

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120619\
 Data File : VN059504.D
 Acq On : 6 Dec 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/9/2019 8:47:40 AM

Quant Time: Dec 06 22:31:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	251303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	372635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	182592	58.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.98%	
35) Dibromofluoromethane	7.57	113	132783	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.08	98	513818	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.40	95	183231	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	121881	43.584	ug/l	100
3) Chloromethane	2.04	50	134984	36.014	ug/l	98
4) Vinyl Chloride	2.17	62	109857	48.844	ug/l	100
5) Bromomethane	2.55	94	71628	52.405	ug/l	94
6) Chloroethane	2.68	64	73179	55.110	ug/l	98
7) Trichlorofluoromethane	3.00	101	165062	60.767	ug/l	98
8) Diethyl Ether	3.39	74	70247	39.692	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	116438	43.667	ug/l	96
10) Methyl Iodide	3.93	142	147955	43.821	ug/l	97
11) Tert butyl alcohol	4.75	59	114755	195.070	ug/l	99
12) 1,1-Dichloroethene	3.71	96	110069	42.228	ug/l	95
13) Acrolein	3.58	56	113346	222.008	ug/l	100
14) Allyl chloride	4.29	41	216500	42.171	ug/l	90
15) Acrylonitrile	4.95	53	333170	209.342	ug/l	98
16) Acetone	3.79	43	385213	220.343	ug/l	96
17) Carbon Disulfide	4.03	76	354963	39.912	ug/l	99
18) Methyl Acetate	4.29	43	179006	42.595	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	398073	44.810	ug/l	99
20) Methylene Chloride	4.52	84	130261	44.159	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	127120	43.587	ug/l	99
22) Diisopropyl ether	5.92	45	437102	45.744	ug/l	97
23) Vinyl Acetate	5.86	43	1877016	244.802	ug/l	98
24) 1,1-Dichloroethane	5.82	63	248996	45.871	ug/l	99
25) 2-Butanone	6.81	43	504650	212.676	ug/l	98
26) 2,2-Dichloropropane	6.80	77	222765	47.448	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	142630	44.034	ug/l	96
28) Bromochloromethane	7.17	49	104434	49.423	ug/l	96
29) Tetrahydrofuran	7.18	42	318534	213.490	ug/l	98
30) Chloroform	7.35	83	247109	47.148	ug/l	97
31) Cyclohexane	7.63	56	222390	42.283	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	217803	47.813	ug/l	97
36) 1,1-Dichloropropene	7.77	75	187963	45.039	ug/l	99
37) Ethyl Acetate	6.90	43	204391	43.845	ug/l	98
38) Carbon Tetrachloride	7.75	117	189802	47.285	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	216439	43.095	ug/l	97
40) Benzene	8.02	78	541219	44.286	ug/l	99
41) Methacrylonitrile	7.15	41	88618m	46.905	ug/l	
42) 1,2-Dichloroethane	8.10	62	211326	50.905	ug/l	97
43) Isopropyl Acetate	8.14	43	320667	46.249	ug/l	99
44) Trichloroethene	8.82	130	141143	44.194	ug/l	98
45) 1,2-Dichloropropane	9.10	63	148820	45.580	ug/l	100
46) Dibromomethane	9.19	93	95456	46.958	ug/l	96
47) Bromodichloromethane	9.39	83	197341	48.416	ug/l	100
48) Methyl methacrylate	9.18	41	146241	46.751	ug/l	91
49) 1,4-Dioxane	9.19	88	37787	798.327	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	974710	236.832	ug/l	95
52) Toluene	10.14	92	335943	45.451	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	221711	46.227	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	233012	45.836	ug/l #	89
55) 1,1,2-Trichloroethane	10.55	97	131307	45.065	ug/l	98
56) Ethyl methacrylate	10.42	69	195314	41.655	ug/l #	89
57) 1,3-Dichloropropane	10.70	76	229571	45.562	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	232133	150.973	ug/l	100
59) 2-Hexanone	10.74	43	721227	232.857	ug/l	95
60) Dibromochloromethane	10.90	129	148079	47.597	ug/l	99
61) 1,2-Dibromoethane	11.00	107	136807	45.440	ug/l	100
64) Tetrachloroethene	10.62	164	130715	41.239	ug/l	98
65) Chlorobenzene	11.43	112	349098	42.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	133240	45.519	ug/l	99
67) Ethyl Benzene	11.51	91	642115	44.989	ug/l	99
68) m/p-Xylenes	11.62	106	476210	89.607	ug/l	97
69) o-Xylene	11.94	106	225483	44.566	ug/l	99
70) Styrene	11.96	104	365504	45.253	ug/l	98
71) Bromoform	12.12	173	101683	44.567	ug/l #	99
73) Isopropylbenzene	12.25	105	615995	43.559	ug/l	100
74) N-amyl acetate	12.07	43	252079	44.254	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	193635	42.687	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	182888m	41.713	ug/l	
77) Bromobenzene	12.53	156	144714	40.950	ug/l	97
78) n-propylbenzene	12.59	91	731086	44.424	ug/l	99
79) 2-Chlorotoluene	12.67	91	420833	42.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	520977	44.083	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69561	41.636	ug/l	90
82) 4-Chlorotoluene	12.77	91	442066	43.189	ug/l	99
83) tert-Butylbenzene	12.99	119	434169	42.316	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	515845	44.664	ug/l	100
85) sec-Butylbenzene	13.17	105	596332	43.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	536840	44.054	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	262253	42.090	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260228	41.412	ug/l	99
89) n-Butylbenzene	13.62	91	474558	43.467	ug/l	99
90) Hexachloroethane	13.87	117	103978	44.241	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	254185	42.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41046	43.861	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139779	38.333	ug/l	100
94) Hexachlorobutadiene	15.01	225	86890	41.901	ug/l	99
95) Naphthalene	15.13	128	359621	36.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	141142	38.981	ug/l	98

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

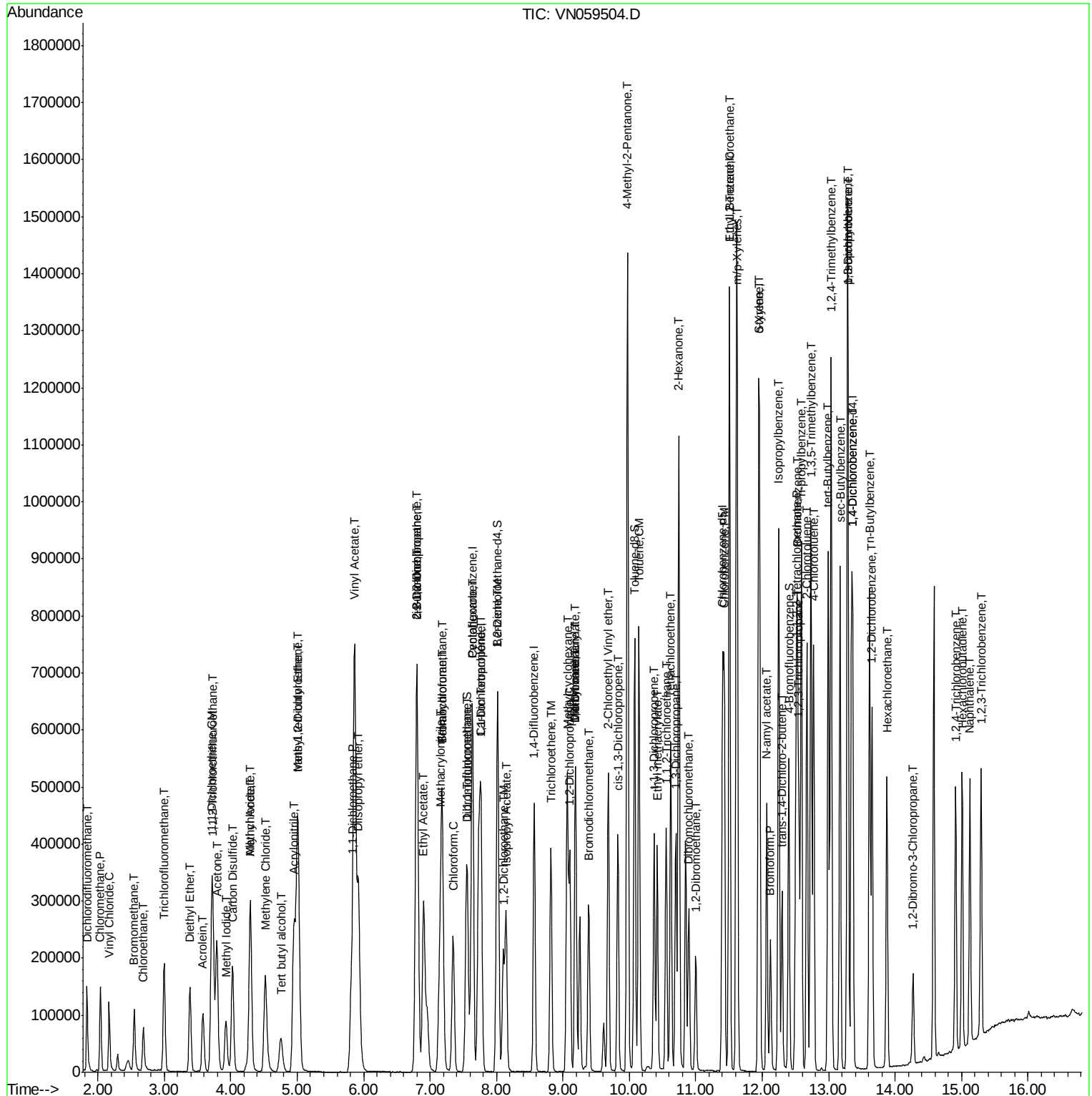
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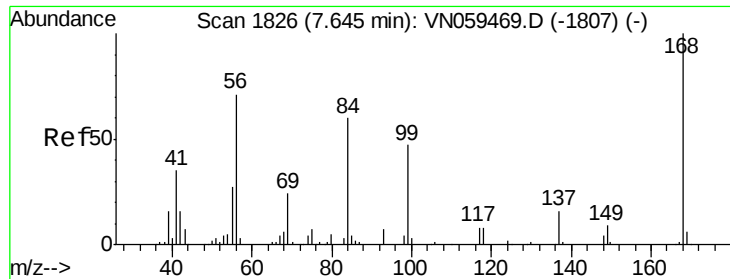
Instrument :
 MSVOA_N
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 251303

