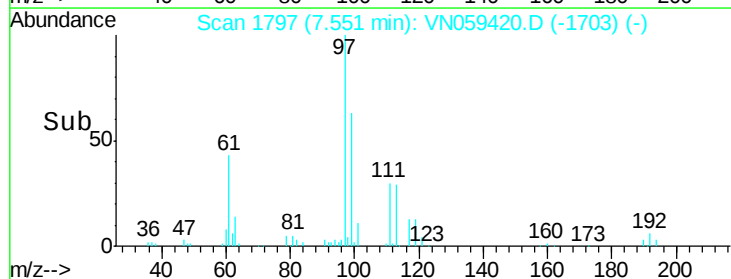
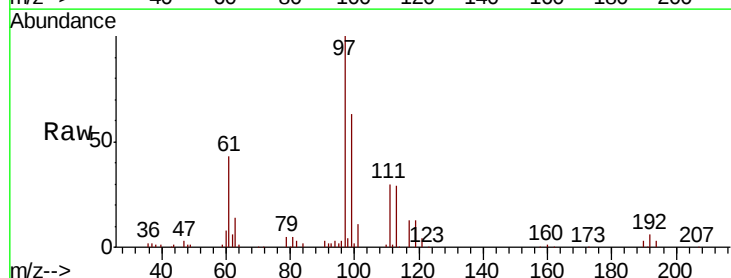
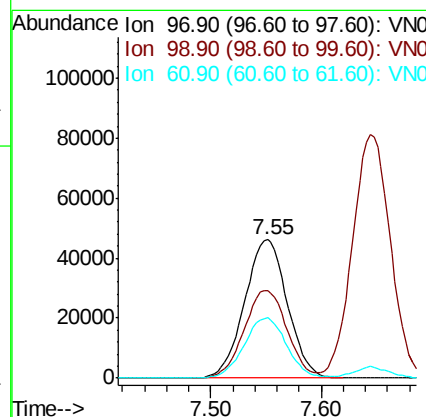
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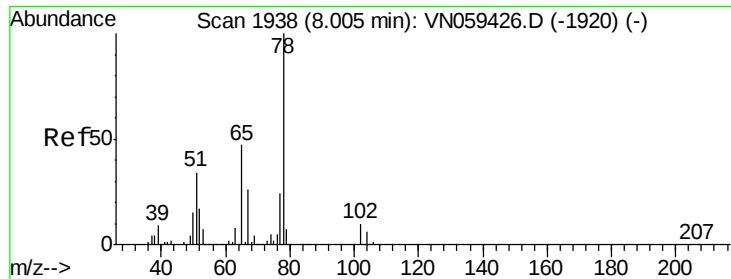
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#32
1,1,1-Trichloroethane
Concen: 21.355 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	97	99	61	Resp	123651
Ion Ratio	100	63.7	43.5	Lower	Upper
		50.9	34.3		76.3
					51.5





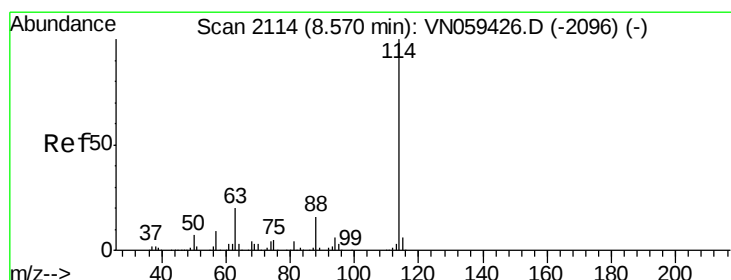
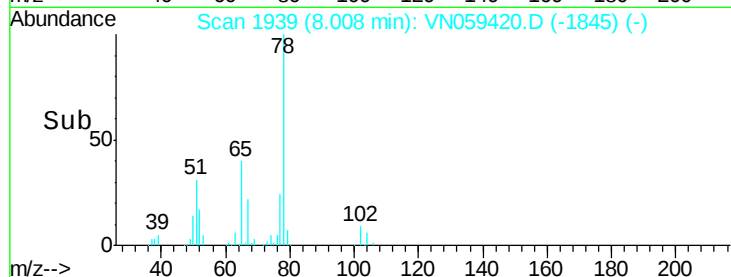
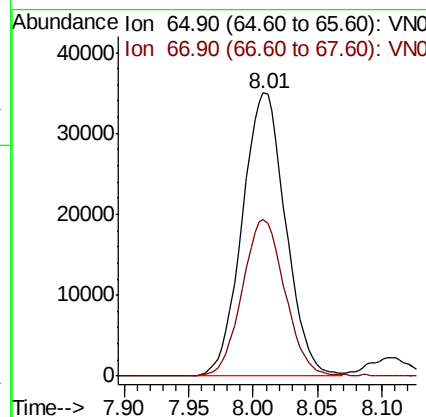
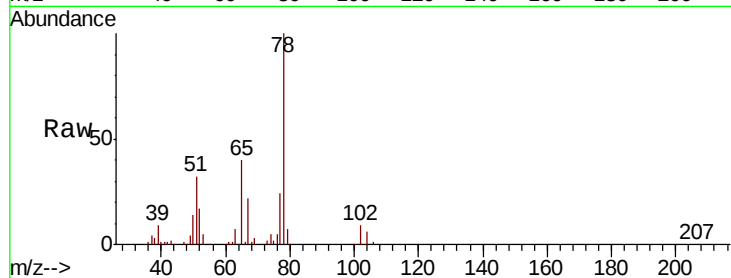
#33
 1,2-Dichloroethane-d4
 Concen: 19.643 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	111.2

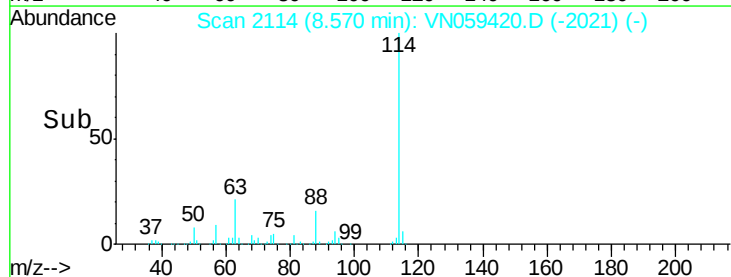
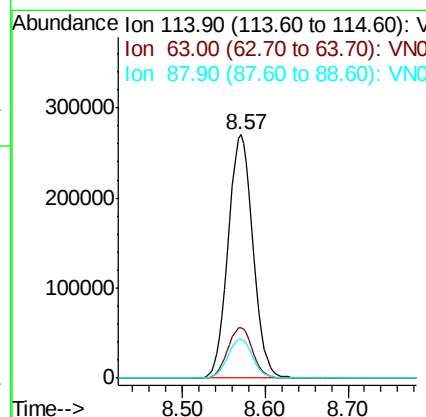
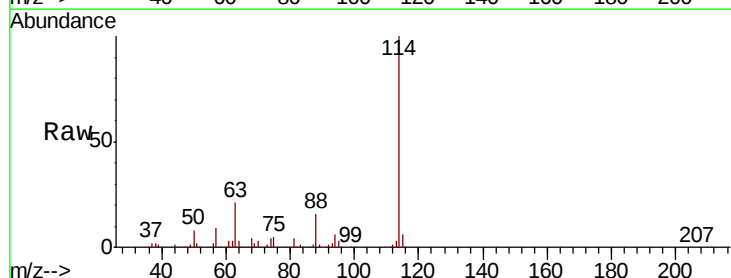
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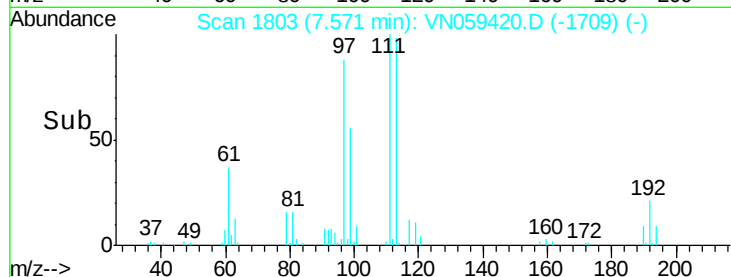
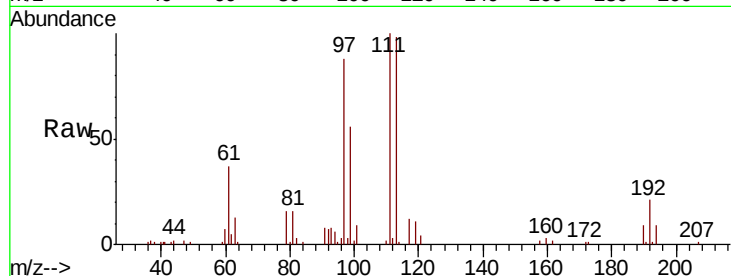
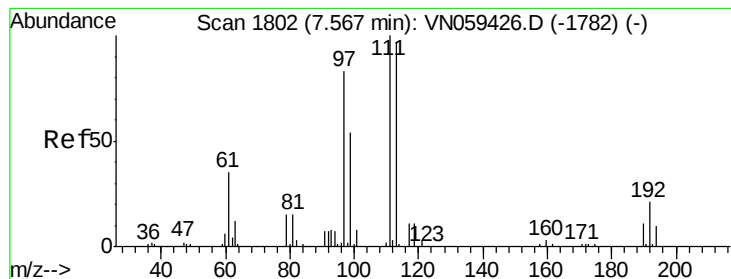
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.4
88	16.0	0.0	32.2





#35

Dibromofluoromethane

Concen: 19.174 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Tot Ion:	113	Resp:	65588
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	20.9	16.6	24.8

Instrument :

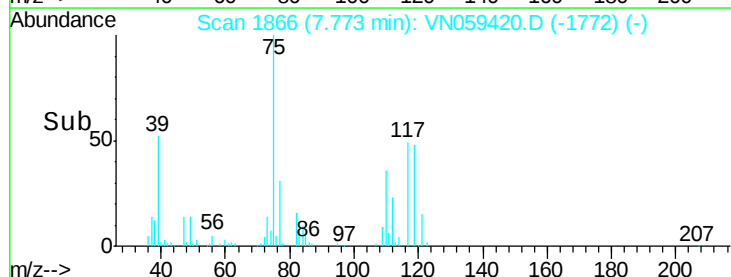
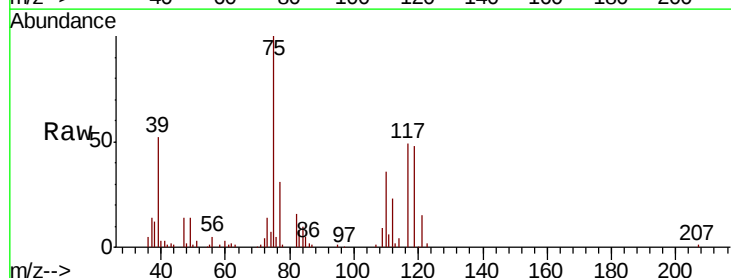
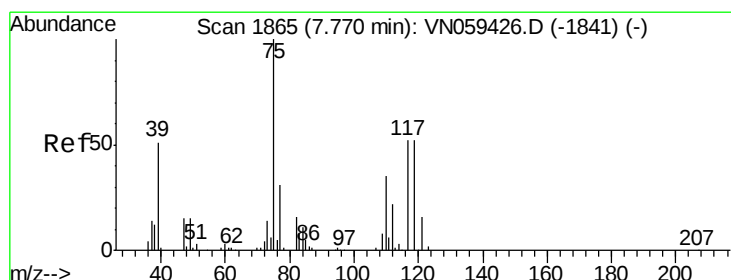
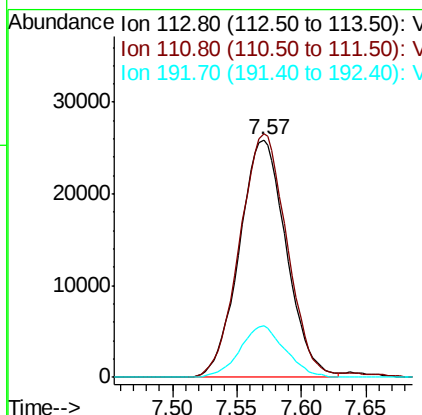
MSVOA_N

ClientSampleId :

VSTDIC020

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#36

1,1-Dichloropropene

Concen: 20.707 ug/l

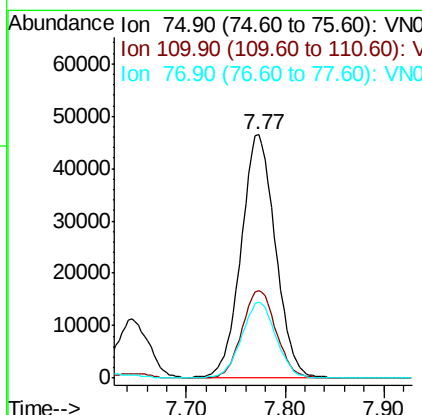
RT: 7.77 min Scan# 1866

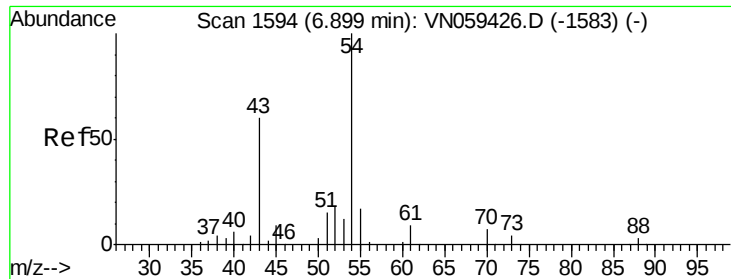
Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Tgt Ion:	75	Resp:	111826
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.3	52.0
77	31.3	24.9	37.3





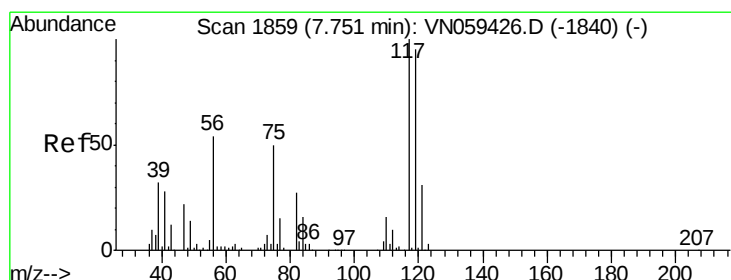
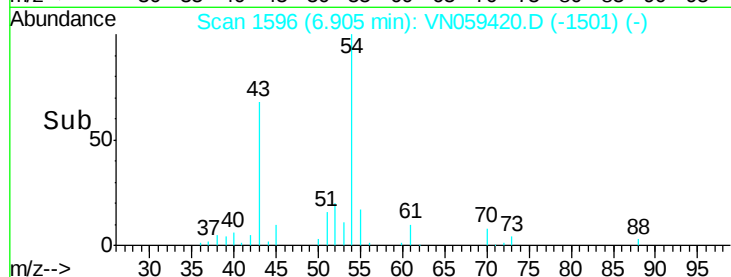
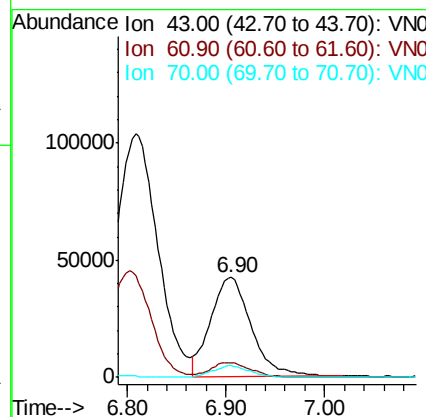
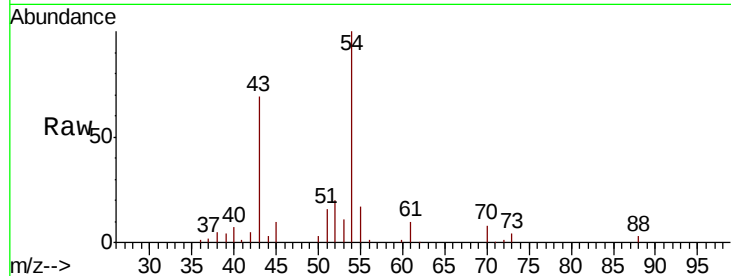
#37
Ethyl Acetate
Concen: 21.264 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.2	18.2
70	11.0	8.8	13.2

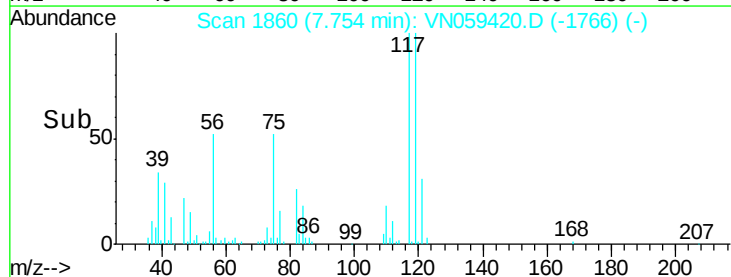
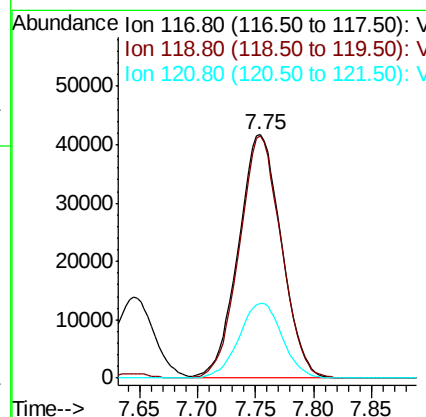
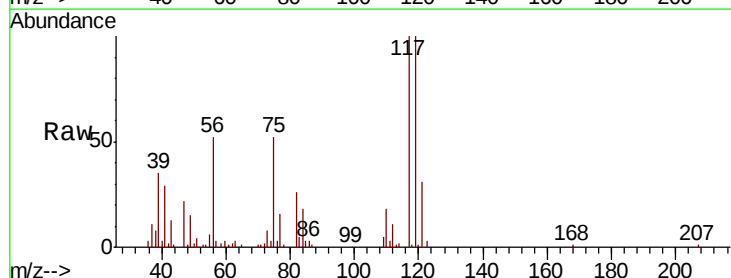
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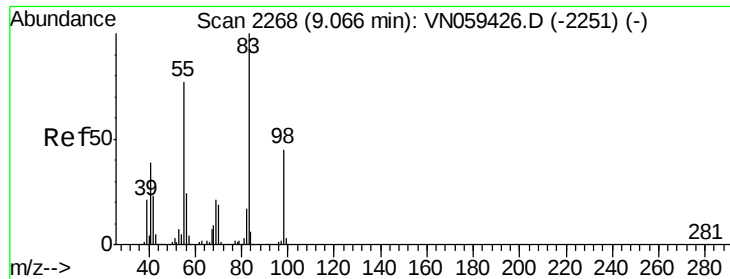
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#38
Carbon Tetrachloride
Concen: 21.107 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	75.9	113.9
121	30.8	24.6	36.8





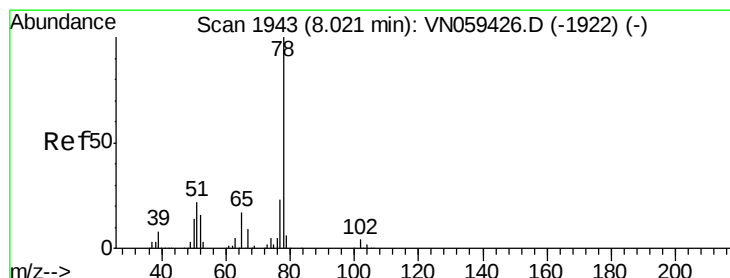
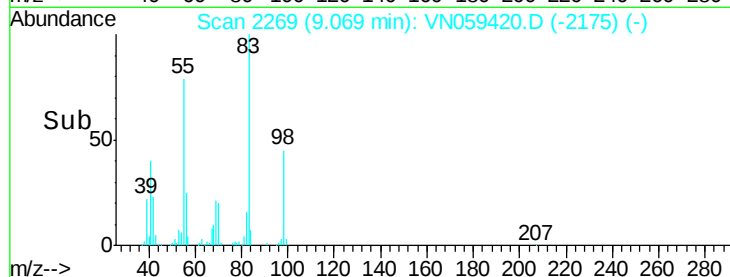
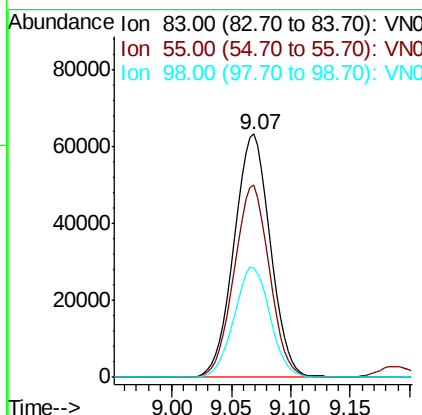
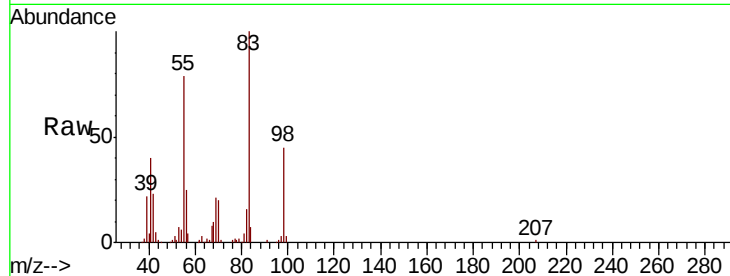
#39
Methvlcvclohexane
Concen: 20.757 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.6	92.4
98	44.8	35.7	53.5

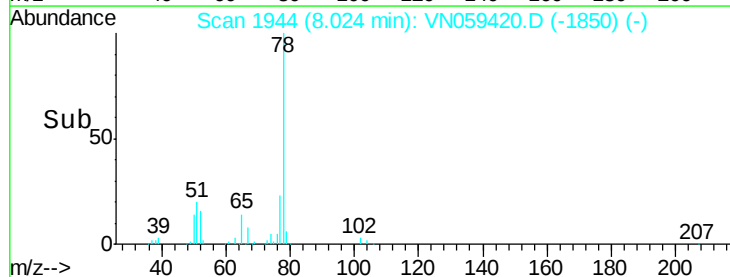
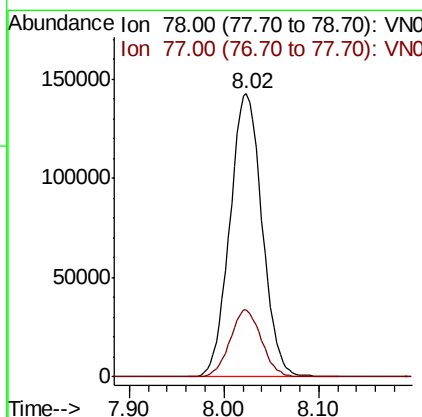
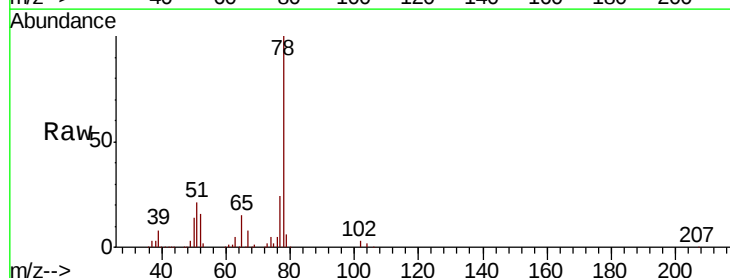
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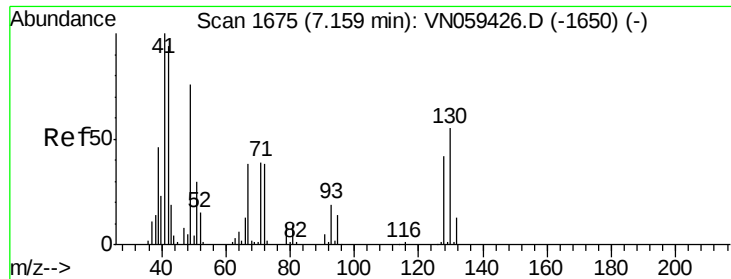
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#40
Benzene
Concen: 21.109 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5





#41

Methacrylonitrile

Concen: 21.100 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 56924

Ion Ratio Lower Upper

41 100

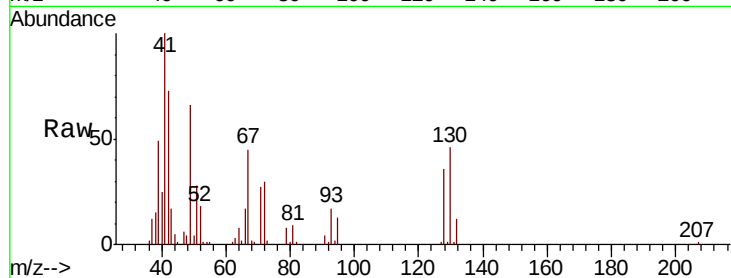
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

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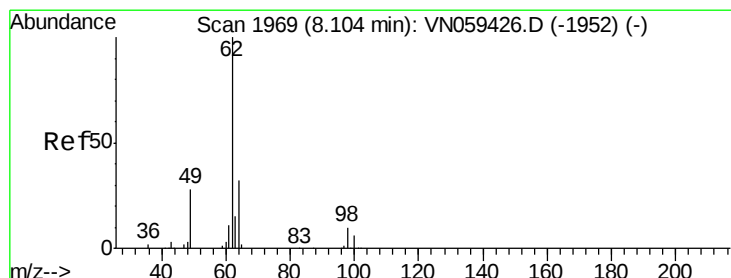
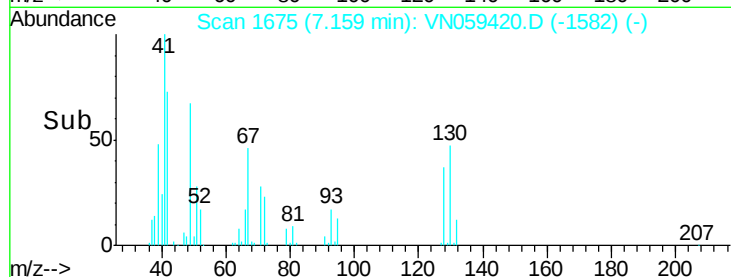
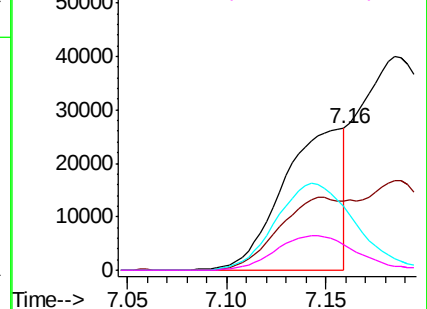


Abundance Ion 41.00 (40.70 to 41.70): VN059420.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN059420.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN059420.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN059420.D (-1650) (-)



#42

1,2-Dichloroethane

Concen: 21.296 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN059420.D

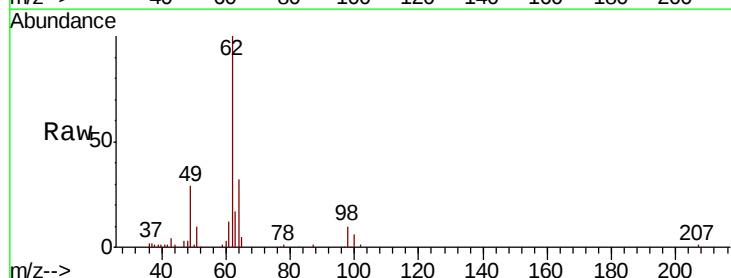
Acq: 27 Nov 2019 13:23

Tgt Ion: 62 Resp: 108278

Ion Ratio Lower Upper

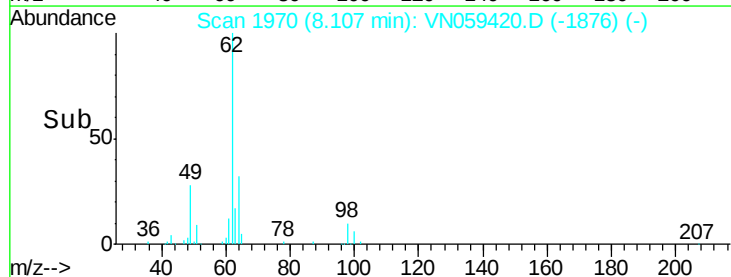
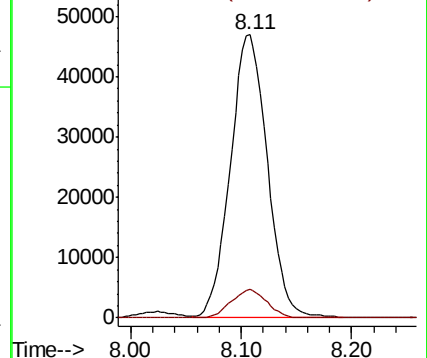
62 100

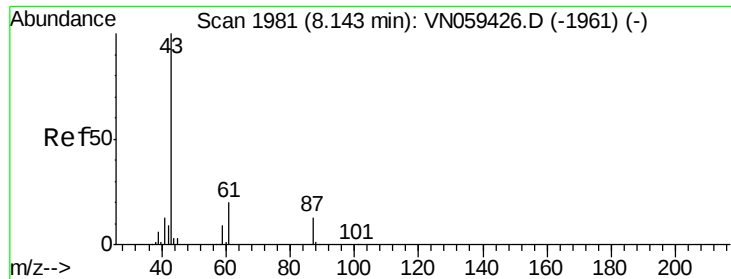
98 9.8 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN059420.D (-1876) (-)

Ion 97.90 (97.60 to 98.60): VN059420.D (-1876) (-)





#43

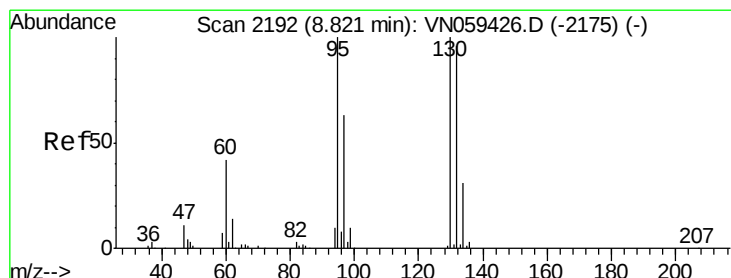
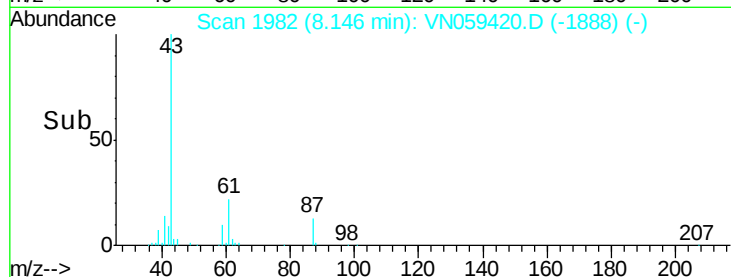
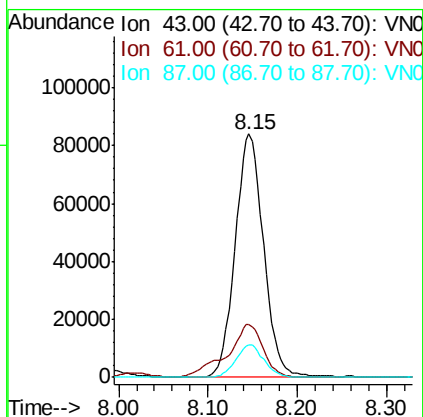
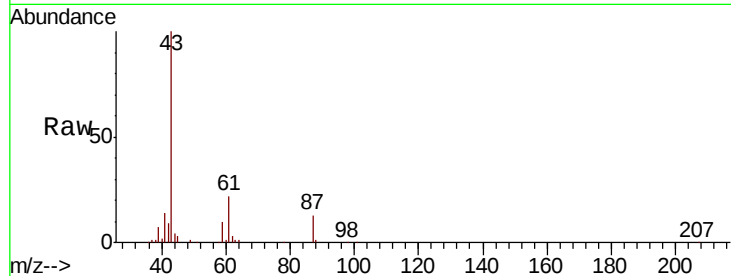
Isopropyl Acetate
 Concen: 21.360 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	43	61	87
Resp	185405		
Ratio	100	27.4	13.2
Lower		22.2	10.7
Upper		33.2	16.1

Manual Integrations
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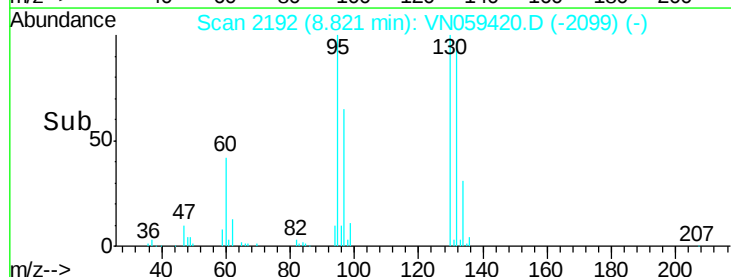
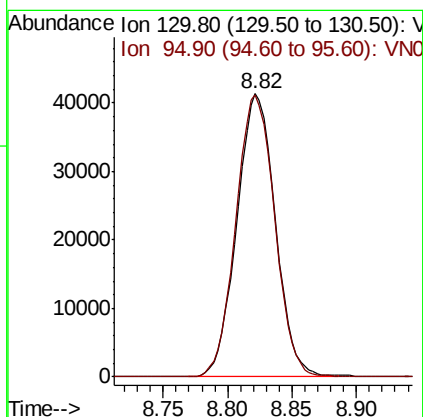
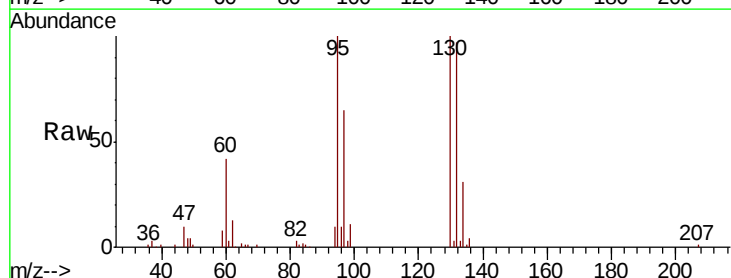
apatel
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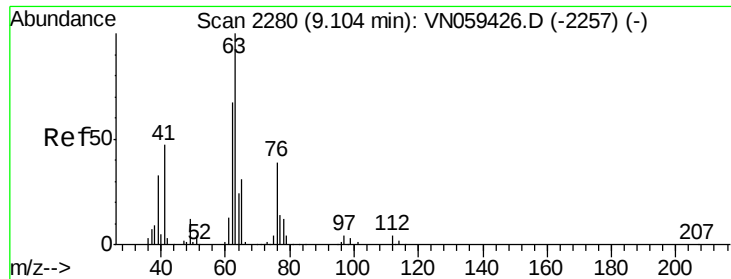


#44

Trichloroethene
 Concen: 21.052 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Tgt Ion	130	95
Resp	86072	
Ratio	100	99.8
Lower		0.0
Upper		199.6





#45

1,2-Dichloropropane

Concen: 21.237 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 89071

Ion Ratio Lower Upper

63 100

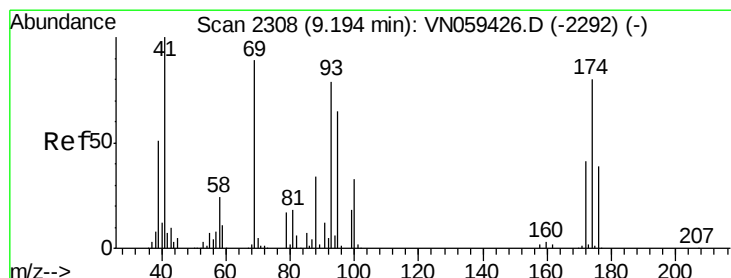
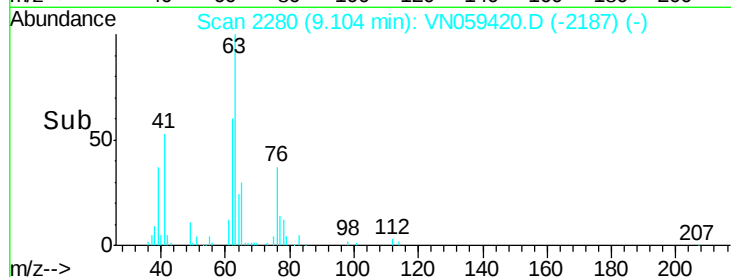
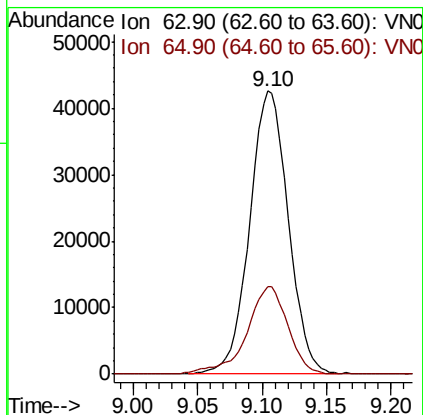
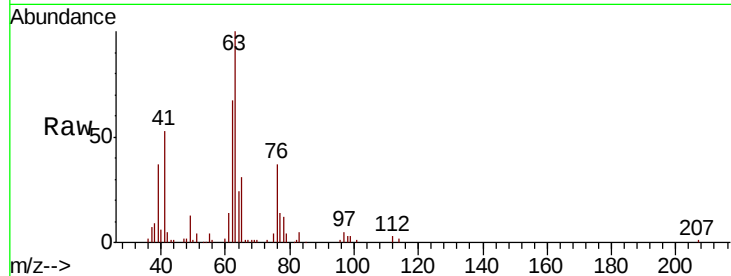
65 31.0 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 21.305 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

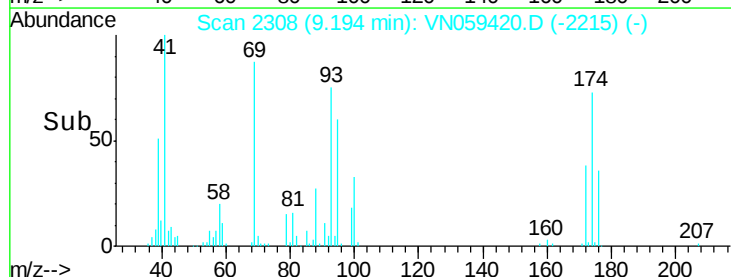
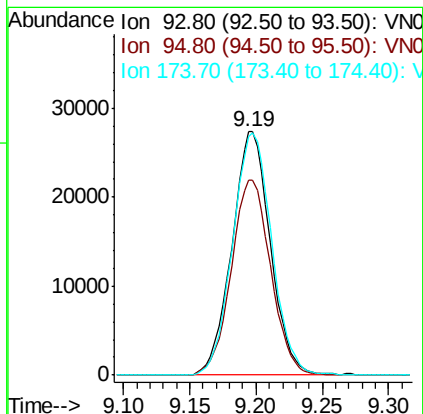
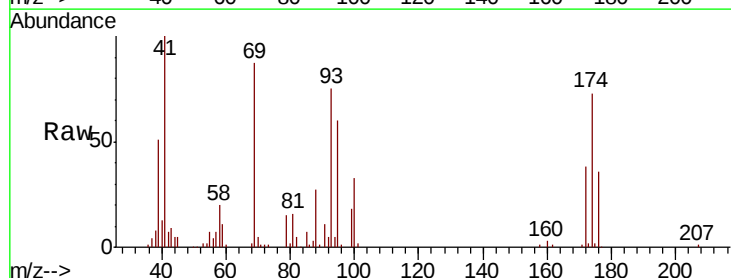
Tgt Ion: 93 Resp: 55143

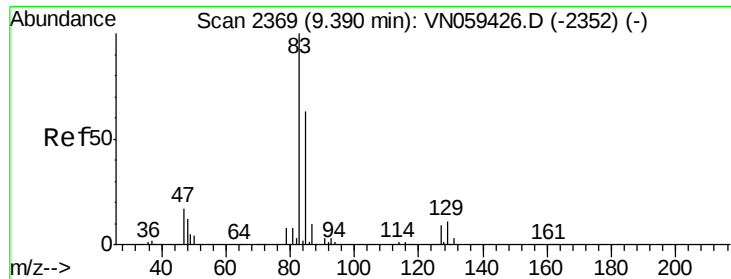
Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.4

174 101.1 81.8 122.8





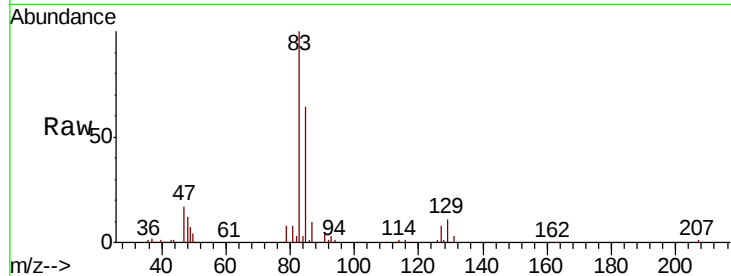
#47
Bromodichloromethane
Concen: 20.982 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