Ion Ratio Lower Upper

168 100

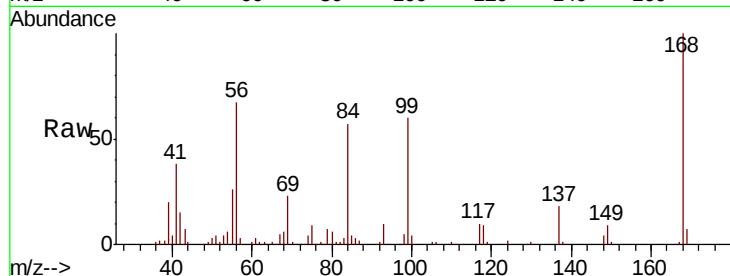
99 59.6 43.4 65.2

Manual Integrations

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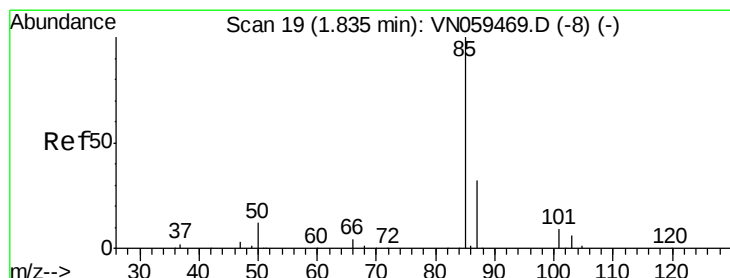
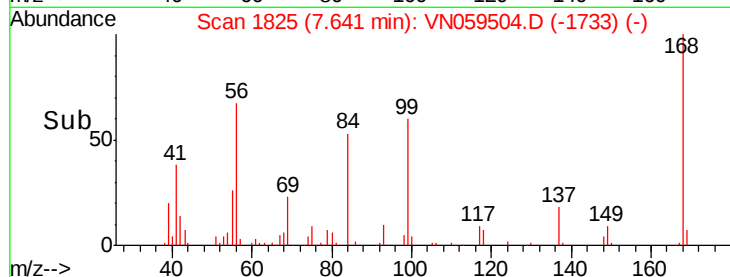


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

Time-->



#2

Dichlorodifluoromethane

Concen: 43.584 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059504.D

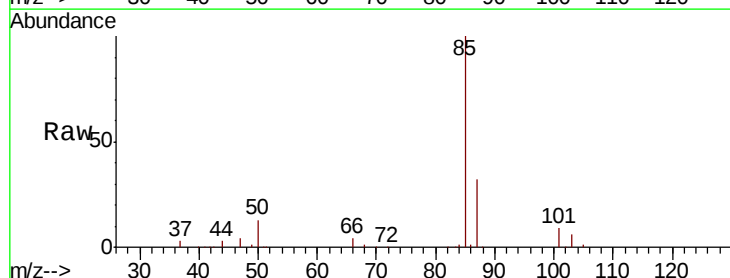
Acq: 6 Dec 2019 10:09

Tgt Ion: 85 Resp: 121881

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3

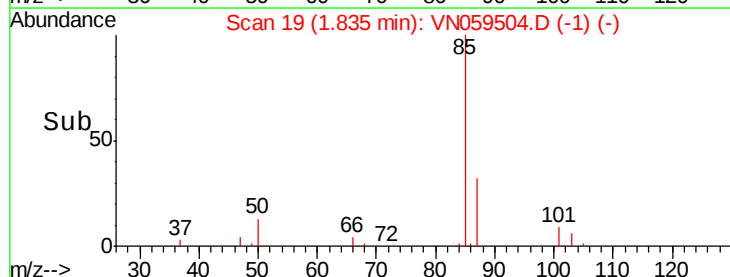


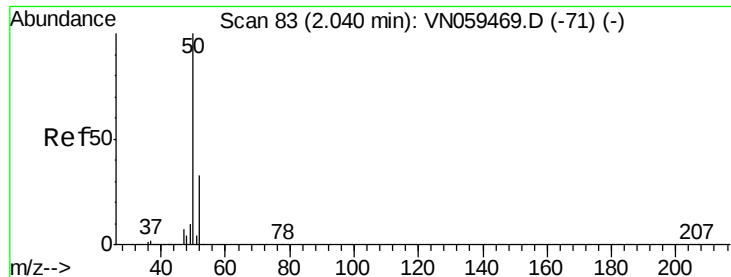
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

Time-->





#3

Chloromethane

Concen: 36.014 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 134984

Ion Ratio Lower Upper

50 100

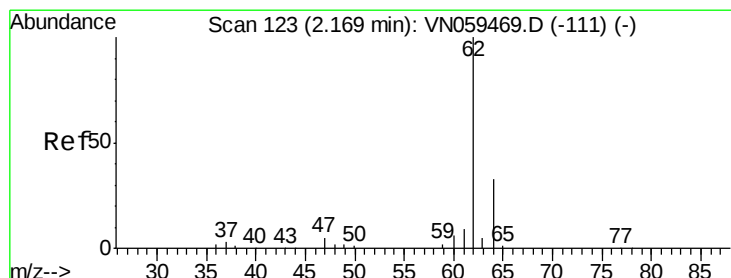
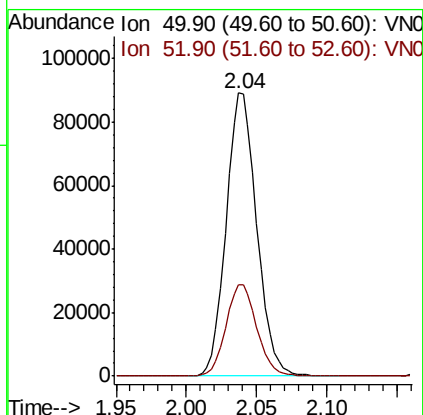
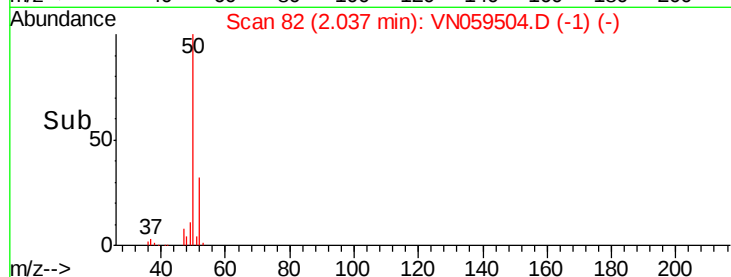
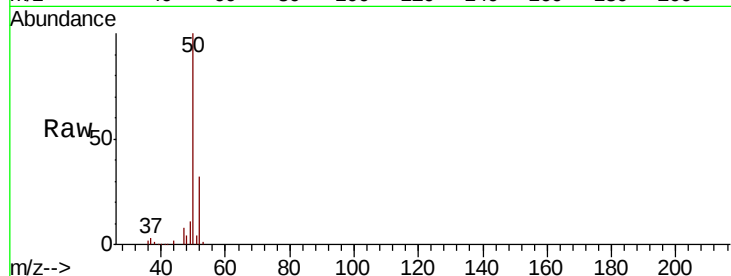
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.844 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059504.D