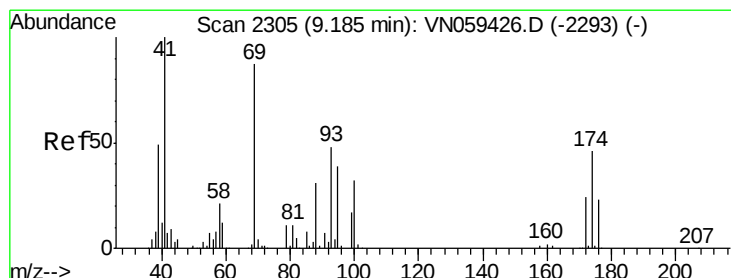
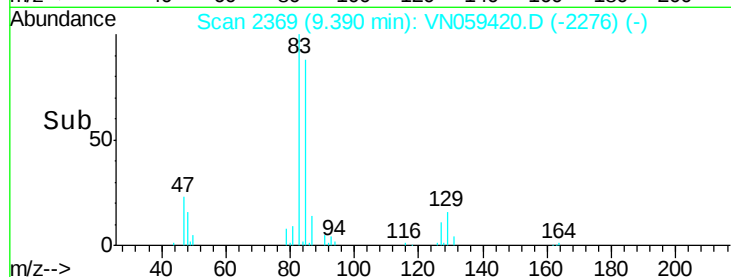
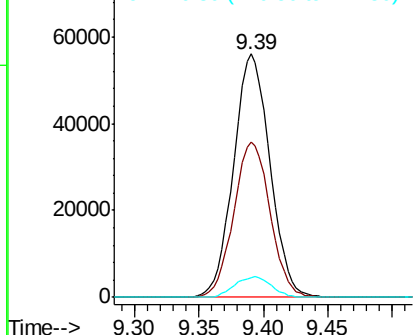
Tot Ion	83	Resp	109841
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.6	75.8
127	8.3	6.8	10.2

Manual Integrations
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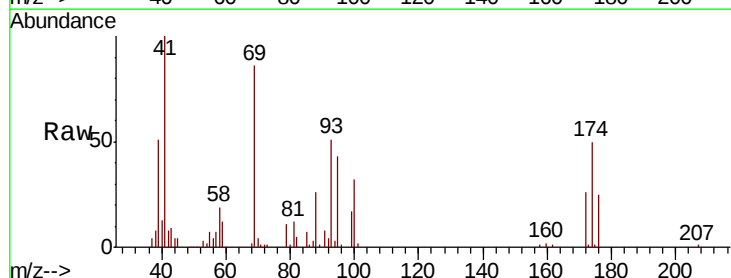


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

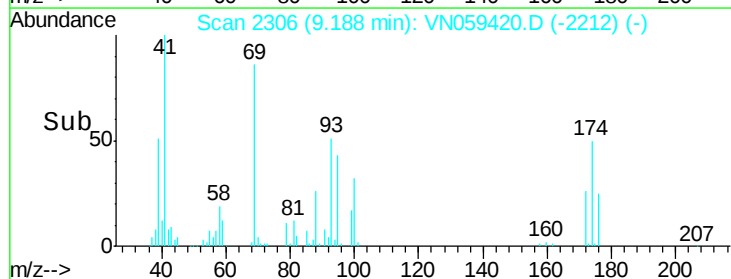
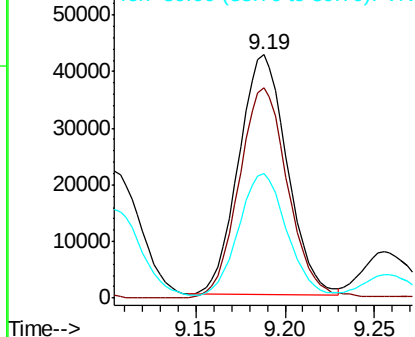


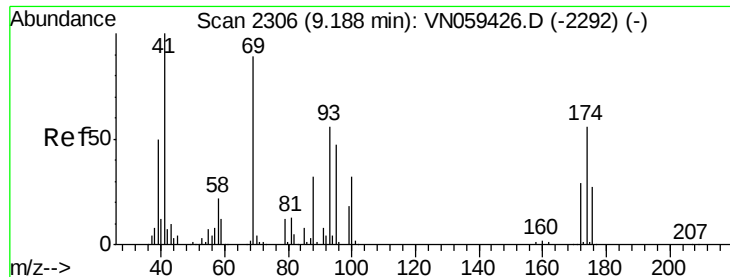
#48
Methyl methacrylate
Concen: 20.922 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	41	Resp	80572
Ion Ratio	100	Lower	Upper
41	100		
69	88.4	71.6	107.4
39	52.3	41.3	61.9



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





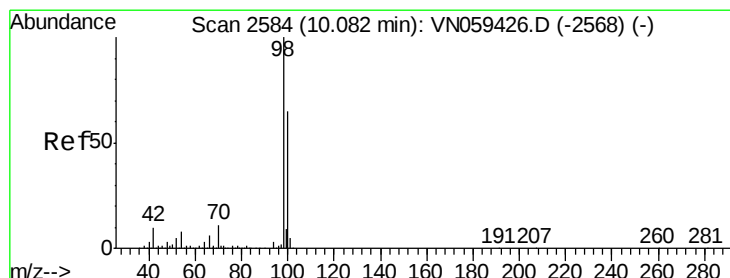
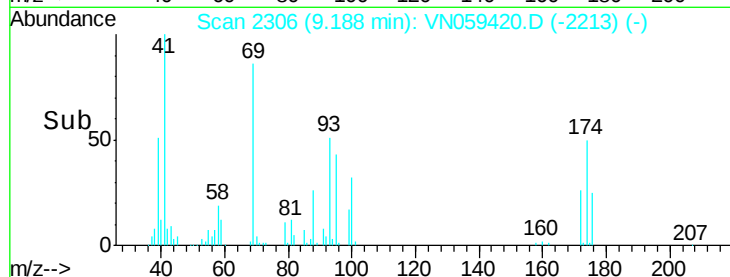
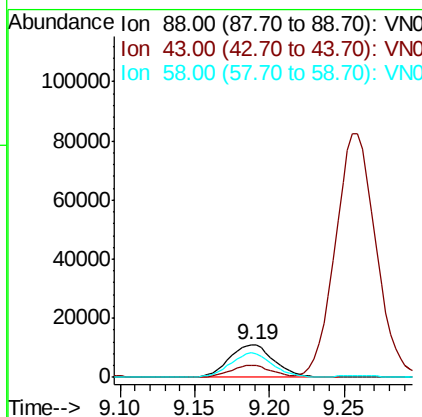
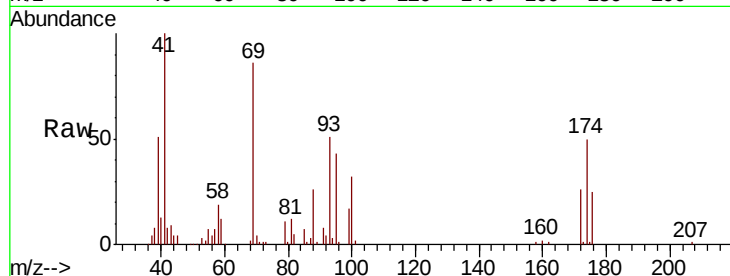
#49
1,4-Dioxane
Concen: 406.193 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	22846
Ion Ratio	100	Lower	Upper
88	100		
43	33.7	23.7	35.5
58	70.9	56.3	84.5

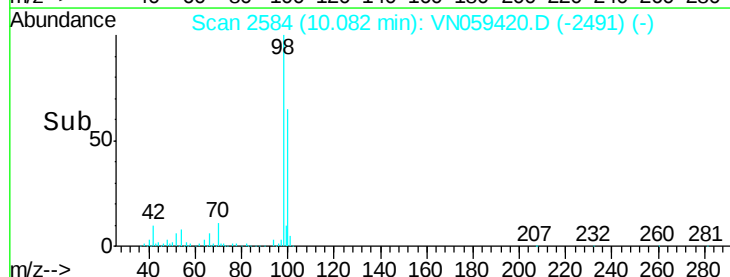
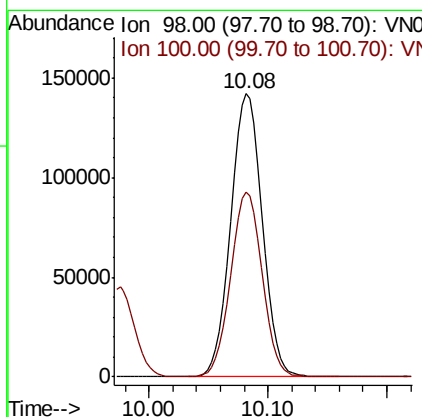
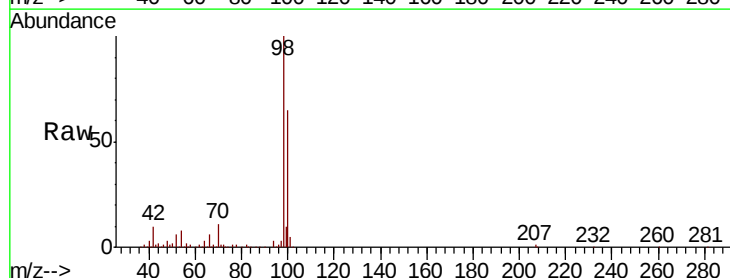
Manual Integrations
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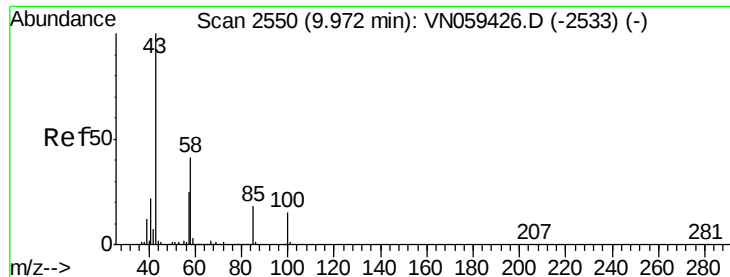
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#50
Toluene-d8
Concen: 19.181 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	98	Resp	261434
Ion Ratio	100	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 113.579 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 571853

Ion Ratio Lower Upper

43 100

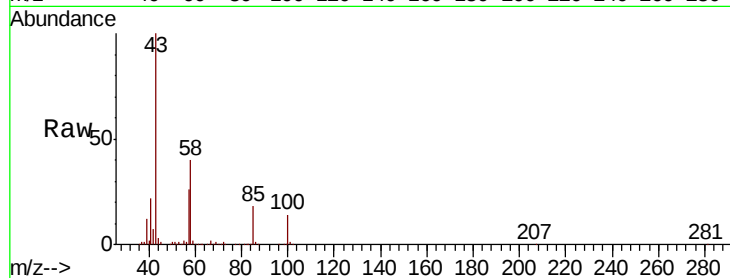
58 39.9 32.5 48.7

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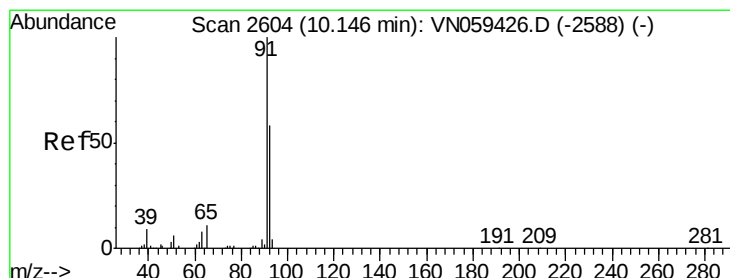
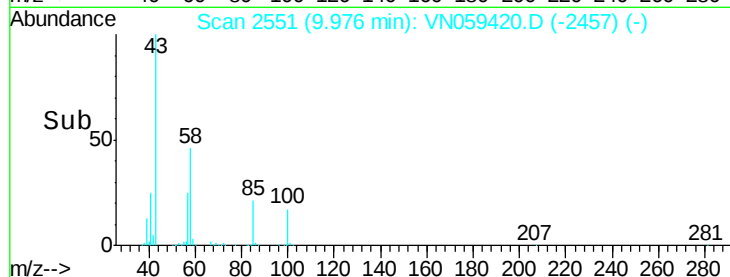
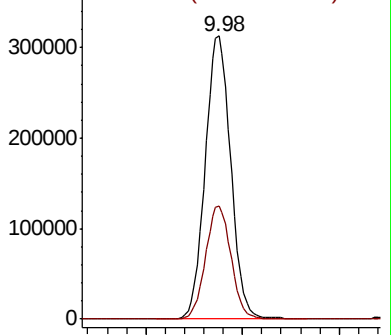
apatel

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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: 20.865 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059420.D

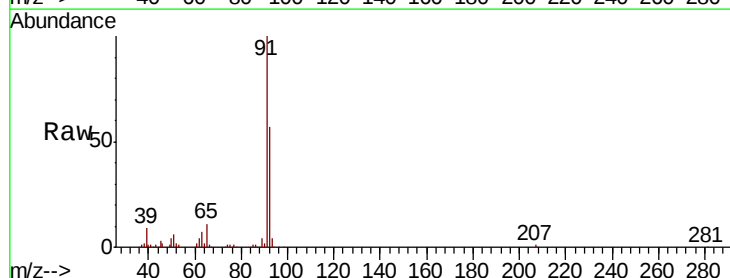
Acq: 27 Nov 2019 13:23

Tgt Ion: 92 Resp: 199880

Ion Ratio Lower Upper

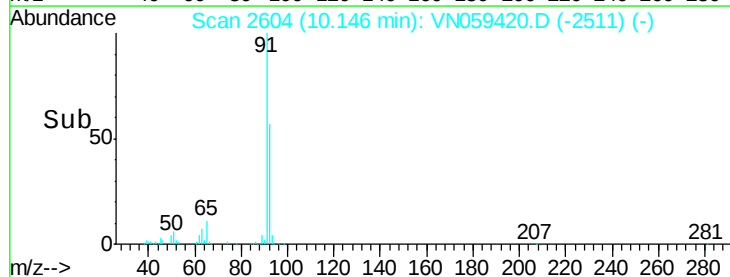
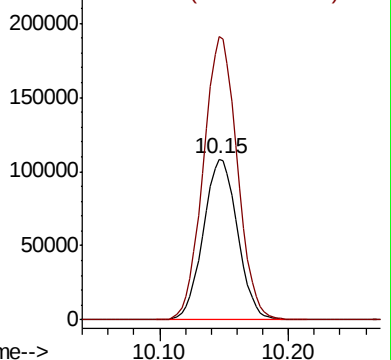
92 100

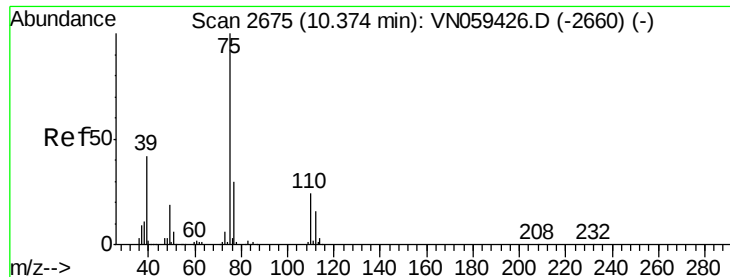
91 175.2 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 21.102 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 126933

Ion Ratio Lower Upper

75 100

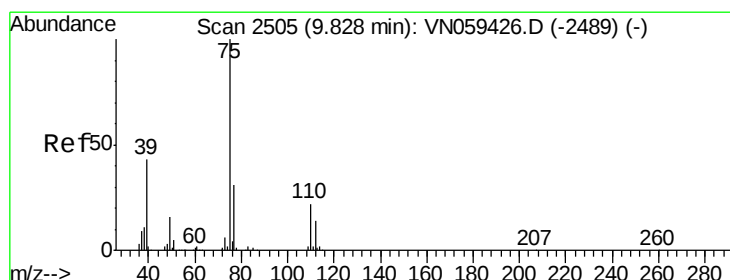
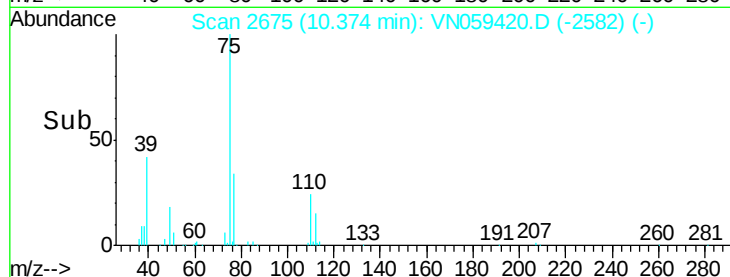
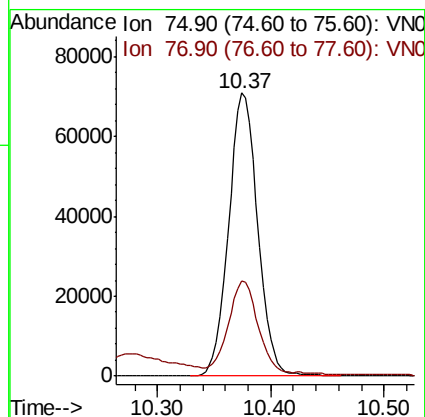
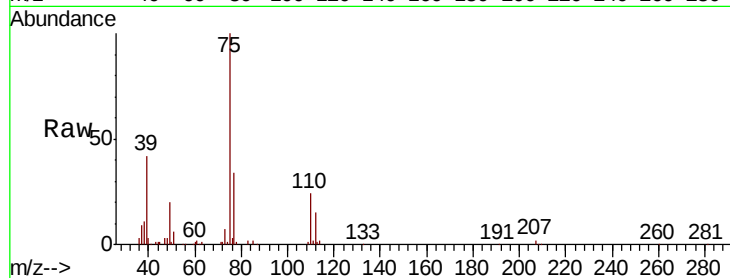
77 32.7 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.236 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

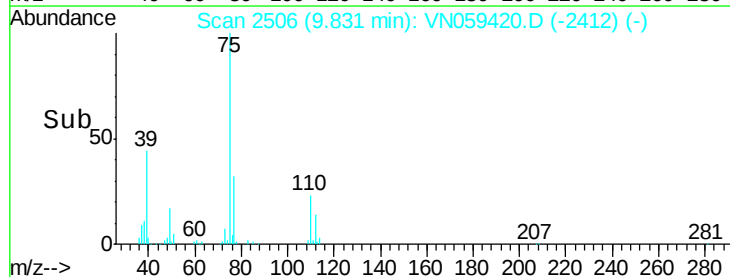
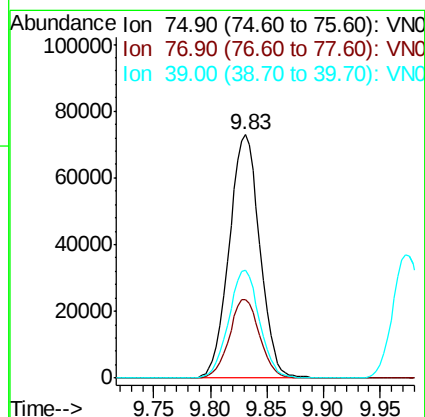
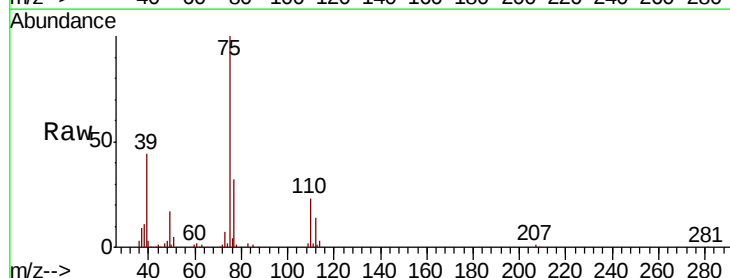
Tgt Ion: 75 Resp: 137896

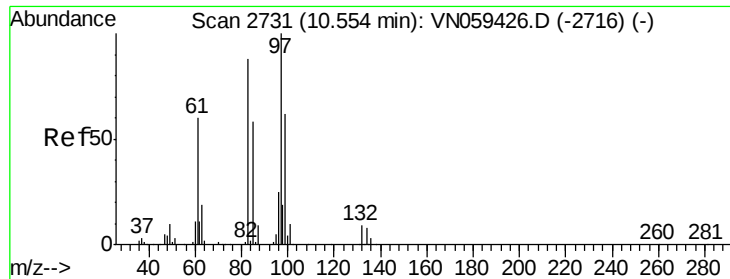
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 44.3 34.0 51.0





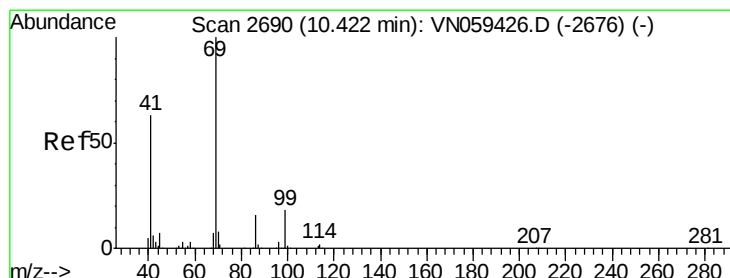
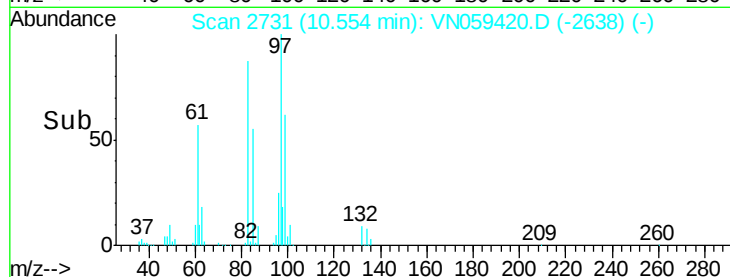
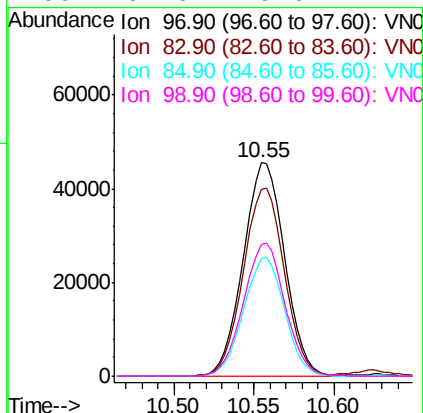
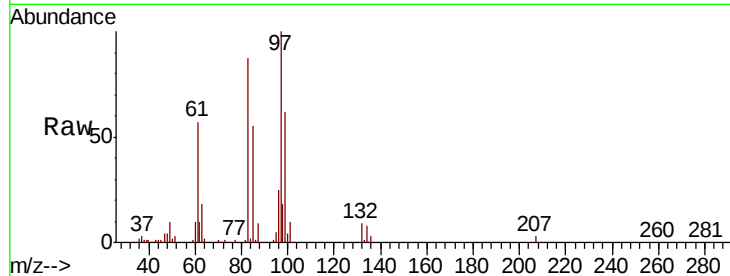
#55
 1,1,2-Trichloroethane
 Concen: 21.597 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	80980
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.7	106.1
85	55.1	46.4	69.6
99	61.6	49.6	74.4

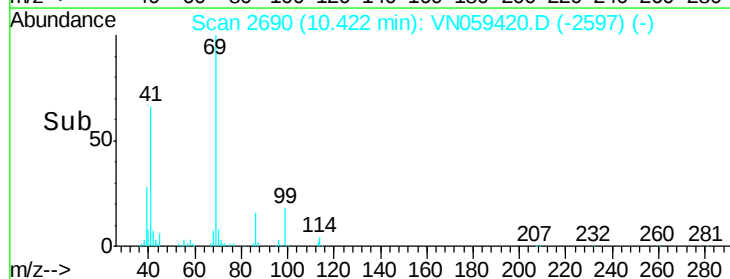
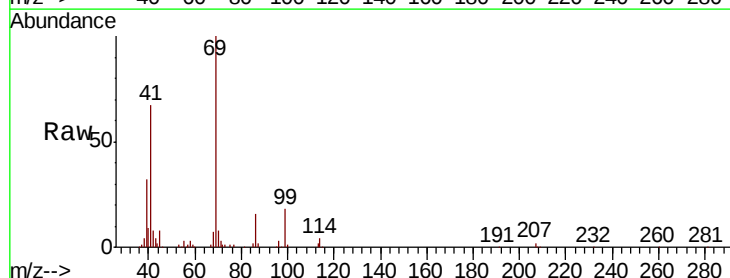
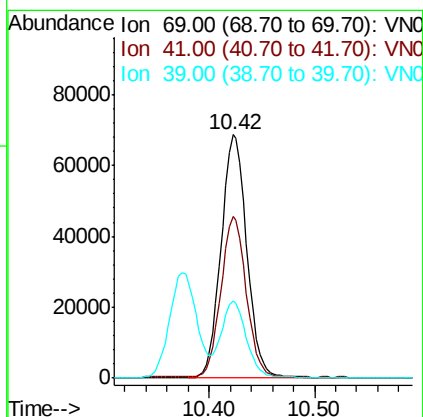
Manual Integrations
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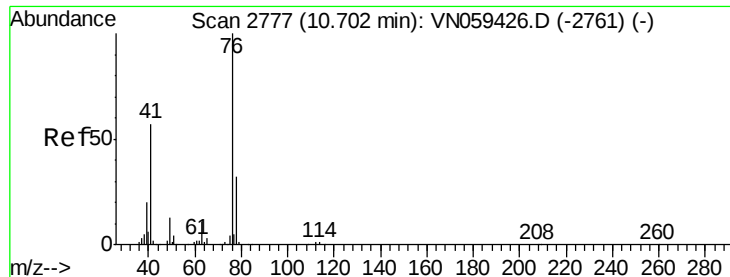
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#56
 Ethyl methacrylate
 Concen: 21.239 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Tgt Ion:	69	Resp:	116164
Ion	Ratio	Lower	Upper
69	100		
41	64.4	50.1	75.1
39	30.5	23.9	35.9





#57

1,3-Dichloropropane

Concen: 21.280 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 137911

Ion Ratio Lower Upper

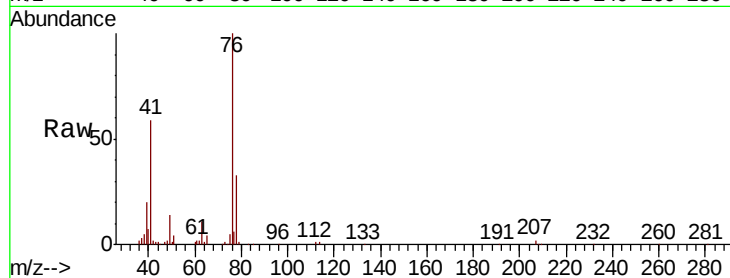
76 100

78 32.2 25.5 38.3

Manual Integrations
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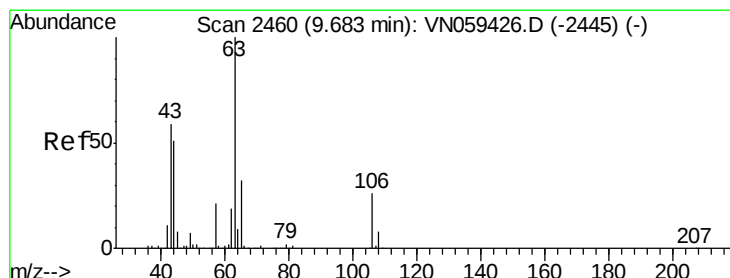
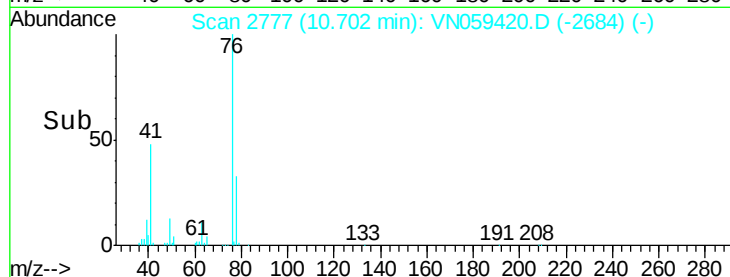
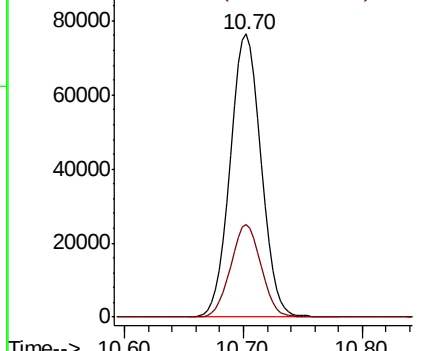
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 124.110 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059420.D

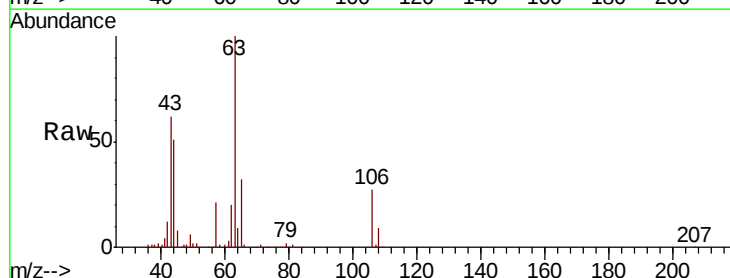
Acq: 27 Nov 2019 13:23

Tgt Ion: 63 Resp: 199392

Ion Ratio Lower Upper

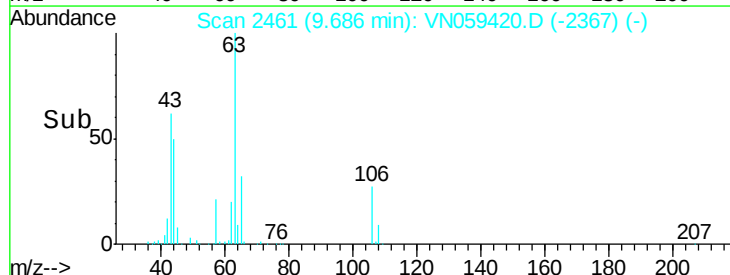
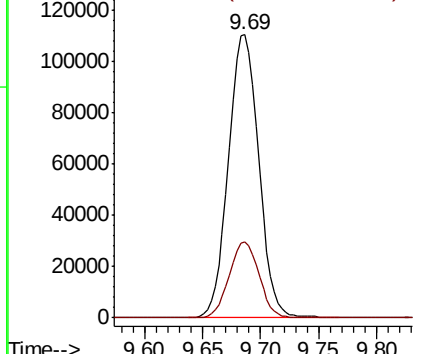
63 100

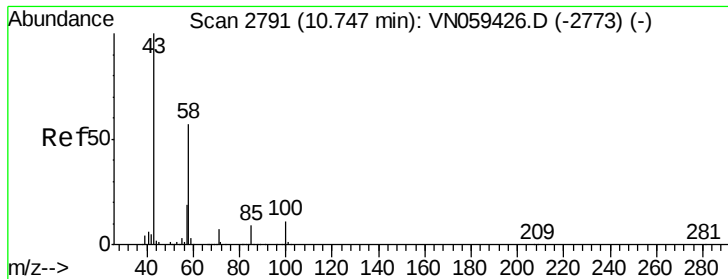
106 26.4 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





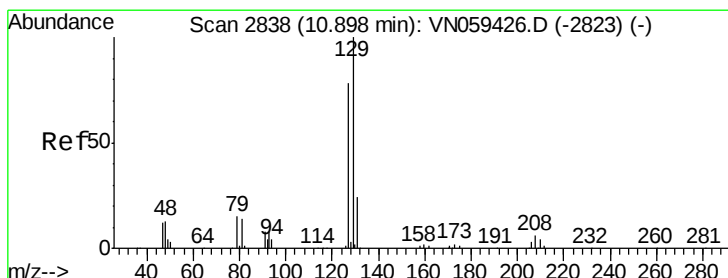
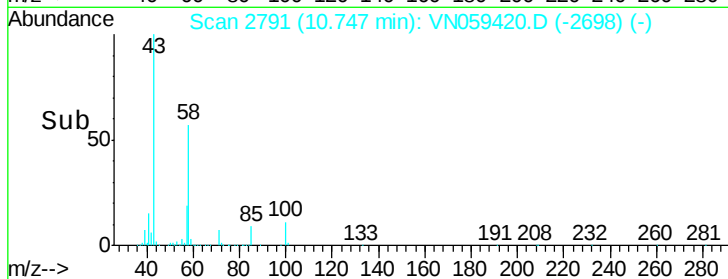
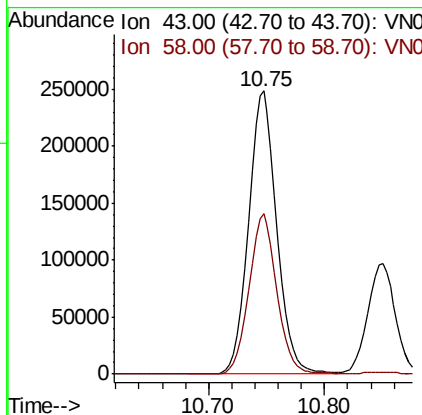
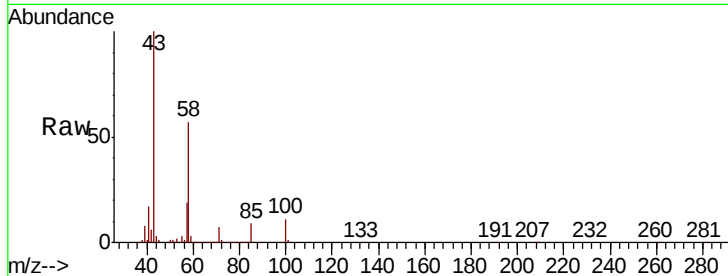
#59
2-Hexanone
Concen: 112.385 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 419583
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0

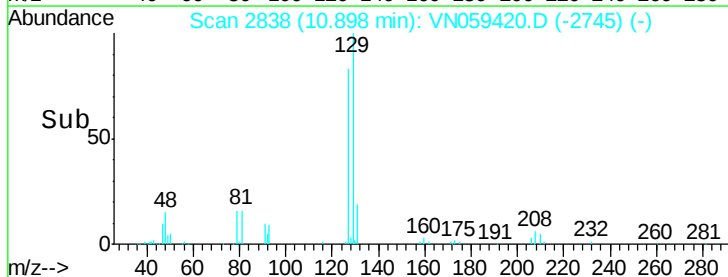
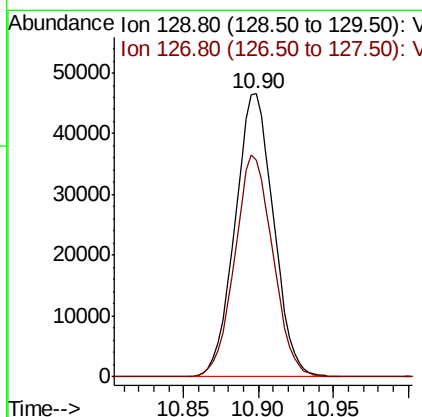
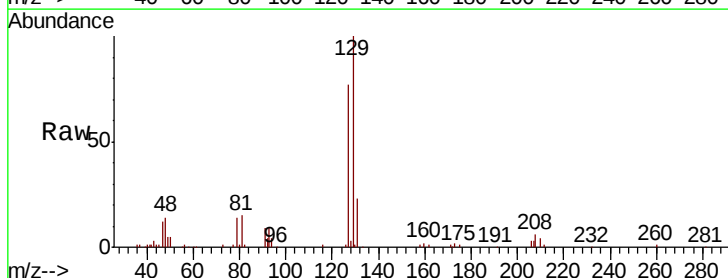
Manual Integrations
APPROVED

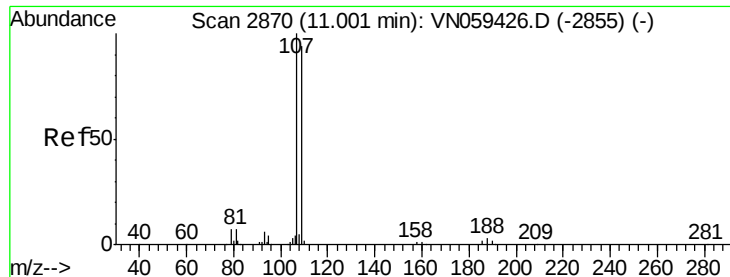
apatel
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#60
Dibromochloromethane
Concen: 21.340 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion:129 Resp: 83524
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.250 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 81649

Ion Ratio Lower Upper

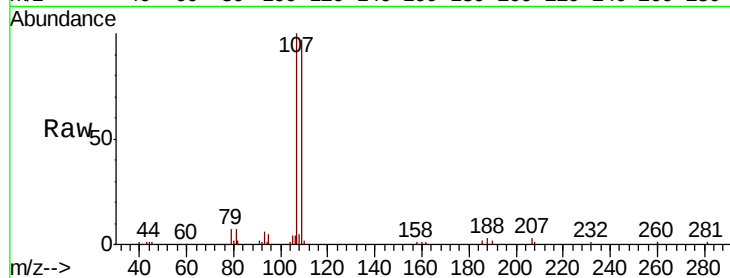
107 100

109 94.9 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

50000

40000

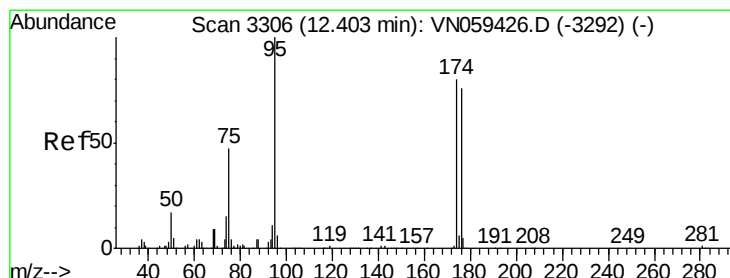
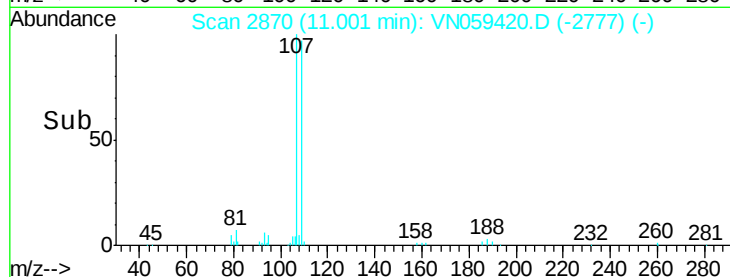
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.010 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

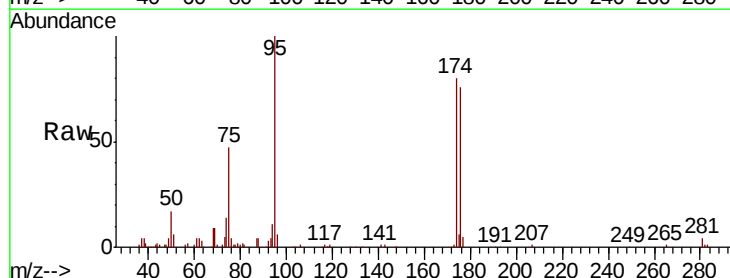
Tgt Ion: 95 Resp: 90218

Ion Ratio Lower Upper

95 100

174 81.1 0.0 158.0

176 77.3 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

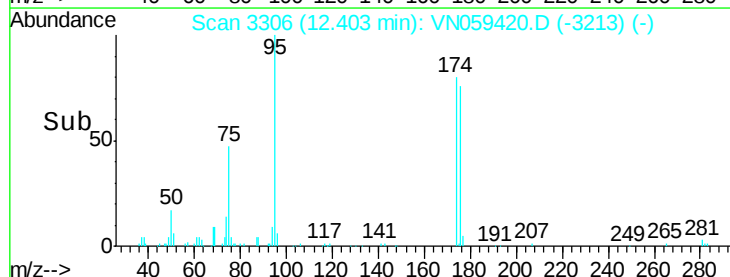
60000

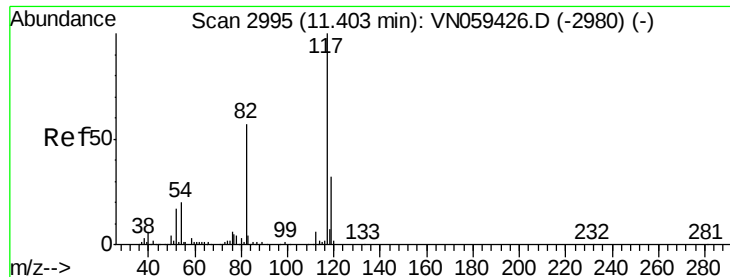
40000

20000

0

Time--> 12.35 12.40 12.45





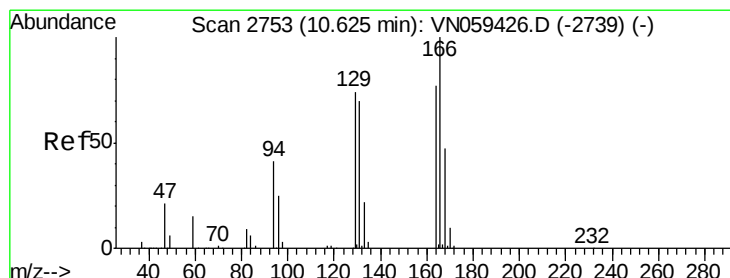
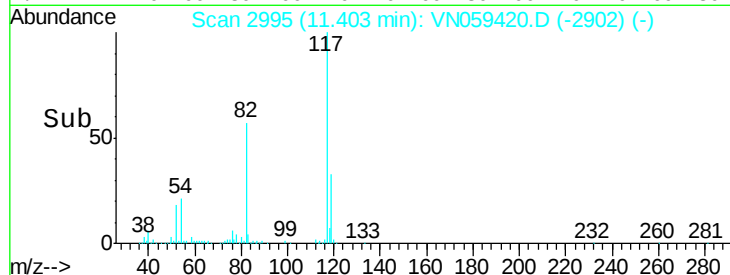
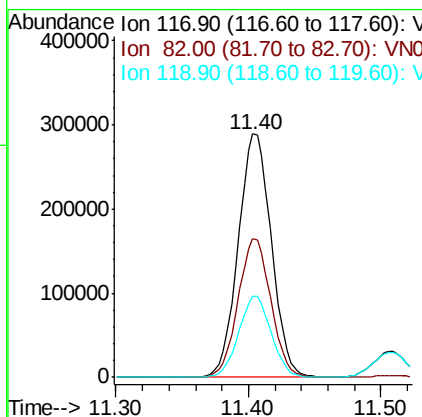
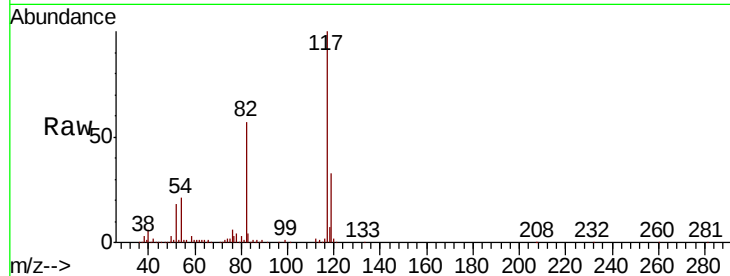
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	502173		
82	56.8		45.4	68.0
119	33.1		25.6	38.4