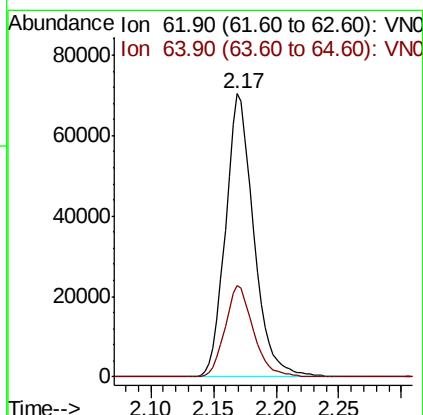
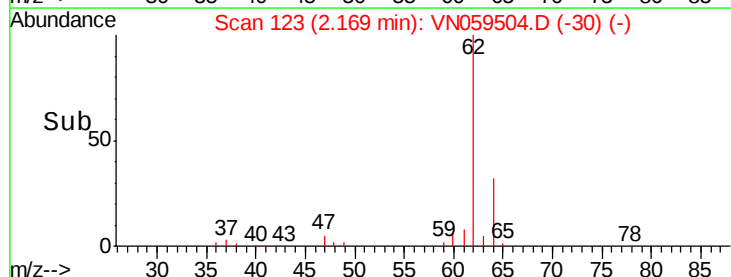
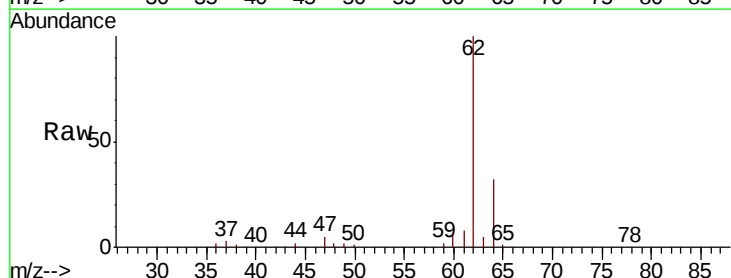
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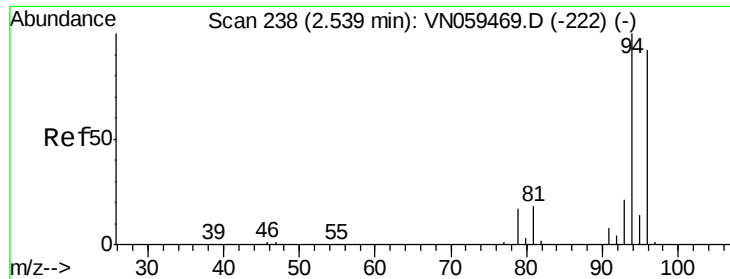
Tgt Ion: 62 Resp: 109857

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0





#5

Bromomethane

Concen: 52.405 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 71628

Ion Ratio Lower Upper

94 100

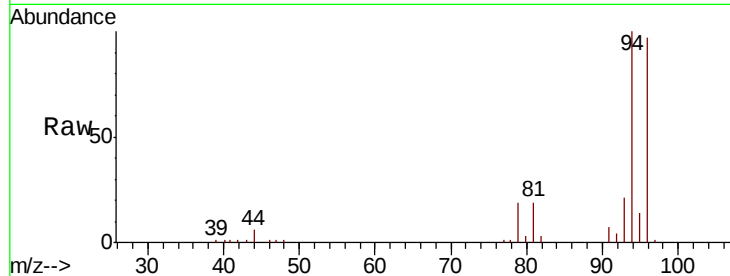
96 97.3 73.5 110.3

Manual Integrations

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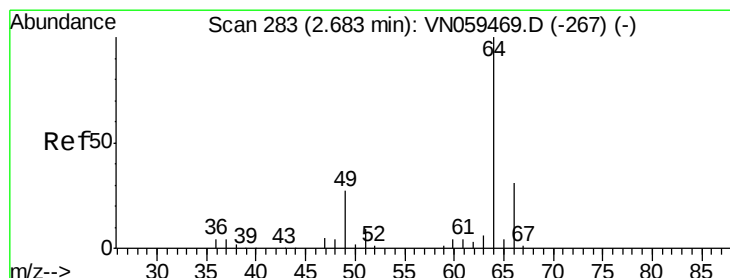
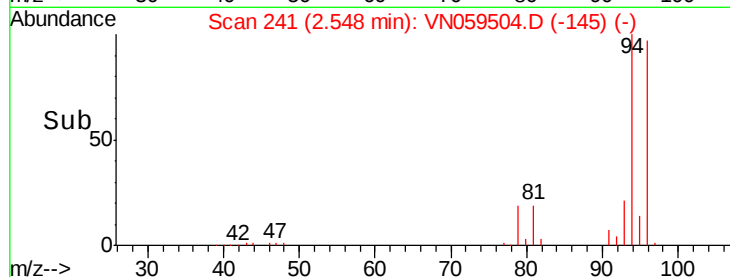
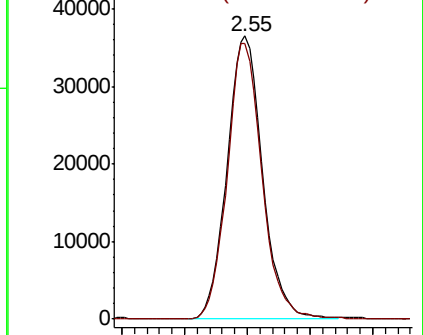
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.110 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059504.D

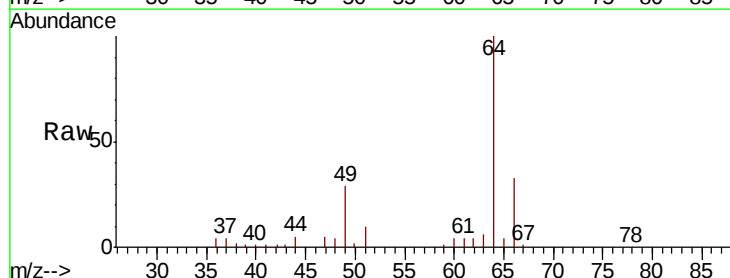
Acq: 6 Dec 2019 10:09

Tgt Ion: 64 Resp: 73179

Ion Ratio Lower Upper

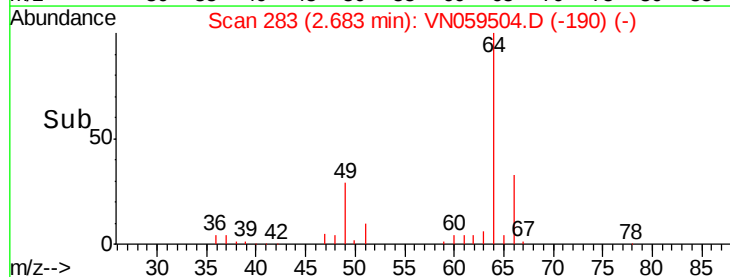
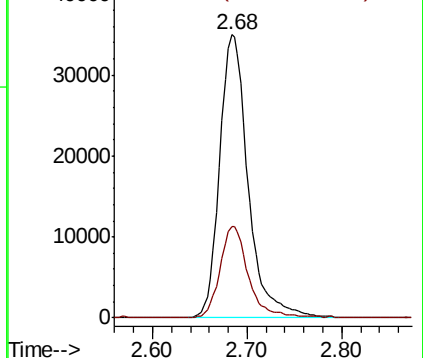
64 100

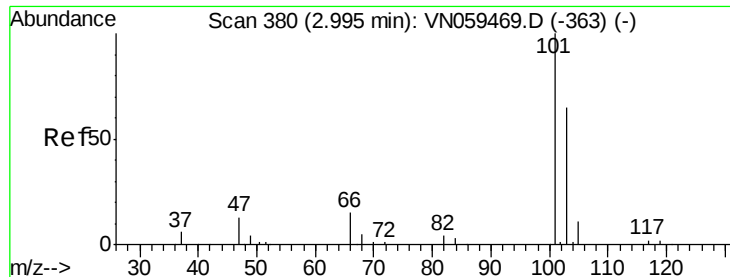
66 32.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