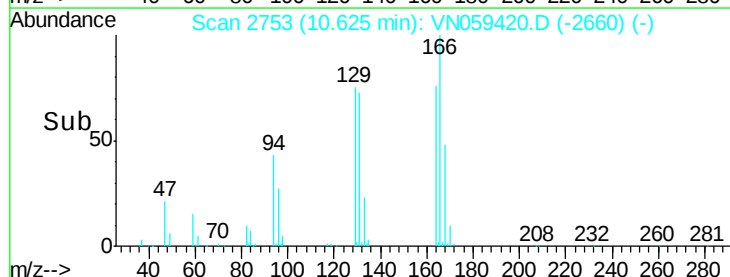
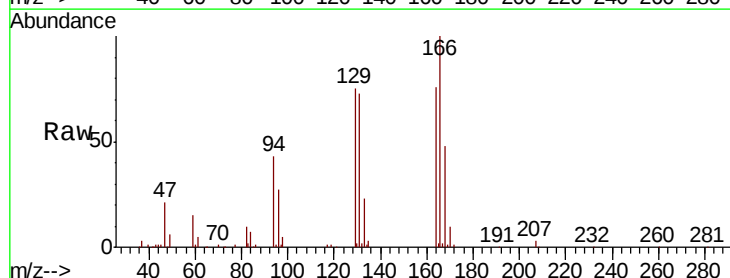
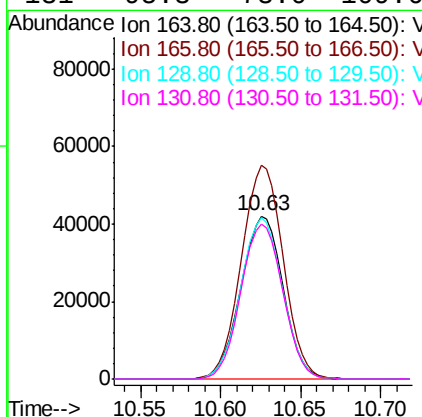
Manual Integrations
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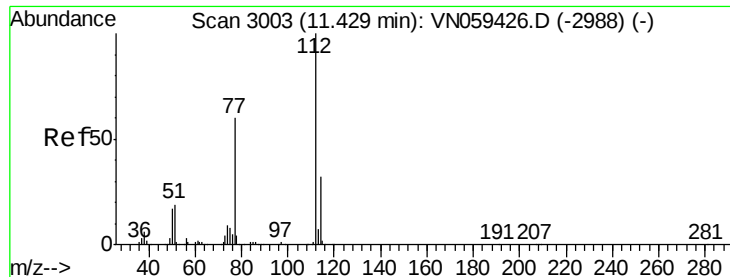
apatel
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#64
Tetrachloroethene
Concen: 20.410 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75810		
166	131.2		104.2	156.4
129	98.9		76.8	115.2
131	95.3		73.0	109.6





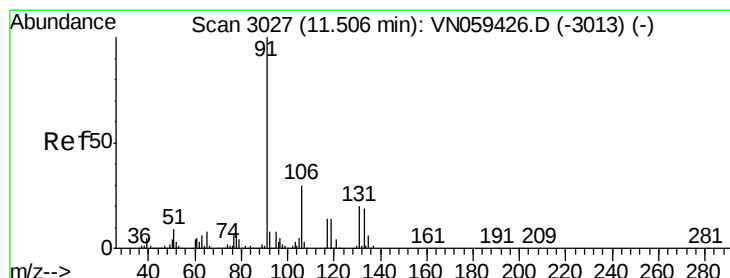
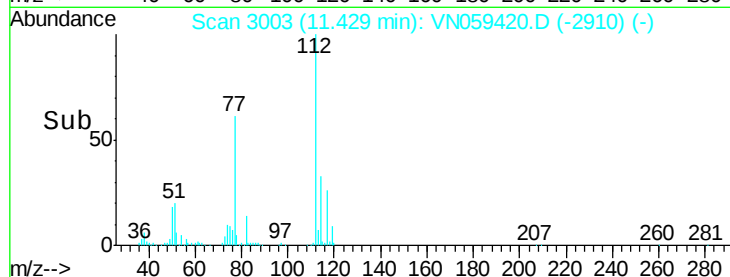
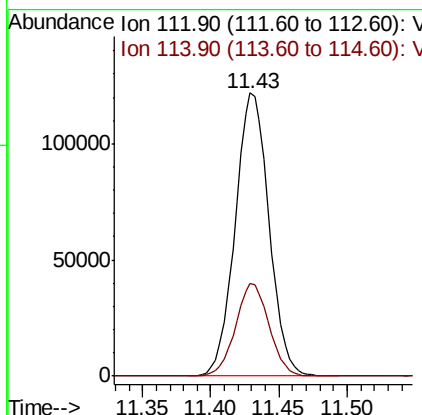
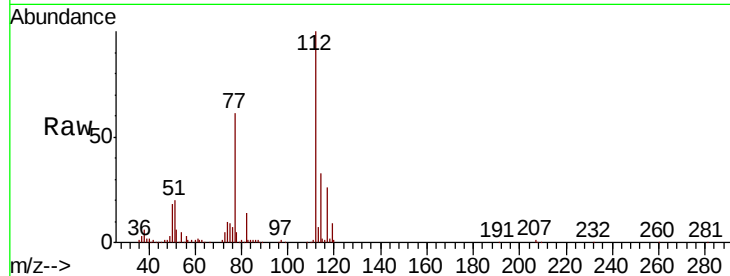
#65
Chlorobenzene
Concen: 20.596 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 209385
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2

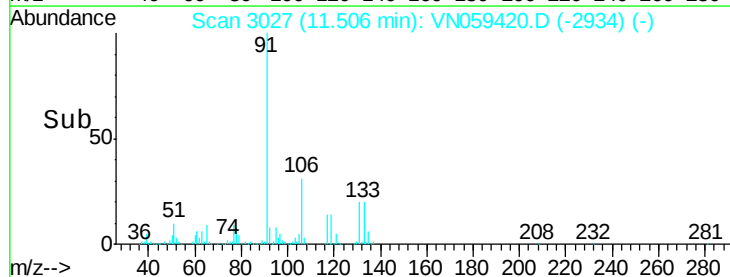
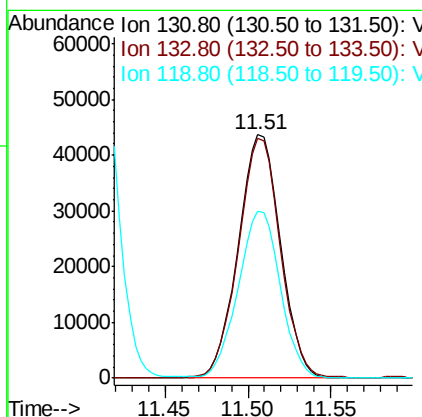
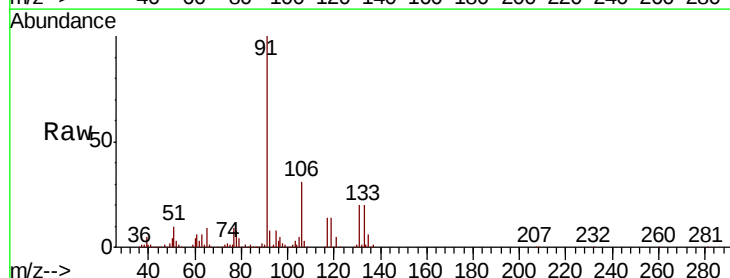
Manual Integrations
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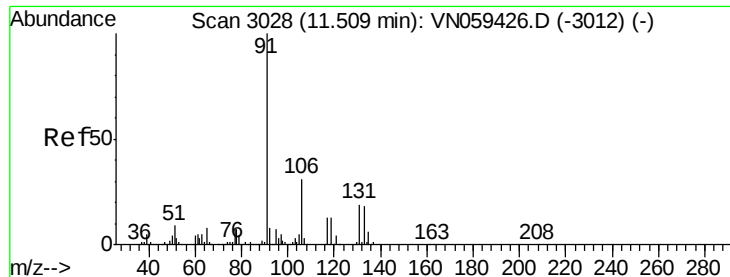
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.983 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion:131 Resp: 77357
Ion Ratio Lower Upper
131 100
133 98.2 48.2 144.6
119 68.5 33.8 101.3





#67

Ethyl Benzene

Concen: 21.262 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 379678

Ion Ratio Lower Upper

91 100

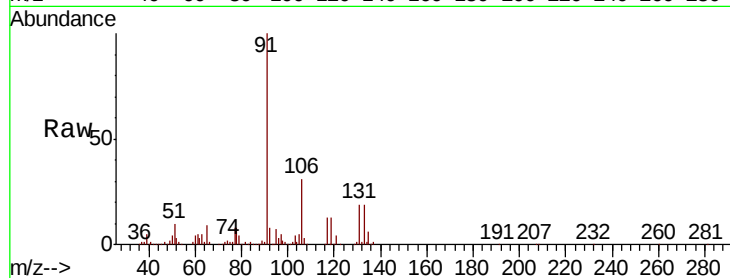
106 31.3 24.7 37.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059426.D (-3012) (-)

300000

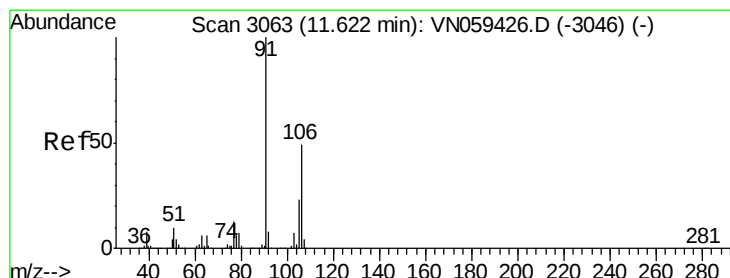
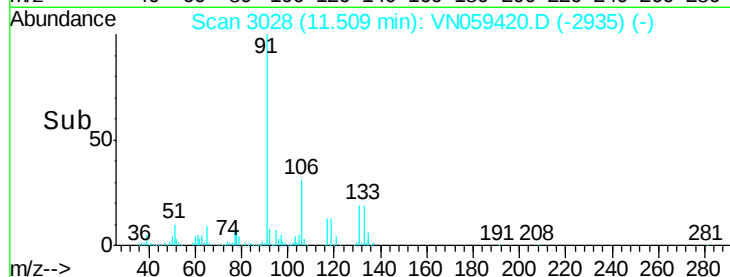
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 42.690 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059420.D

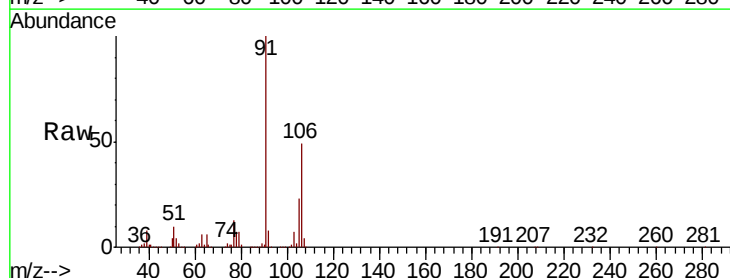
Acq: 27 Nov 2019 13:23

Tgt Ion: 106 Resp: 284612

Ion Ratio Lower Upper

106 100

91 203.8 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): VN059426.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059426.D (-3046) (-)

300000

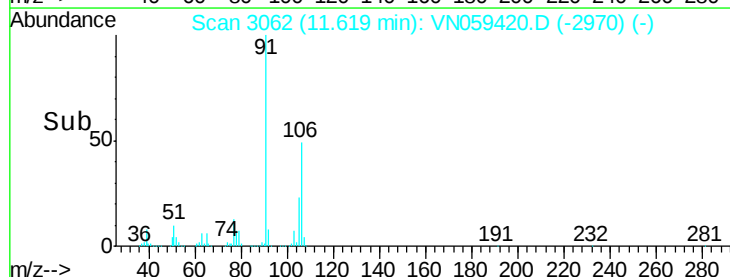
200000

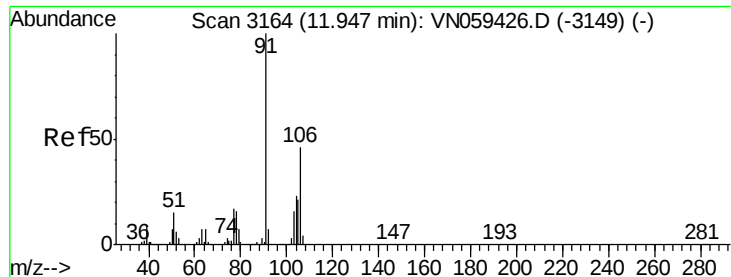
100000

0

11.60 11.62 11.70

Time-->





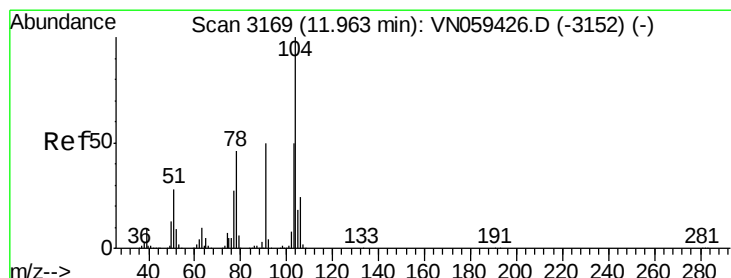
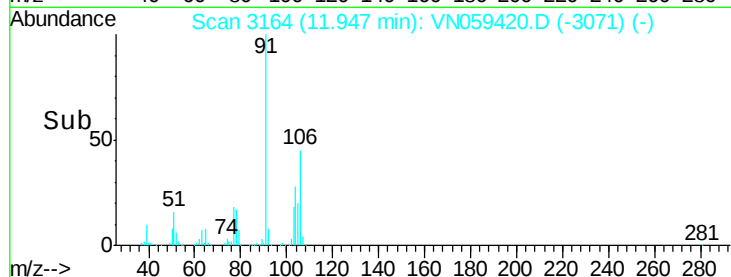
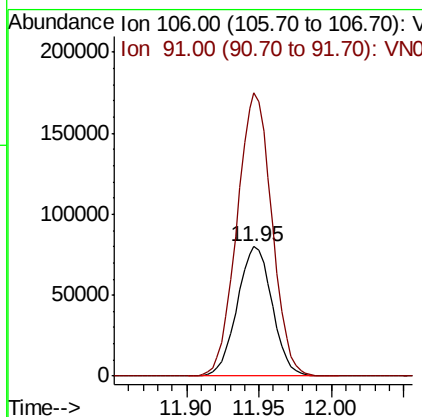
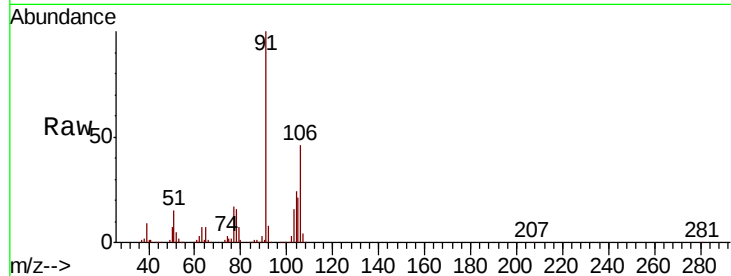
#69
o-Xylene
Concen: 20.961 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.1	107.5	322.4

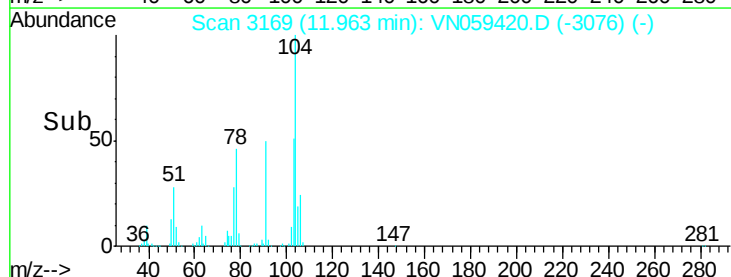
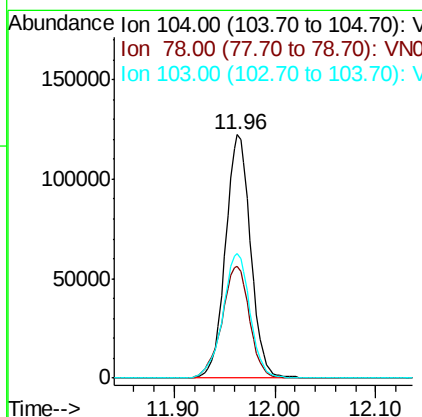
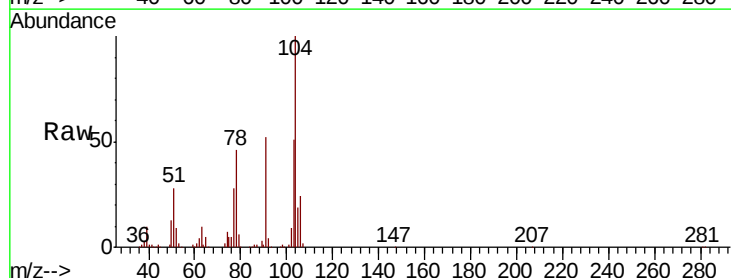
Manual Integrations
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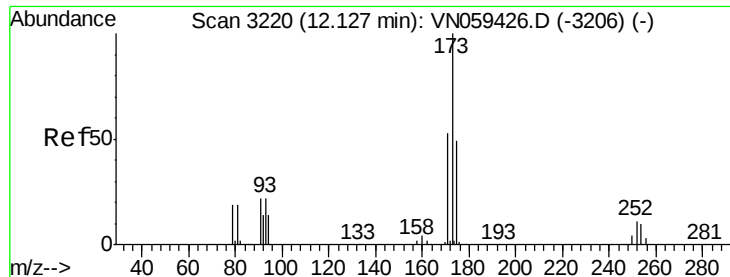
apatel
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#70
Styrene
Concen: 21.257 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.4	60.6
103	55.3	43.8	65.6





#71

Bromoform

Concen: 21.007 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 58970

Ion Ratio Lower Upper

173 100

175 49.8 24.1 72.3

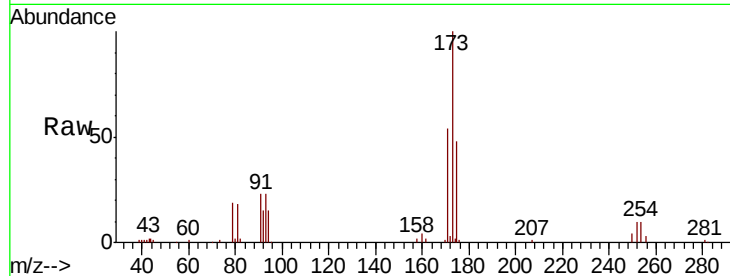
254 0.0 0.0 0.0

Manual Integrations

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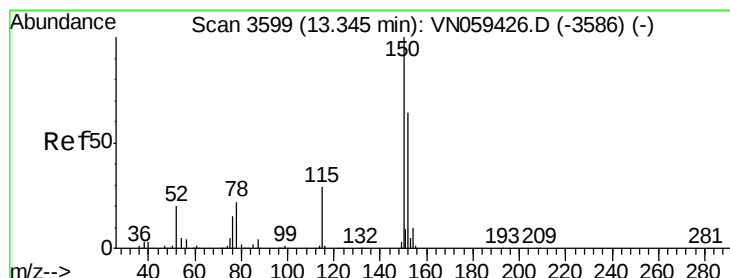
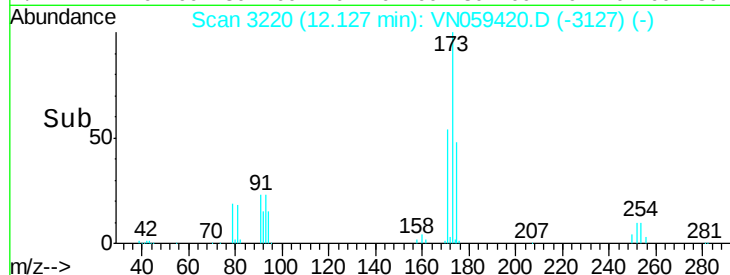
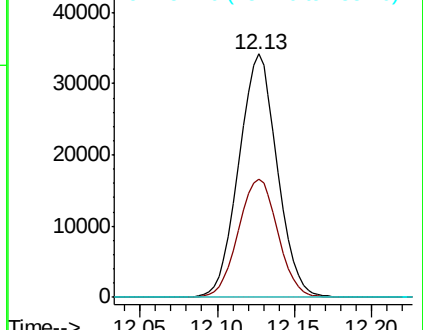
12/2/2019 10:08:47 AM