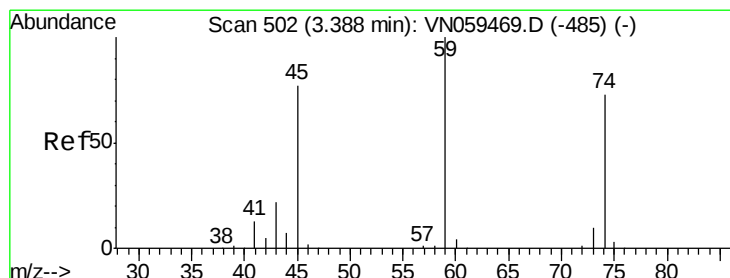
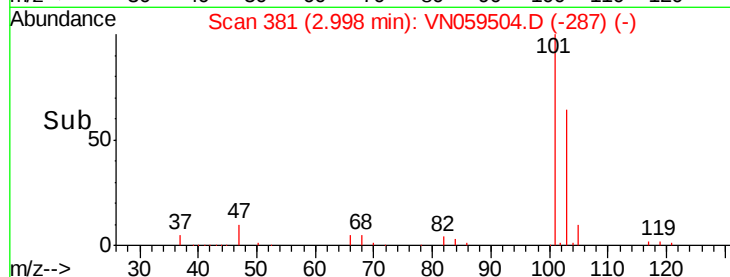
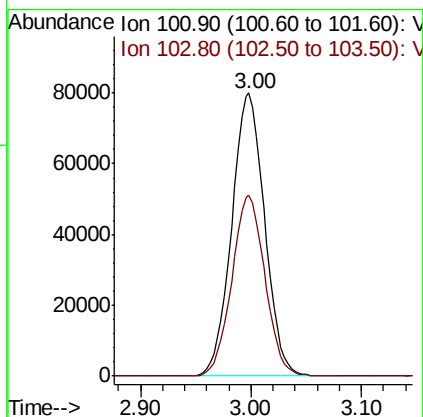
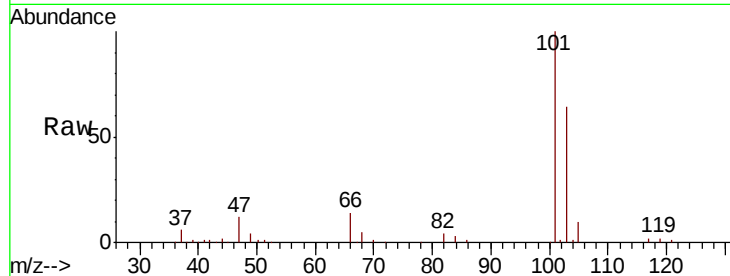
Trichlorofluoromethane
 Concen: 60.767 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

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Tot Ion:101 Resp: 165062
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.4 78.6

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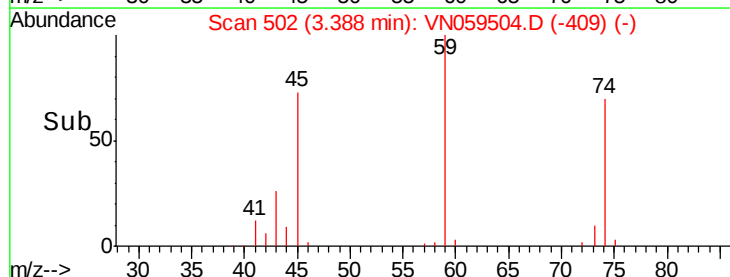
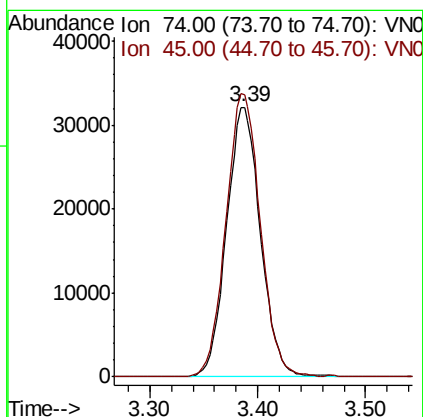
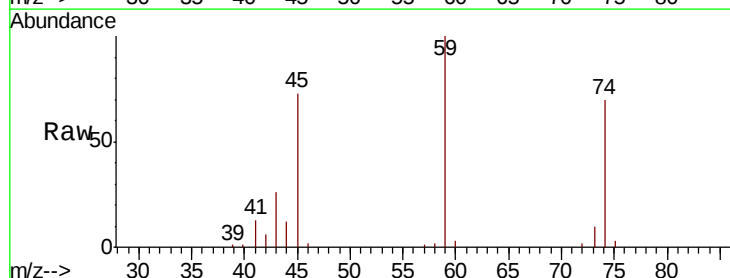
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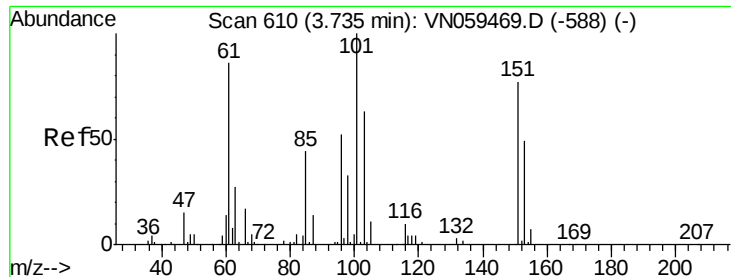


#8

Diethyl Ether
 Concen: 39.692 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion: 74 Resp: 70247
 Ion Ratio Lower Upper
 74 100
 45 106.5 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.667 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

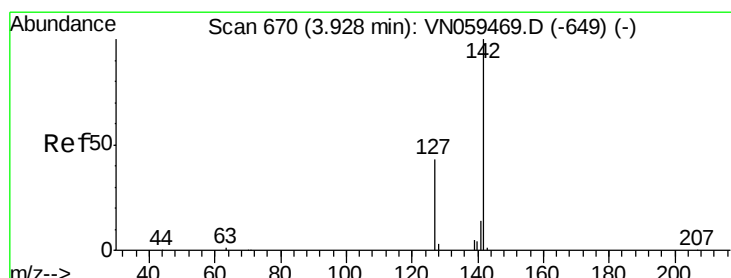
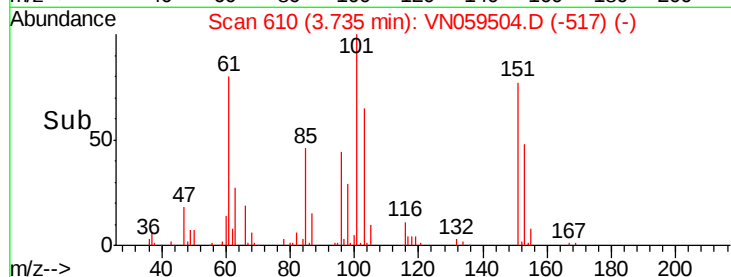
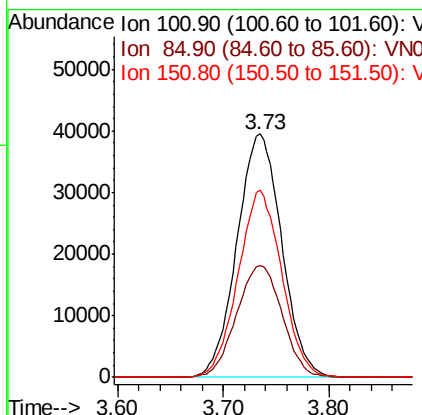
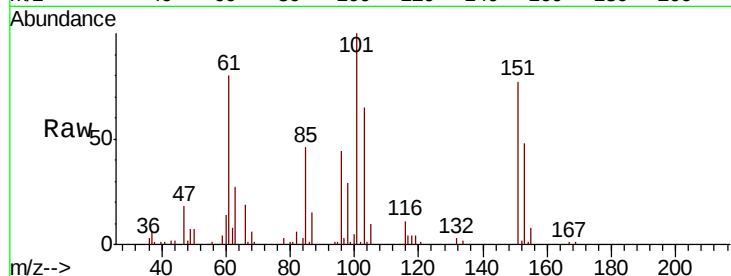
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	116438
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.2	52.8
151	74.9	62.4	93.6

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#10

Methyl Iodide

Concen: 43.821 ug/l

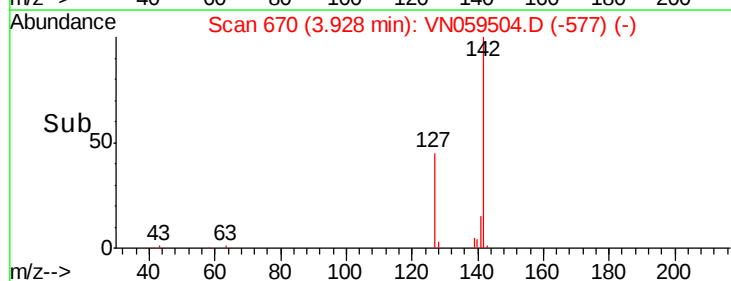
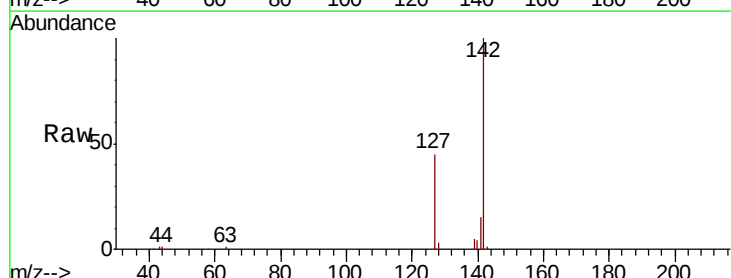
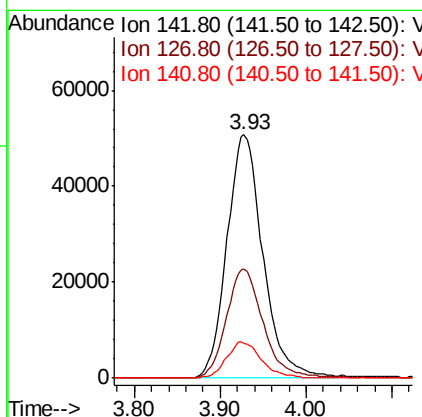
RT: 3.93 min Scan# 670

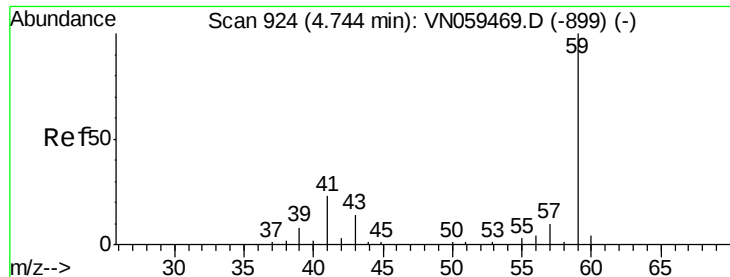
Delta R.T. -0.00 min

Lab File: VN059504.D

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Tgt Ion:	142	Resp:	147955
Ion Ratio	Lower	Upper	
142	100		
127	45.7	34.6	52.0
141	14.6	11.4	17.0





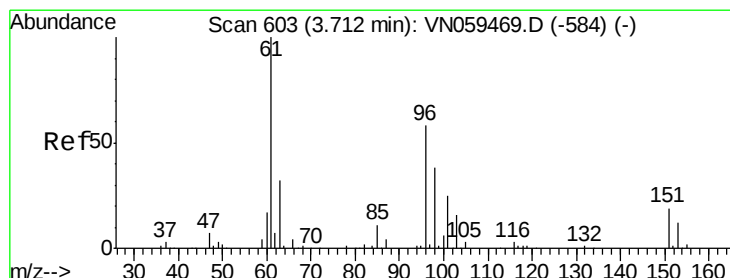
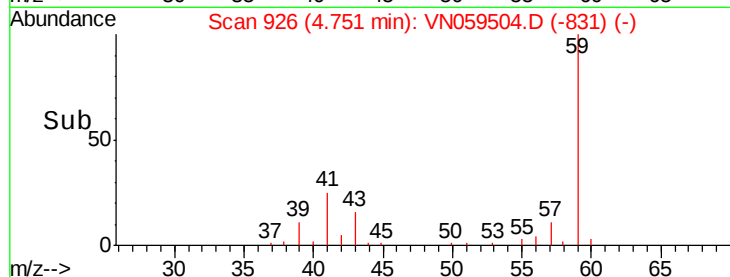
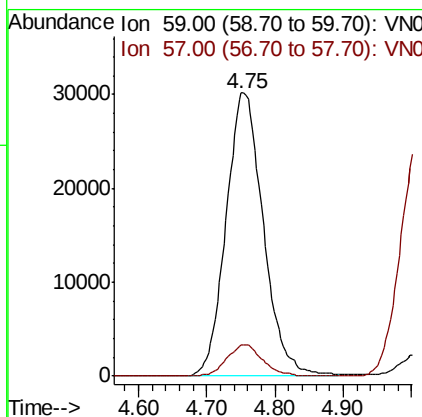
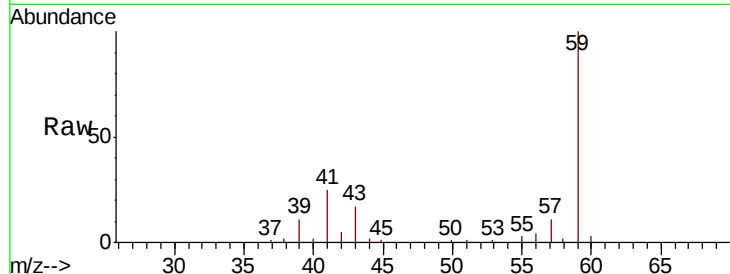
#11
Tert butyl alcohol
Concen: 195.070 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.01 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	114755		
57	10.5		8.1	12.1

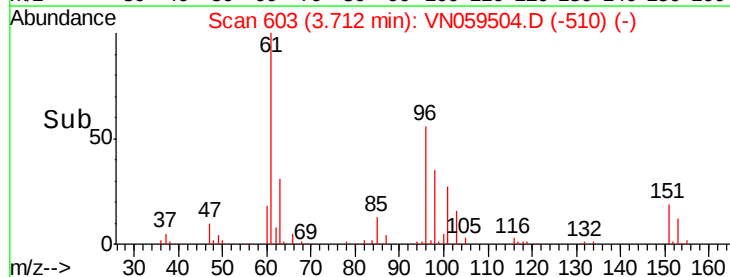
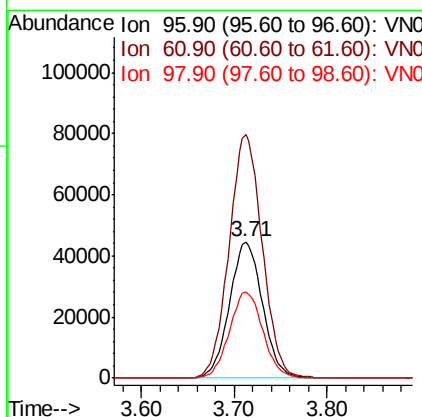
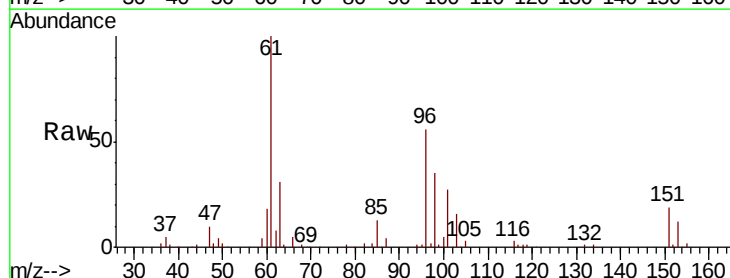
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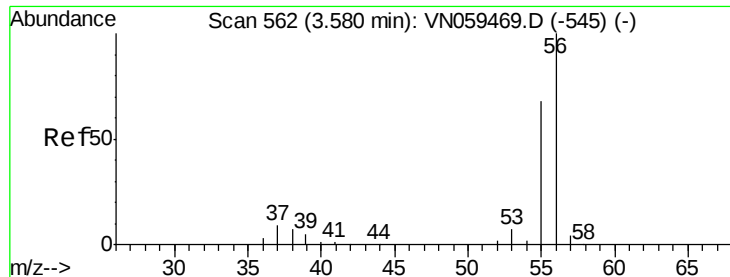
apatel
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#12
1,1-Dichloroethene
Concen: 42.228 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	110069		
61	178.8		137.1	205.7
98	62.9		52.4	78.6