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: VN059420.D

Acq: 27 Nov 2019 13:23

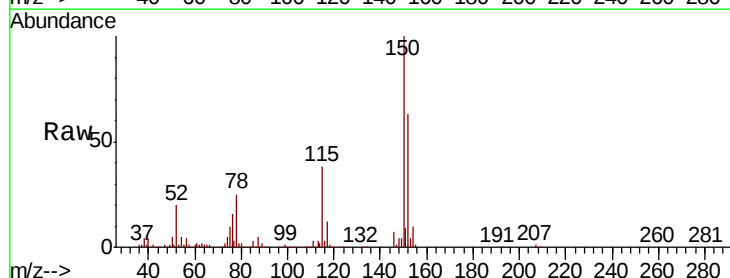
Tgt Ion:152 Resp: 233580

Ion Ratio Lower Upper

152 100

115 59.1 29.5 88.6

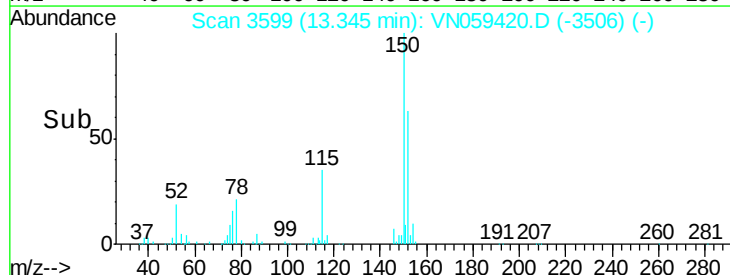
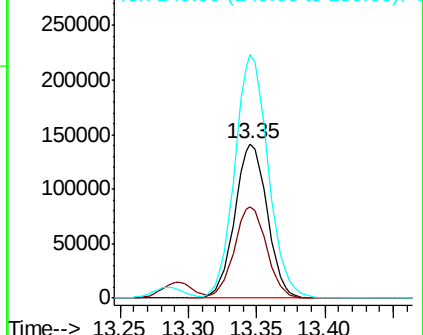
150 162.5 0.0 347.2

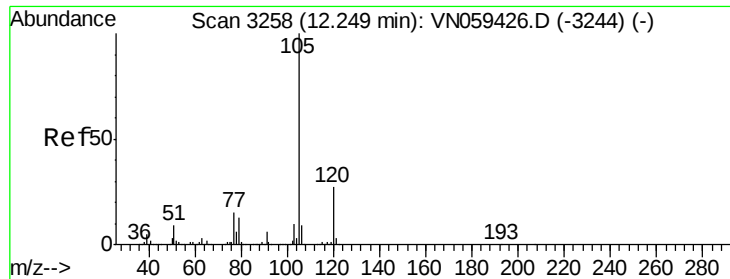


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





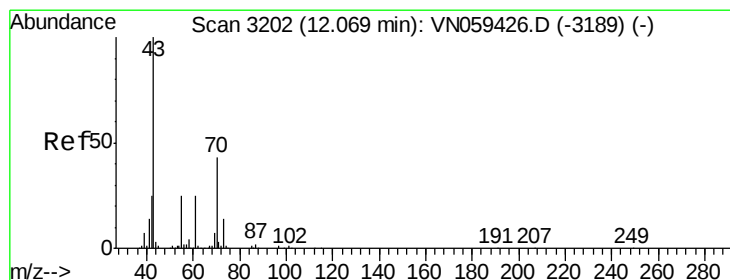
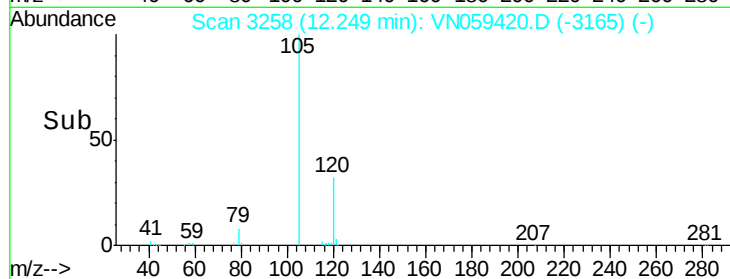
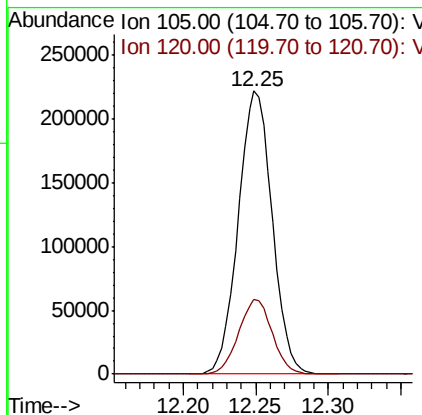
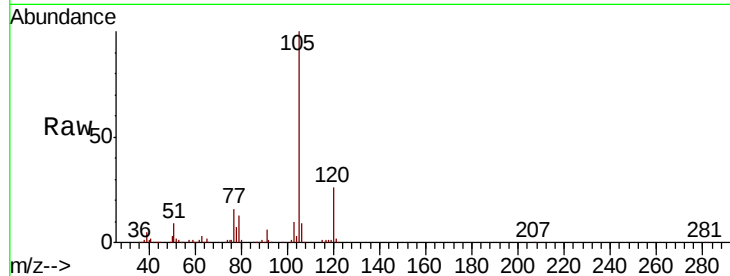
#73
Isopropylbenzene
Concen: 20.823 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

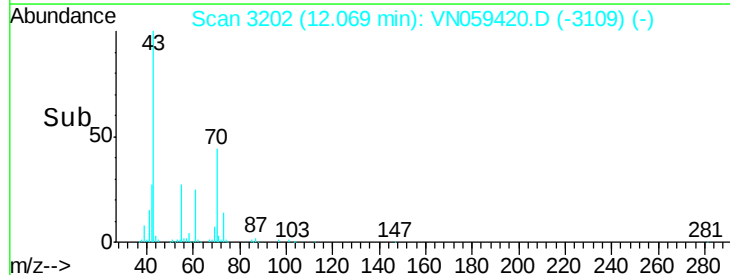
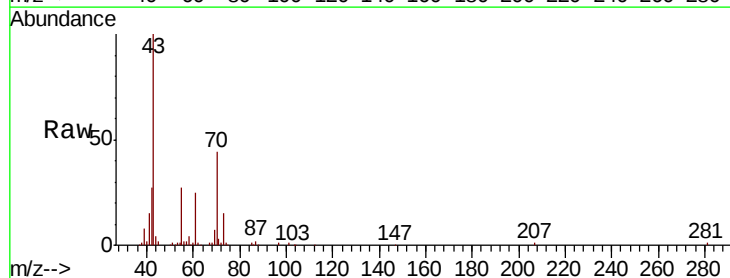
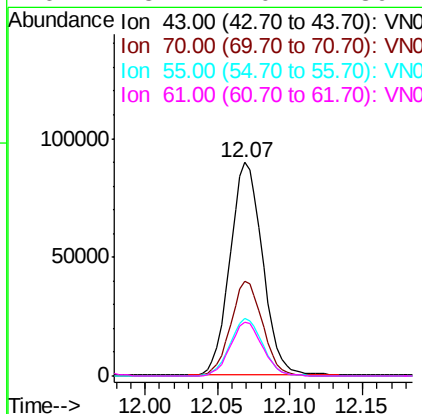
Manual Integrations
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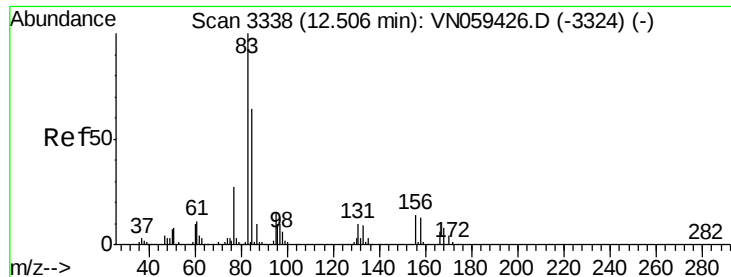
apatel
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#74
N-ethyl acetate
Concen: 21.419 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.6	52.0
55	27.1	20.5	30.7
61	25.1	20.2	30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.195 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

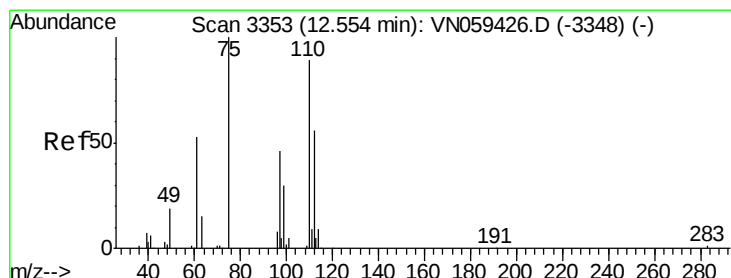
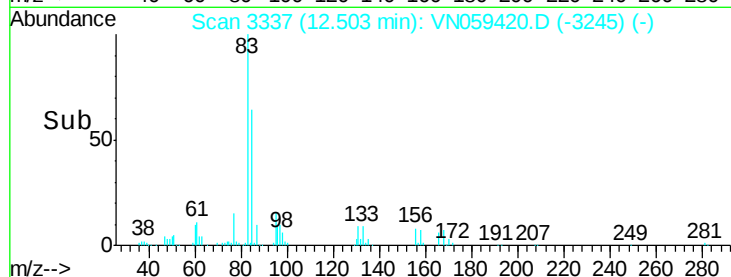
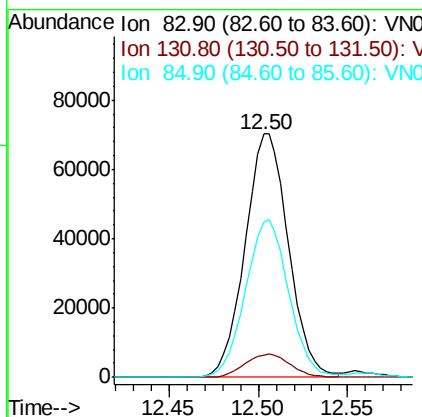
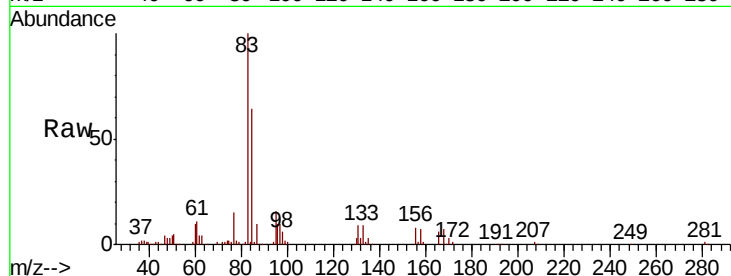
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	119604
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	64.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.994 ug/l m

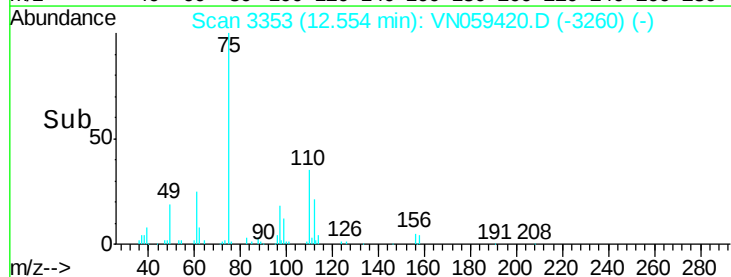
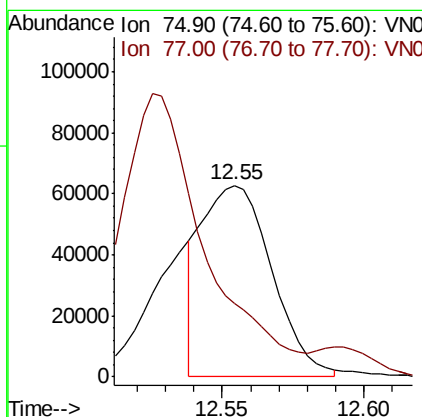
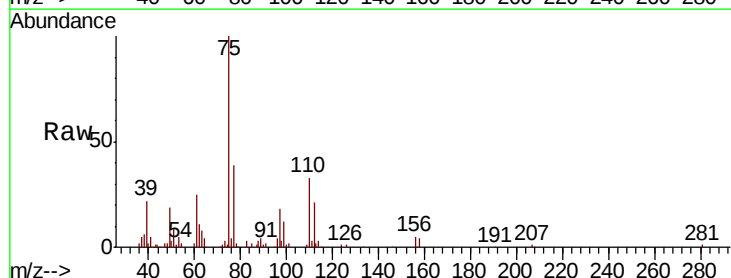
RT: 12.55 min Scan# 3353

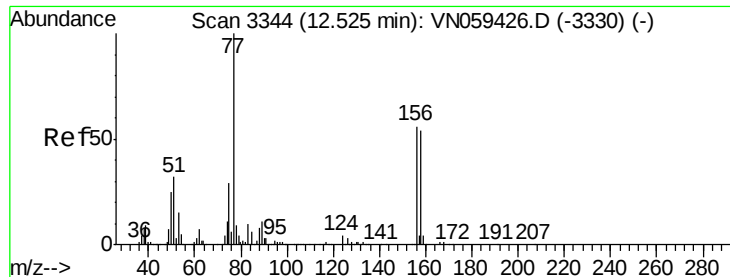
Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Tgt Ion:	75	Resp:	107885
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.676 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 87594

Ion Ratio Lower Upper

156 100

77 221.9 108.7 326.3

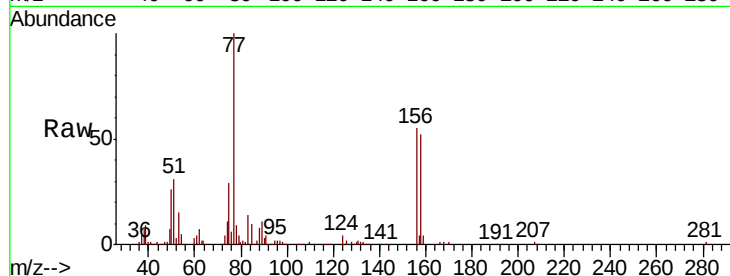
158 95.6 48.3 144.9

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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

120000

100000

80000

60000

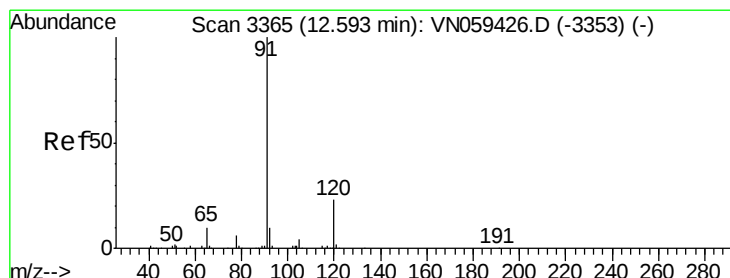
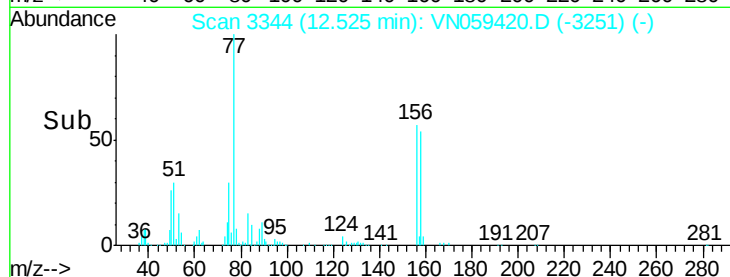
40000

20000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 20.897 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059420.D

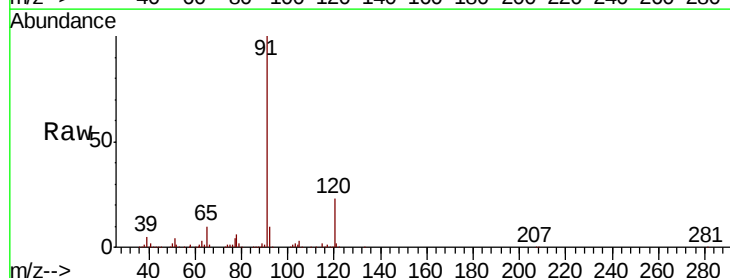
Acq: 27 Nov 2019 13:23

Tgt Ion: 91 Resp: 416699

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

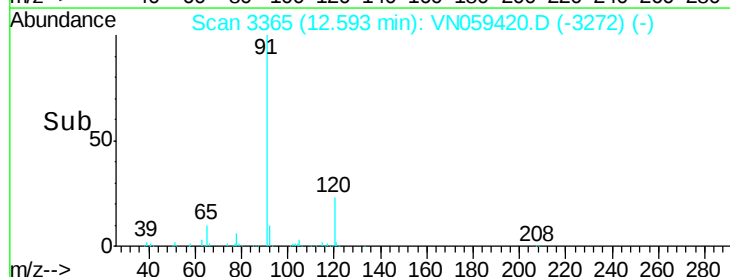
100000

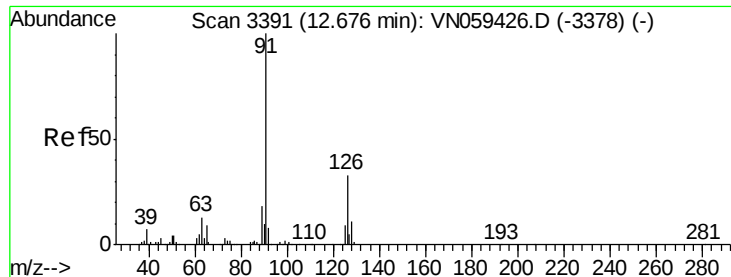
50000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 20.734 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 247181

Ion Ratio Lower Upper

91 100

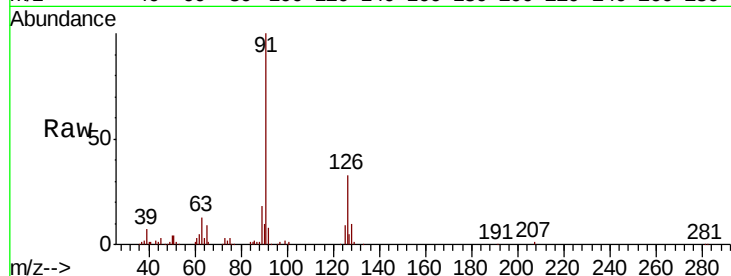
126 33.9 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059420.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059420.D (-3378) (-)

250000

200000

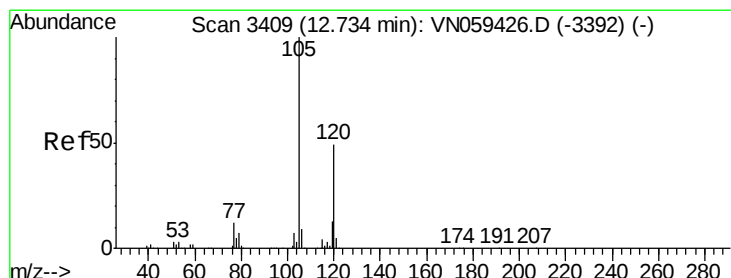
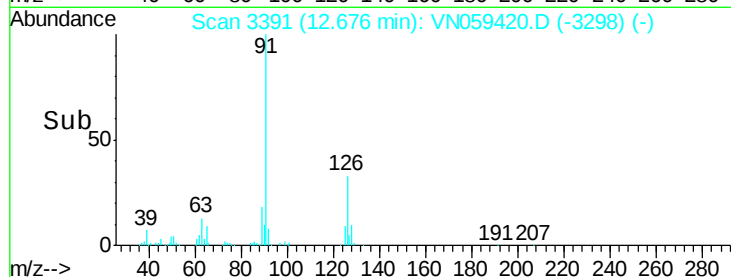
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 21.092 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059420.D

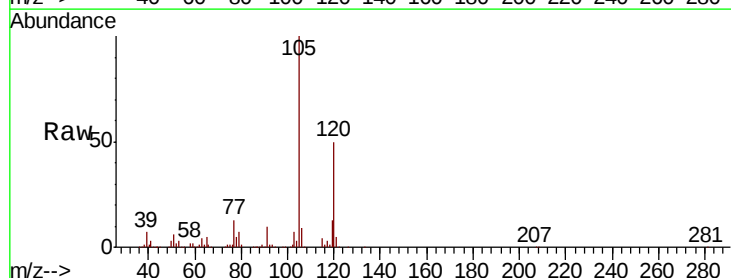
Acq: 27 Nov 2019 13:23

Tgt Ion: 105 Resp: 306794

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059420.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN059420.D (-3392) (-)