#13

Acrolein

Concen: 222.008 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 113346

Ion Ratio Lower Upper

56 100

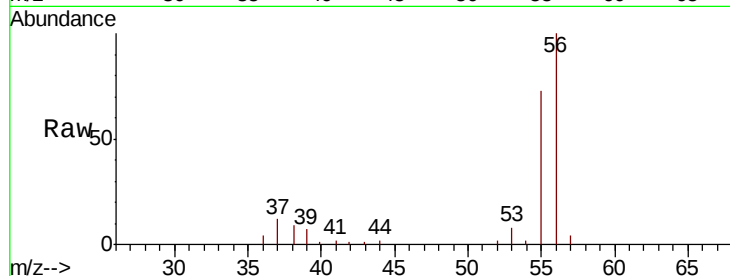
55 70.9 56.5 84.7

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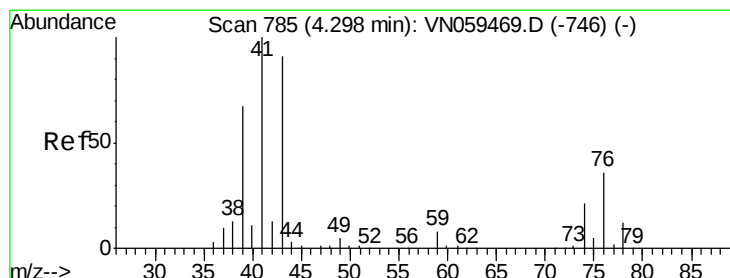
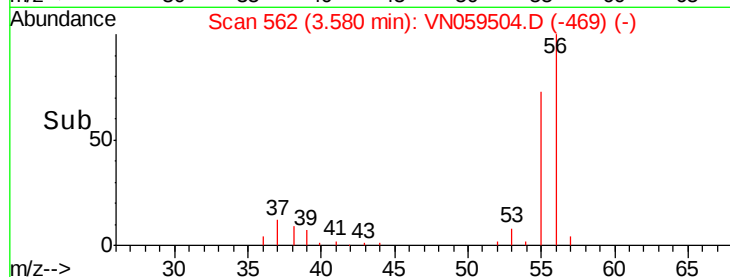
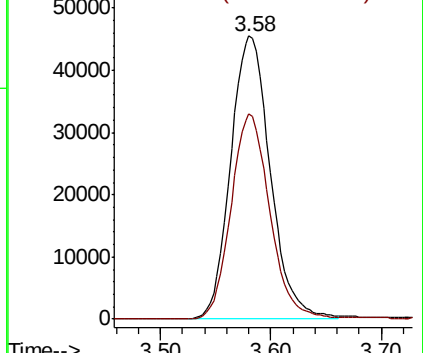
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.171 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

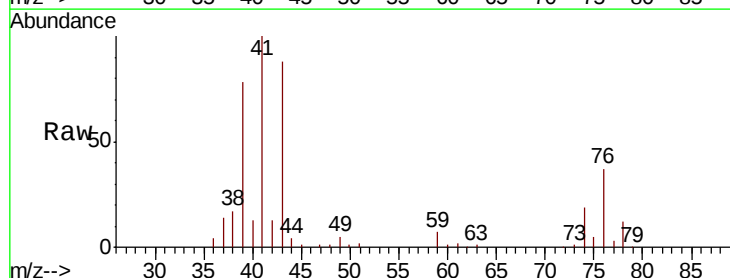
Tgt Ion: 41 Resp: 216500

Ion Ratio Lower Upper

41 100

39 72.6 49.3 73.9

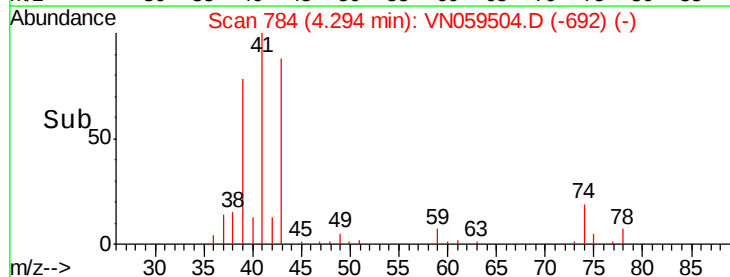
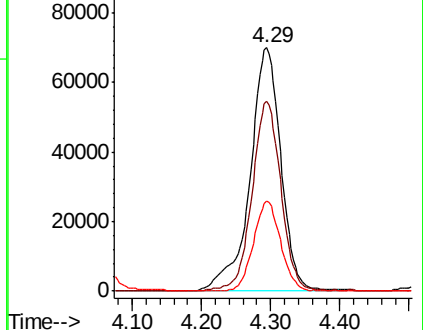
76 32.4 25.6 38.4

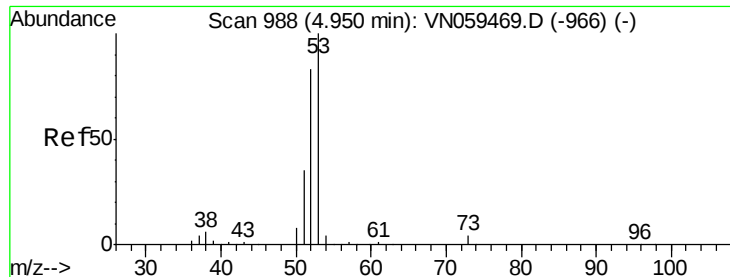


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 209.342 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

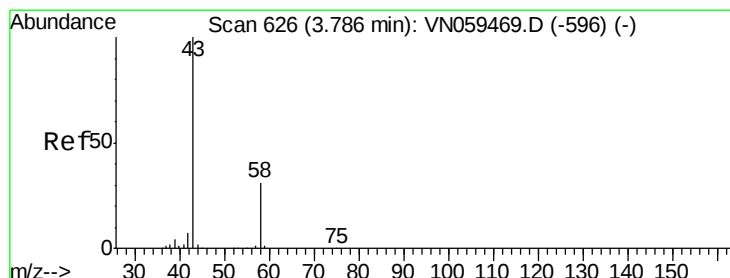
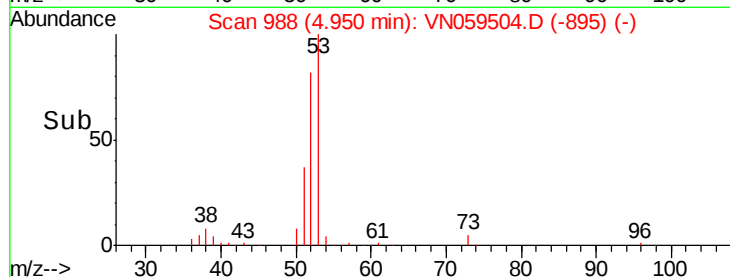
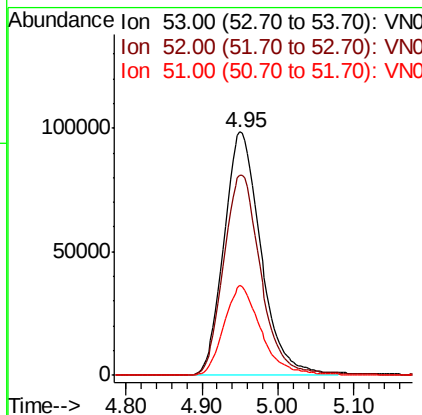
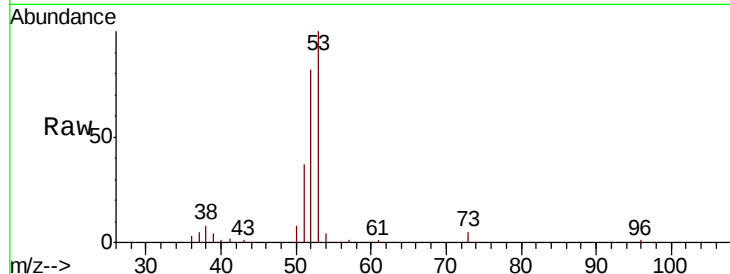
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	333170
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.5	98.3
51	37.1	28.5	42.7

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#16

Acetone

Concen: 220.343 ug/l

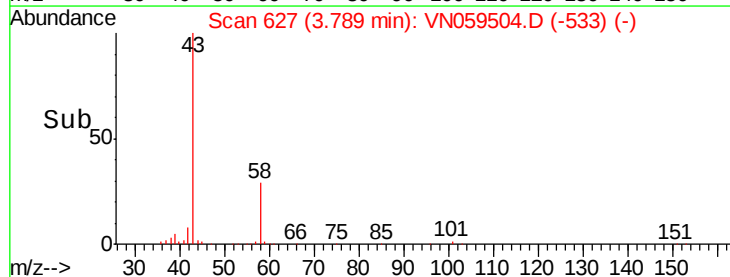
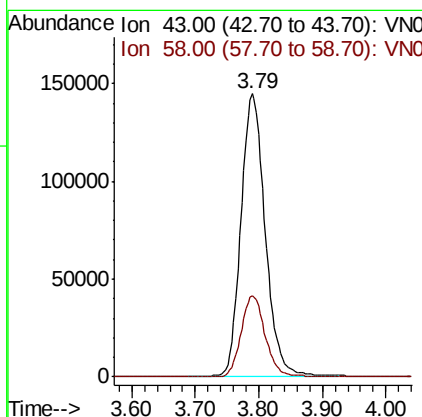
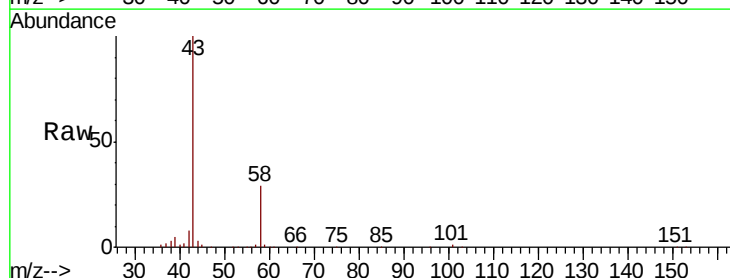
RT: 3.79 min Scan# 627

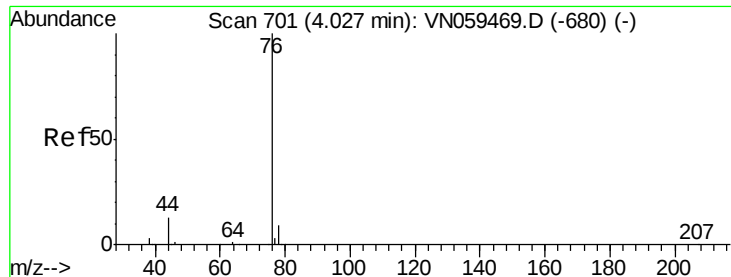
Delta R.T. 0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion:	43	Resp:	385213
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.9	37.3





#17

Carbon Disulfide

Concen: 39.912 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 354963

Ion Ratio Lower Upper

76 100

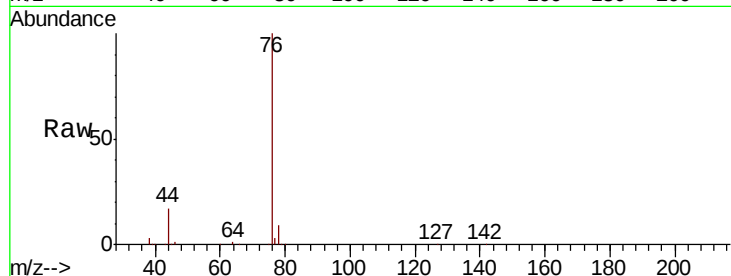
78 9.1 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

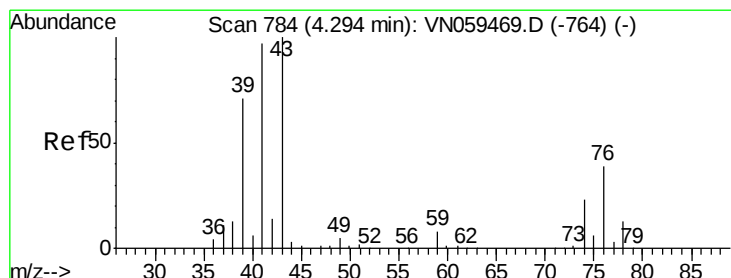
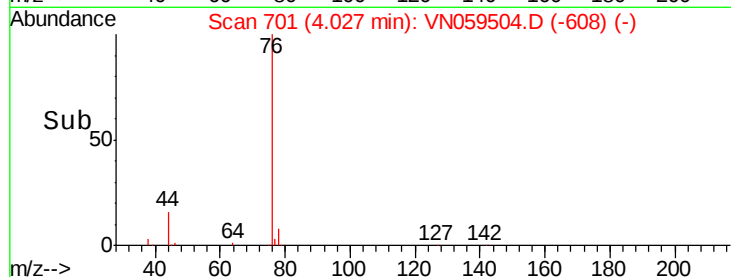
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.595 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059504.D

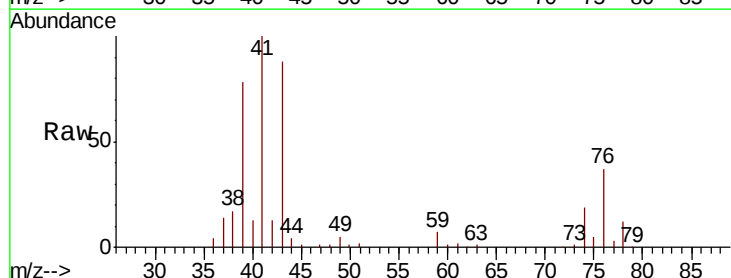
Acq: 6 Dec 2019 10:09

Tgt Ion: 43 Resp: 179006

Ion Ratio Lower Upper

43 100

74 22.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

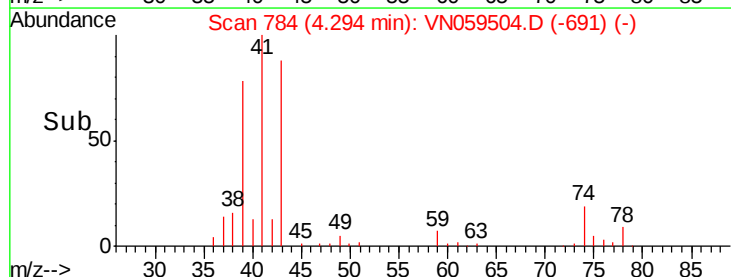
60000

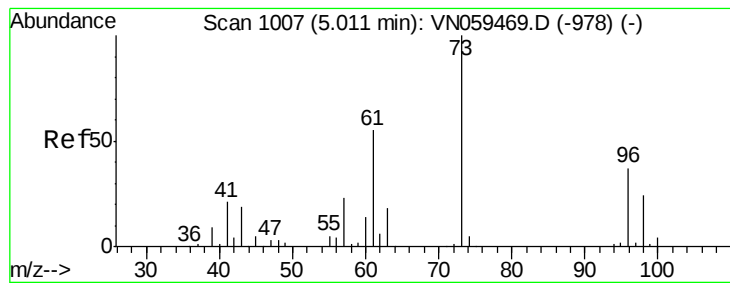
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 44.810 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 73 Resp: 398073