200000

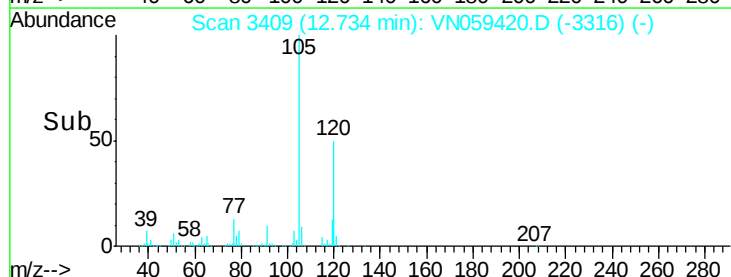
150000

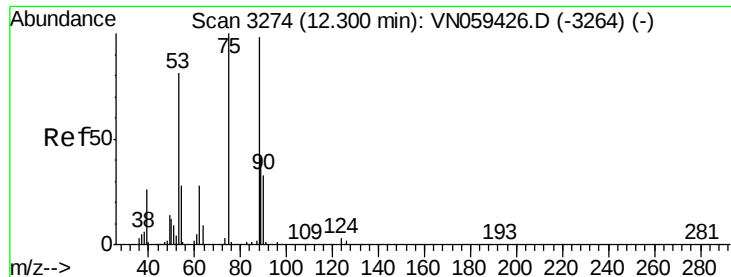
100000

50000

0

Time--> 12.70 12.80





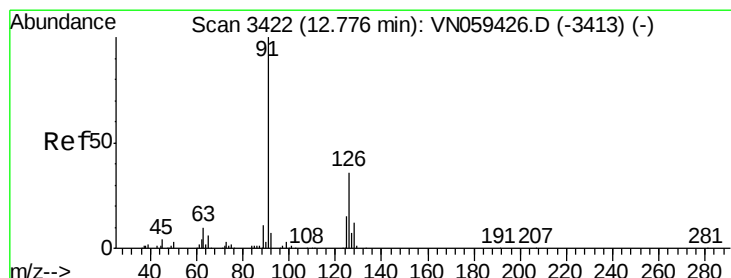
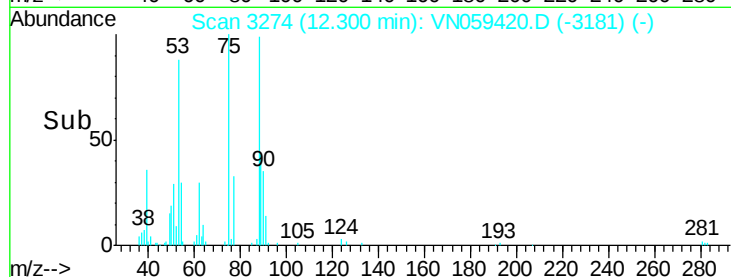
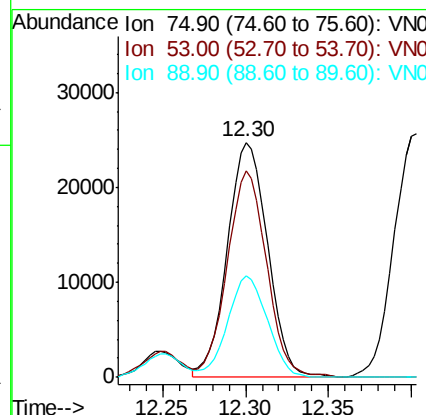
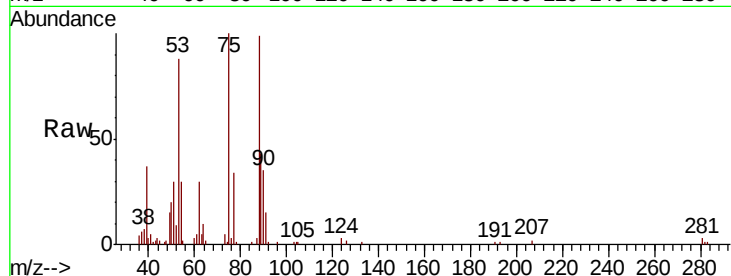
#81
trans-1,4-Dichloro-2-butene
Concen: 20.344 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	66.2	99.4
89	42.4	33.9	50.9

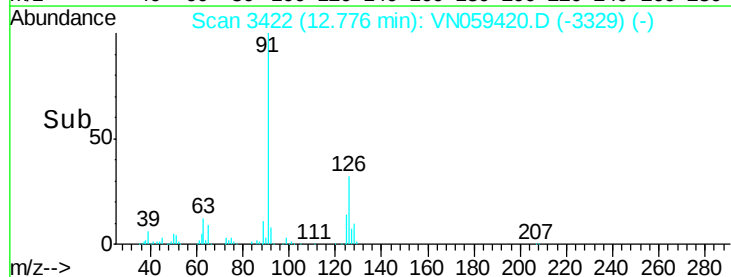
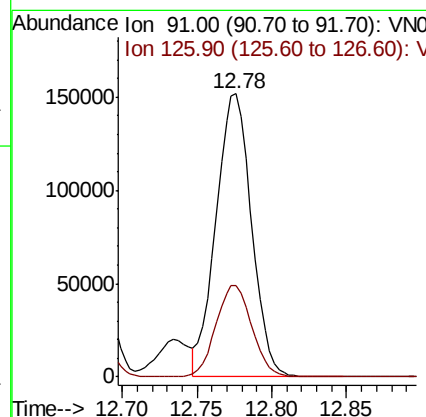
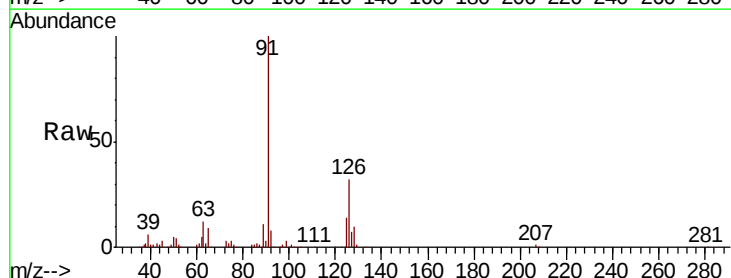
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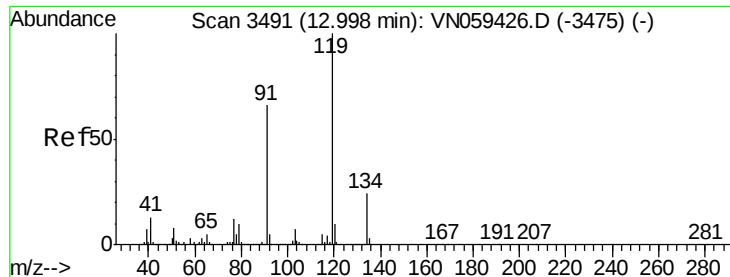
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#82
4-Chlorotoluene
Concen: 20.378 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.7	50.0





#83

tert-Butylbenzene

Concen: 20.756 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

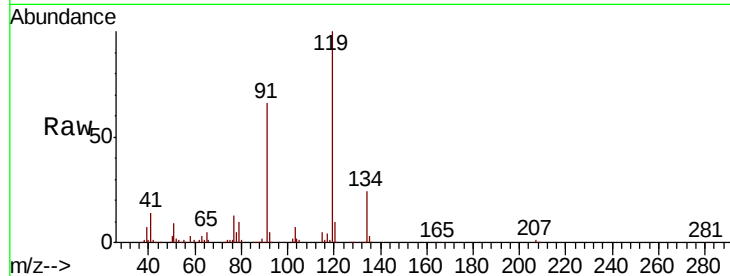
ClientSampled :

VSTDIC020

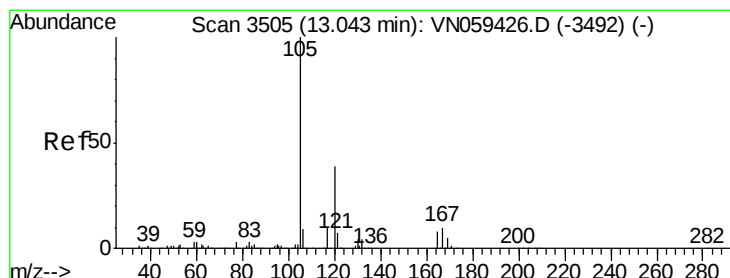
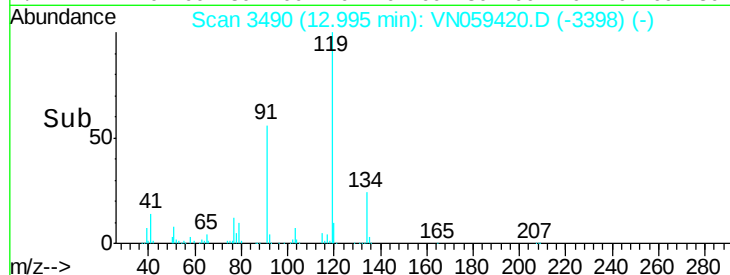
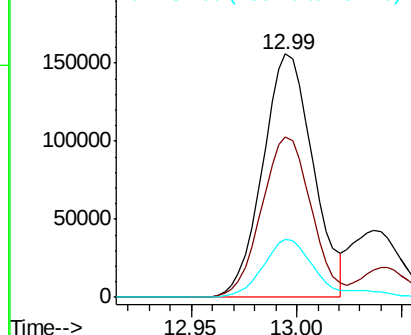
Tot Ion:	119	Resp:	259234
Ion Ratio	Lower	Upper	
119	100		
91	65.3	32.8	98.4
134	23.4	12.9	38.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.050 ug/l

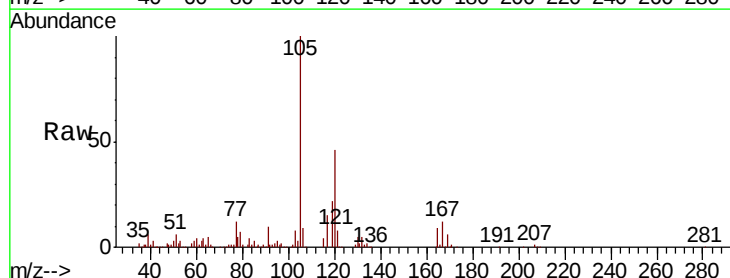
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

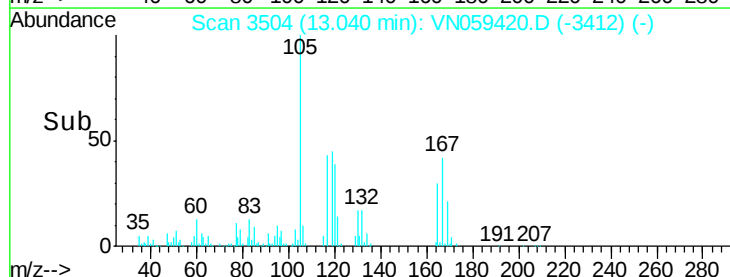
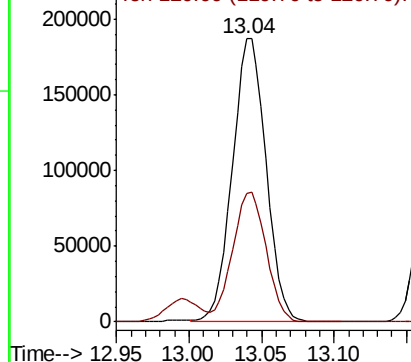
Lab File: VN059420.D

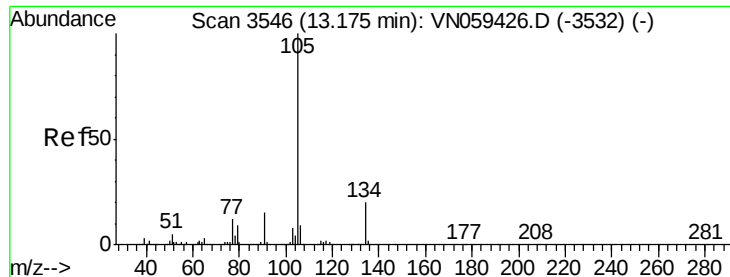
Acq: 27 Nov 2019 13:23

Tgt Ion:	105	Resp:	299940
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.908 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 346778

Ion Ratio Lower Upper

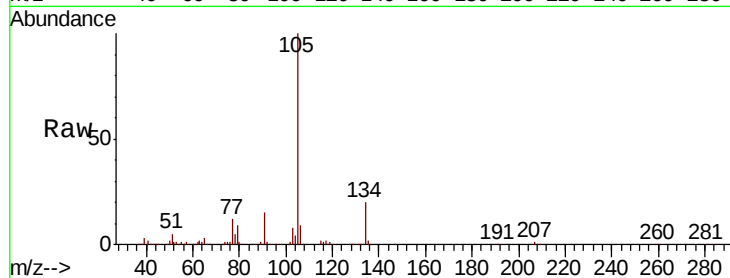
105 100

134 19.9 9.9 29.7

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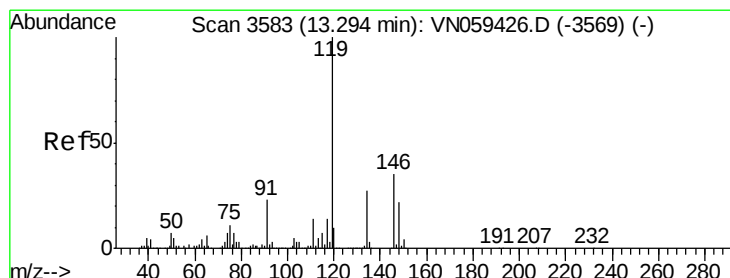
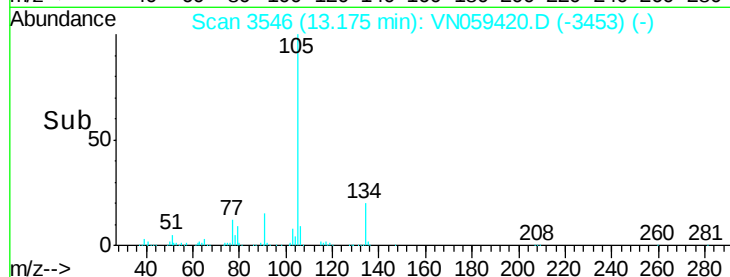
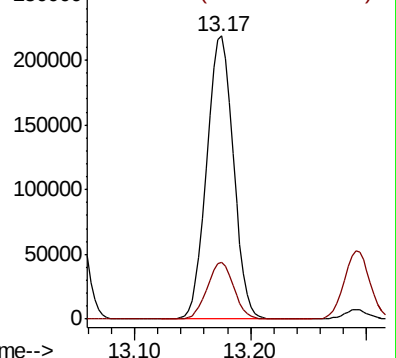
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.685 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

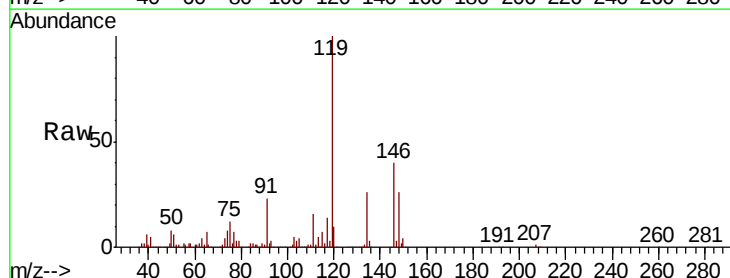
Tgt Ion:119 Resp: 310162

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

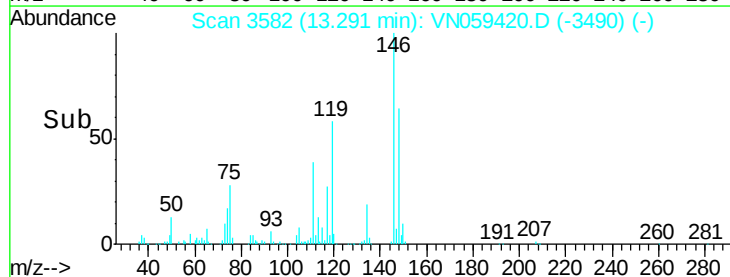
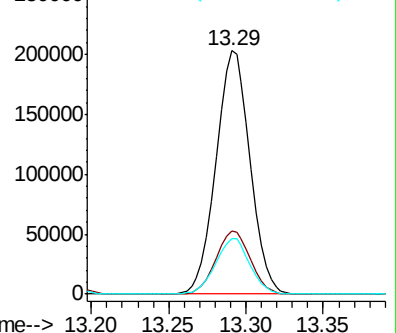
91 23.2 11.5 34.4

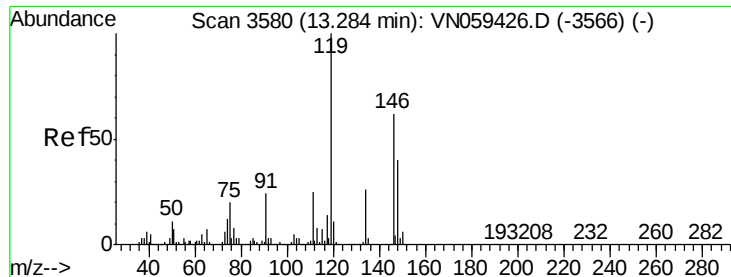


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





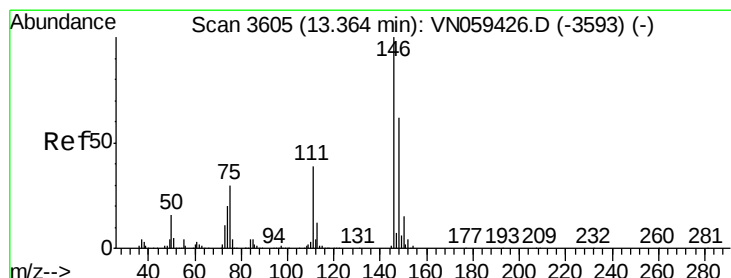
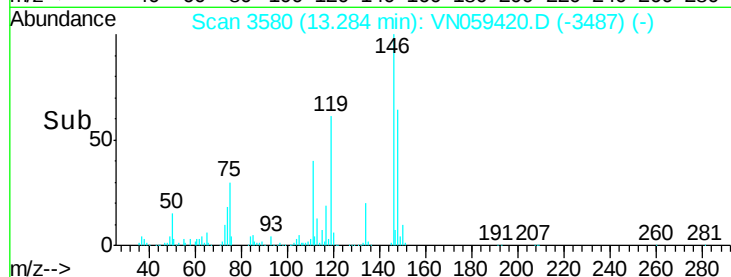
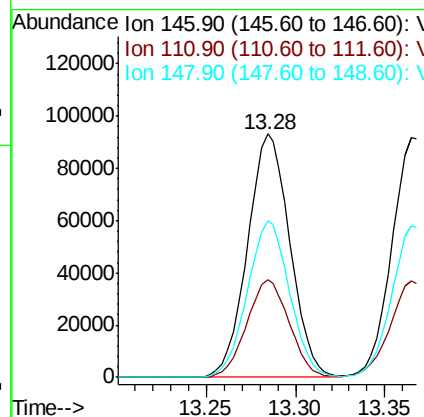
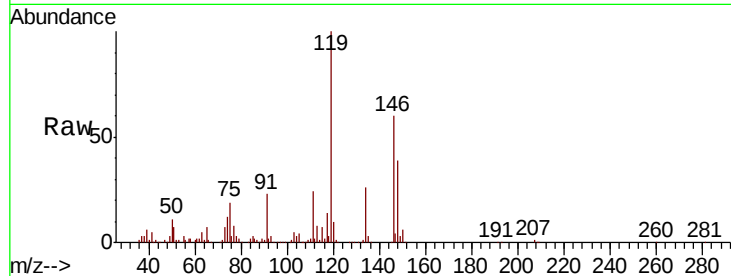
#87
 1,3-Dichlorobenzene
 Concen: 20.598 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	154653		
111	40.3	20.4	61.2	
148	64.2	32.1	96.3	

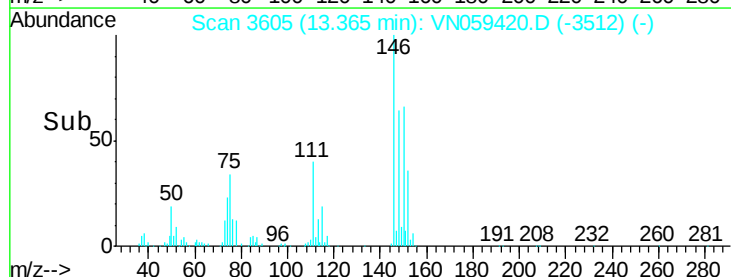
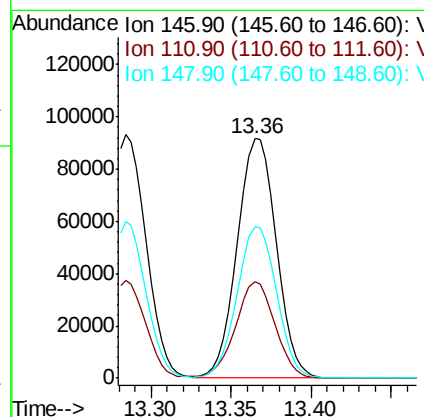
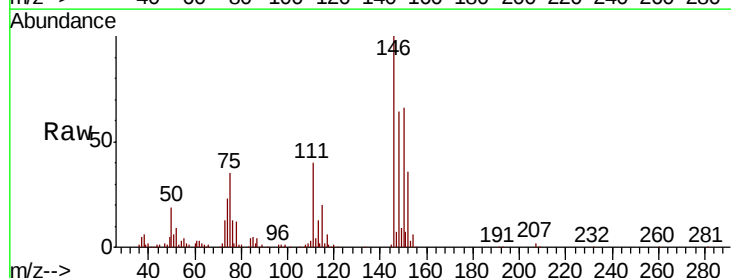
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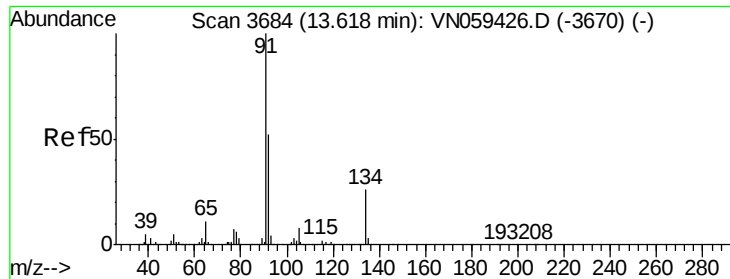
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#88
 1,4-Dichlorobenzene
 Concen: 20.261 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152722		
111	40.7	19.9	59.7	
148	63.5	31.6	95.0	





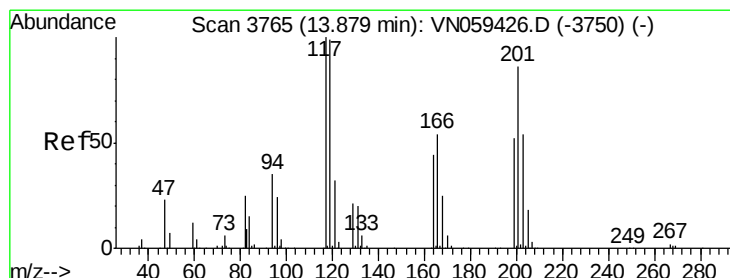
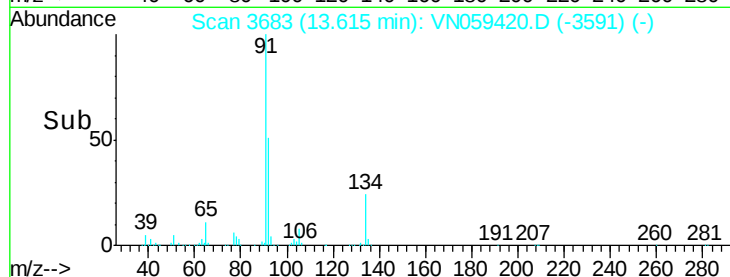
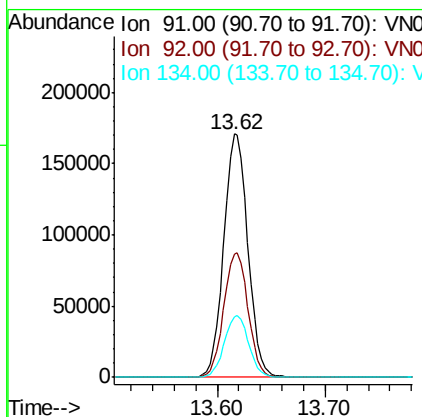
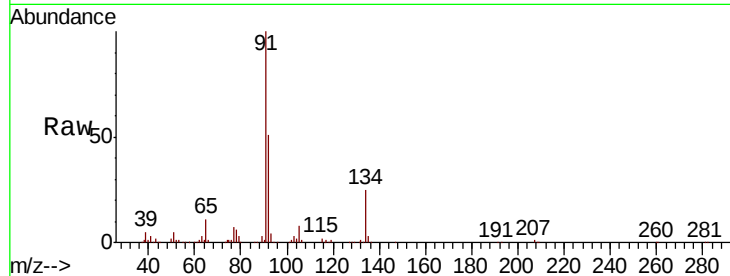
#89
n-Butylbenzene
Concen: 20.301 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	25.5	12.8	38.4

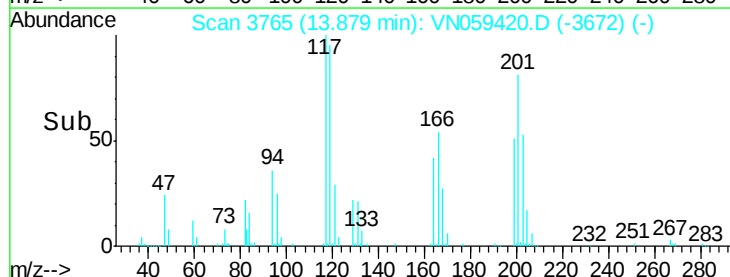
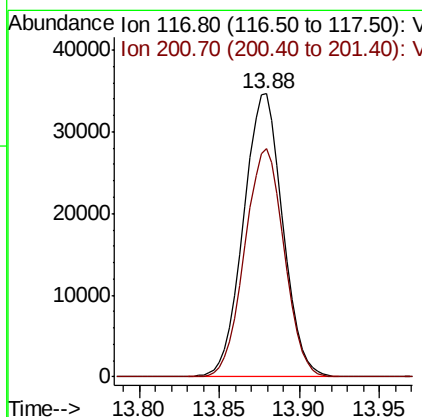
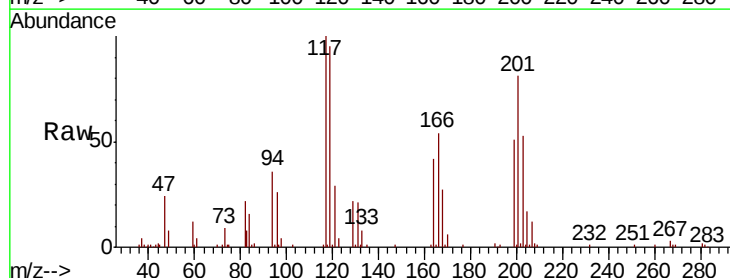
Manual Integrations
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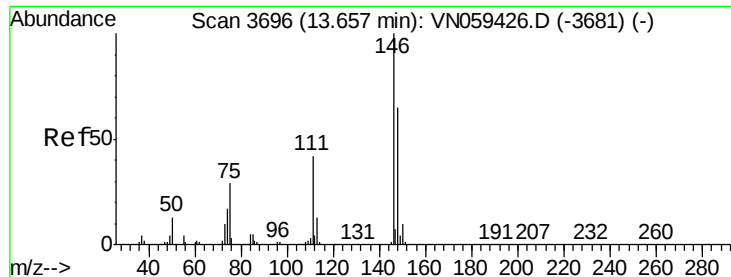
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#90
Hexachloroethane
Concen: 20.228 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	42.1	126.4





#91

1,2-Dichlorobenzene

Concen: 20.599 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Instrument :

MSVOA_N

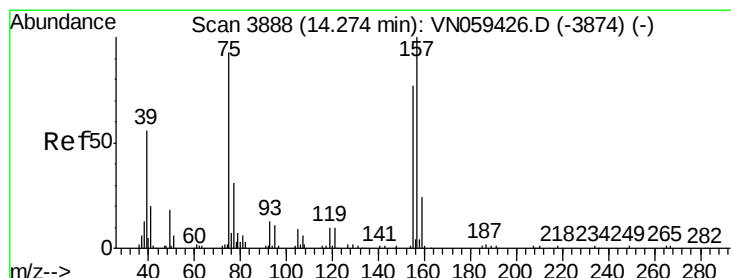
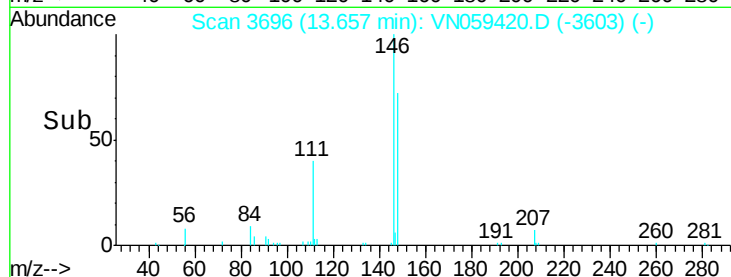
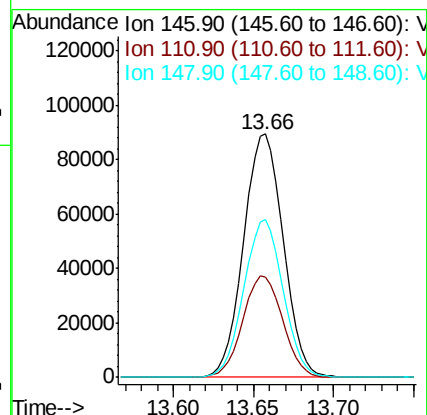
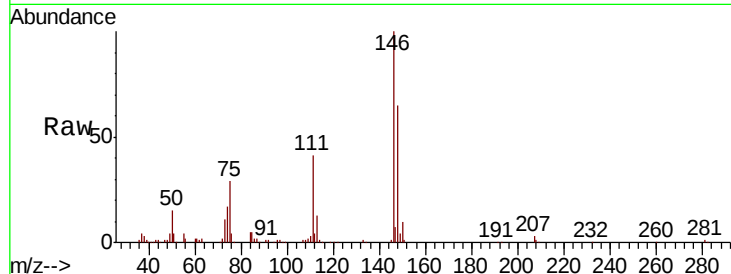
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	151544
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.3	63.7
148	64.3	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.041 ug/l

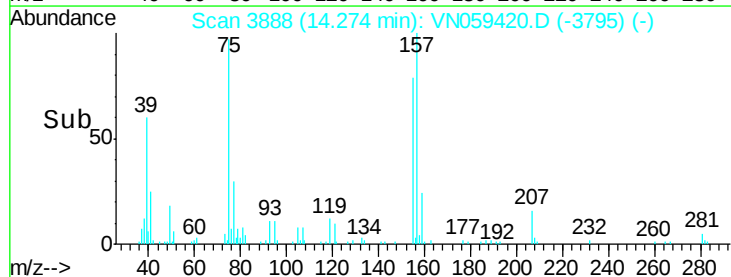
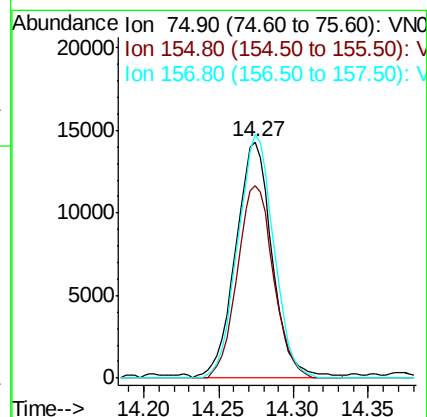
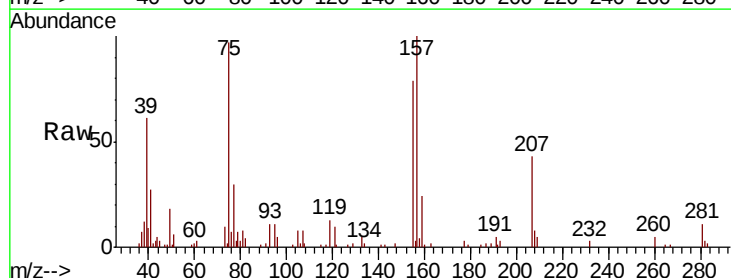
RT: 14.27 min Scan# 3888

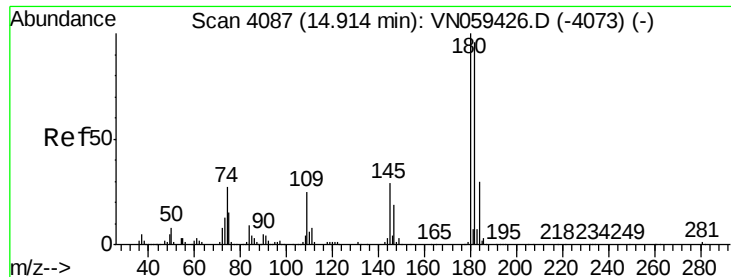
Delta R.T. 0.00 min

Lab File: VN059420.D

Acq: 27 Nov 2019 13:23

Tgt Ion:	75	Resp:	24401
Ion Ratio	Lower	Upper	
75	100		
155	80.2	41.9	125.8
157	101.1	54.1	162.3





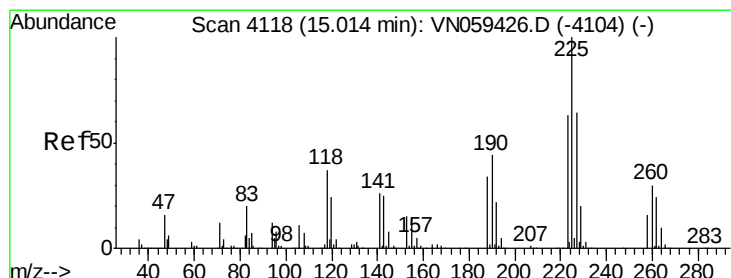
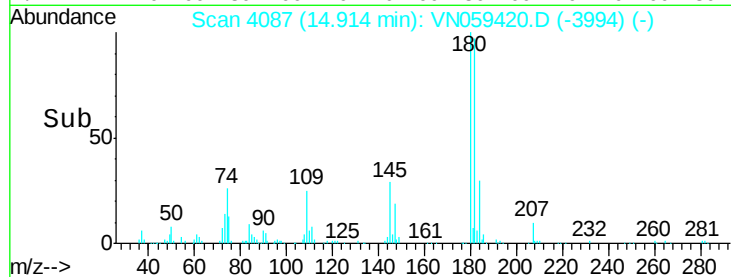
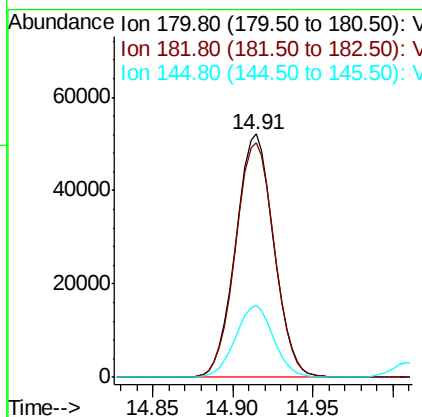
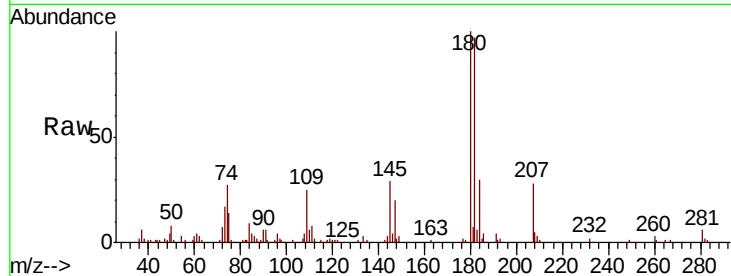
#93
 1,2,4-Trichlorobenzene
 Concen: 18.502 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.3	142.0
145	29.9	14.8	44.4

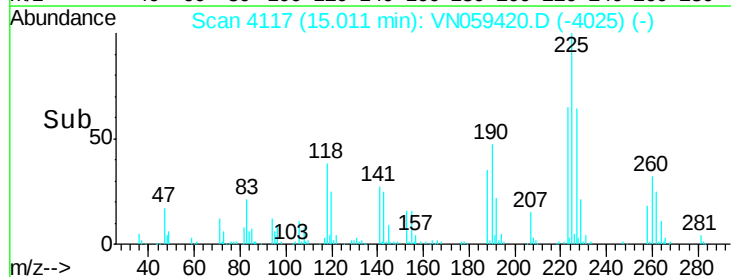
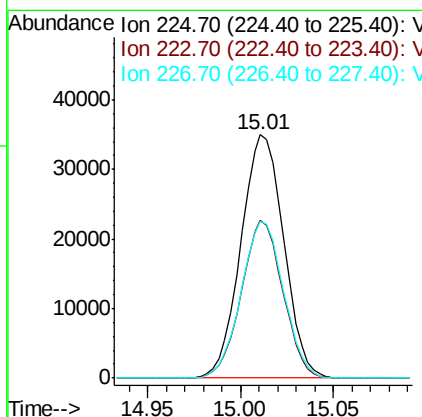
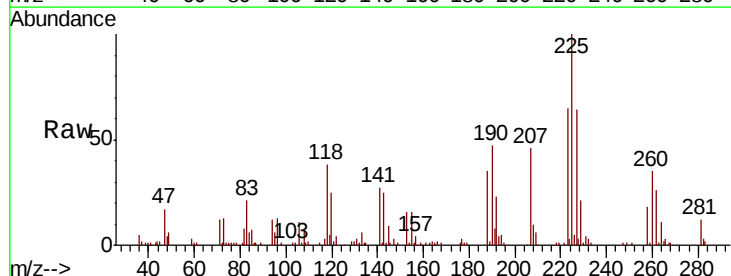
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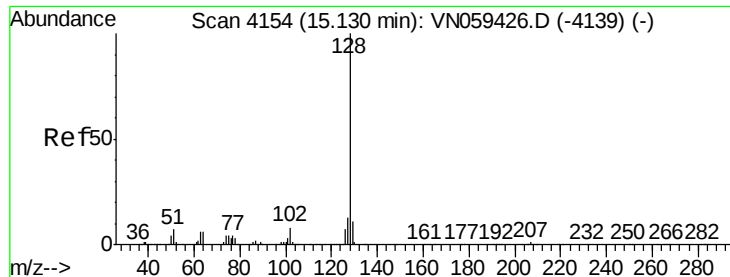
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#94
 Hexachlorobutadiene
 Concen: 19.981 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059420.D
 Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	63.9	31.9	95.7





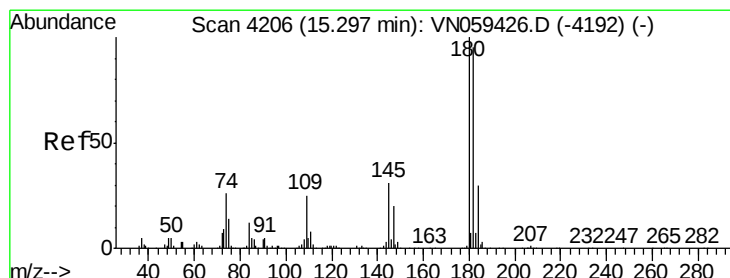
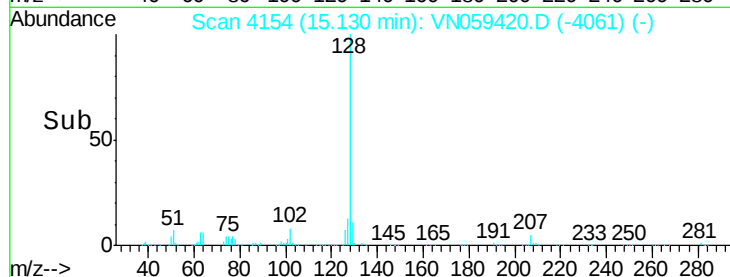
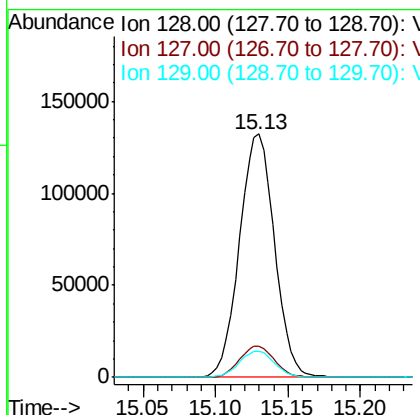
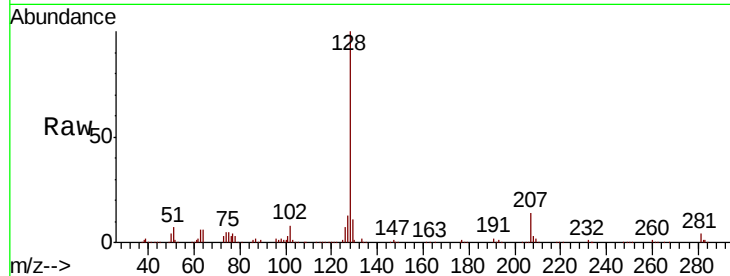
#95
Naphthalene
Concen: 17.253 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 17.861 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059420.D
Acq: 27 Nov 2019 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	32.2	15.7	47.1