Ion Ratio Lower Upper

73 100

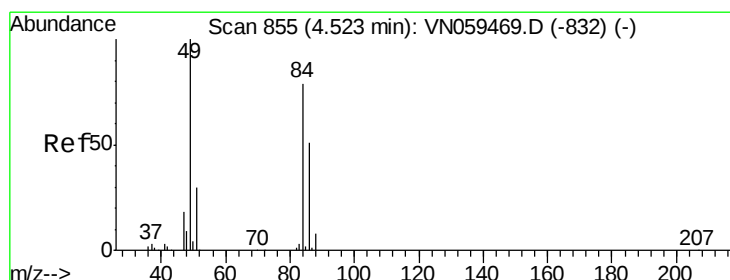
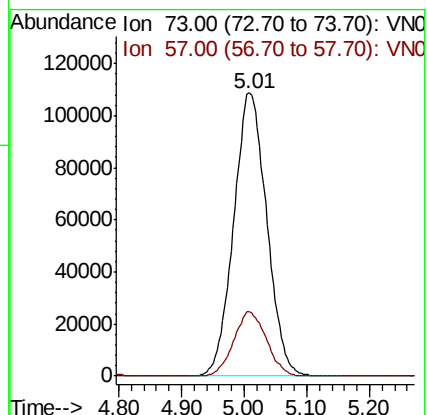
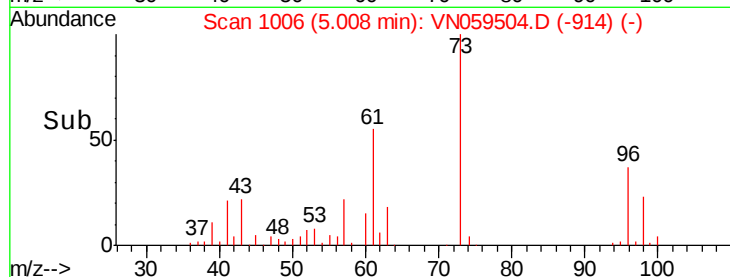
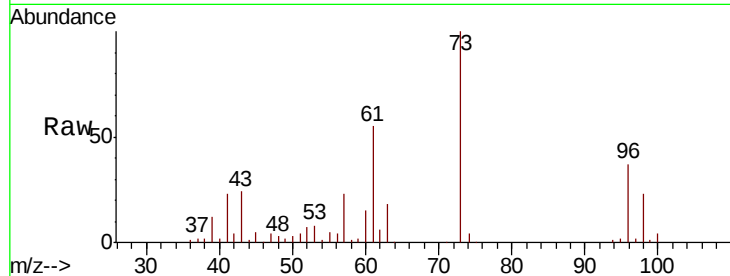
57 22.8 18.0 27.0

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#20

Methylene Chloride

Concen: 44.159 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion: 84 Resp: 130261

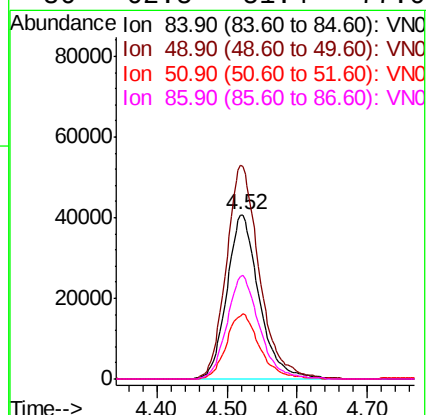
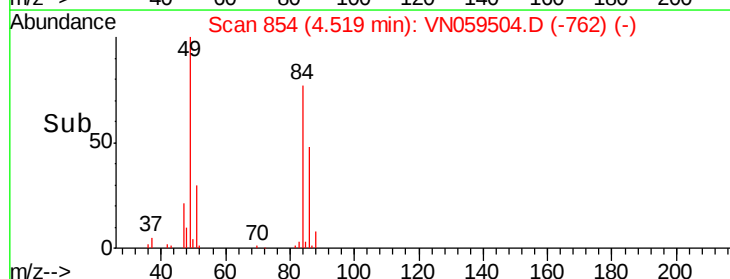
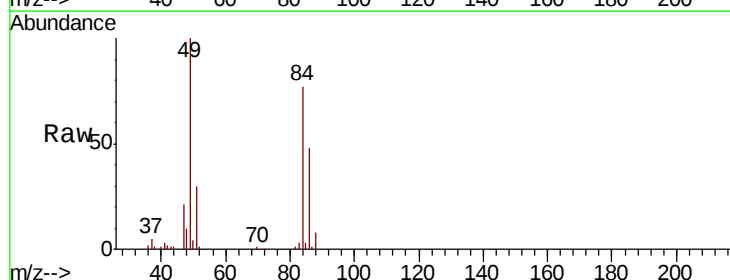
Ion Ratio Lower Upper

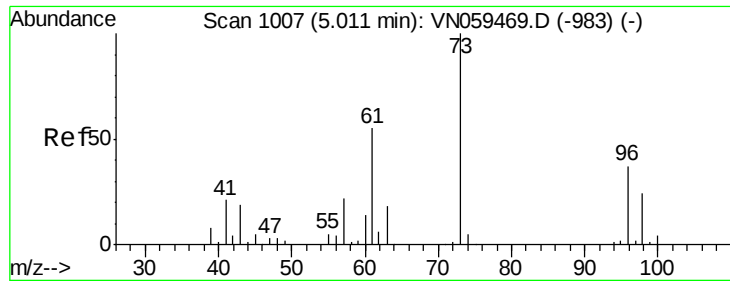
84 100

49 129.9 101.1 151.7

51 38.5 30.7 46.1

86 62.5 51.4 77.0





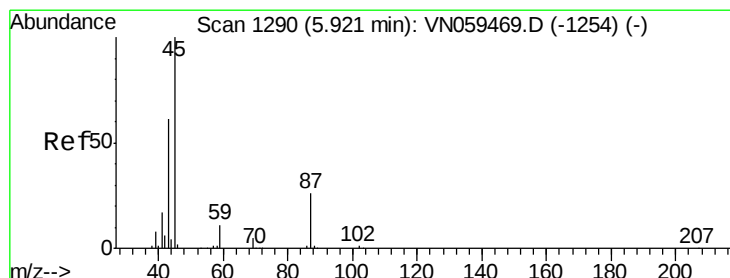
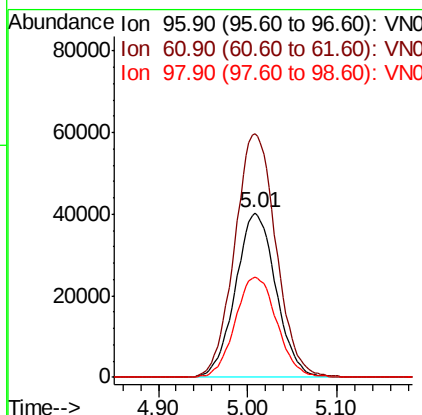
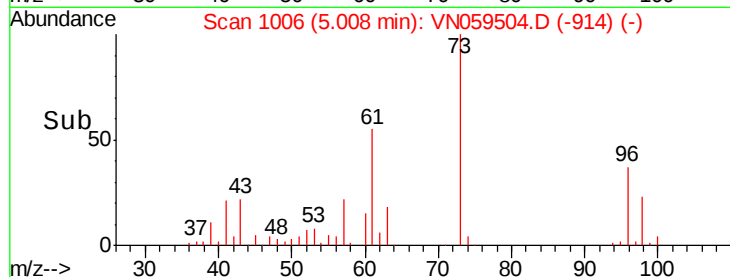
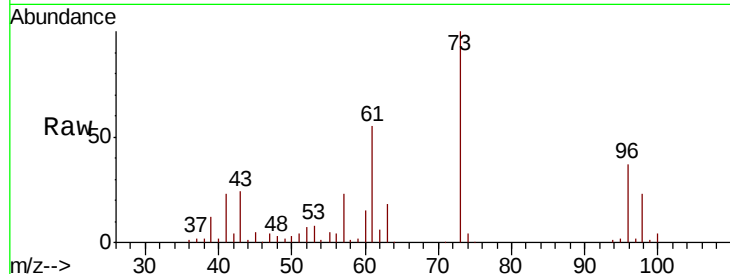
#21
trans-1,2-Dichloroethene
Concen: 43.587 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	118.9	178.3
98	61.2	51.6	77.4

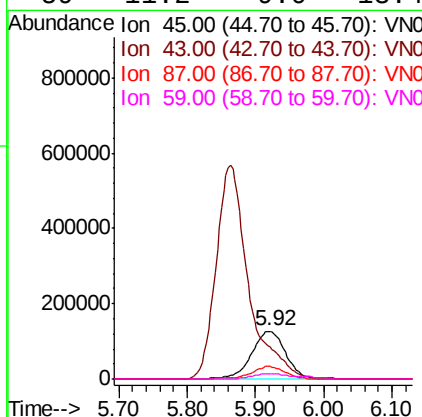
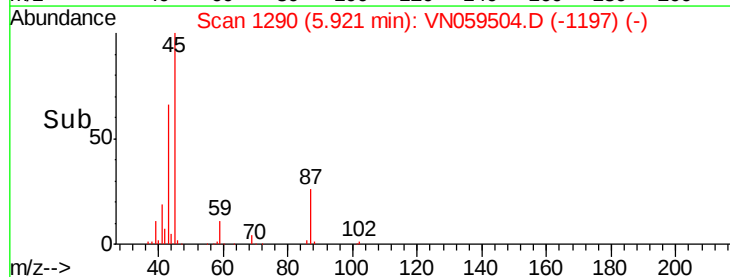
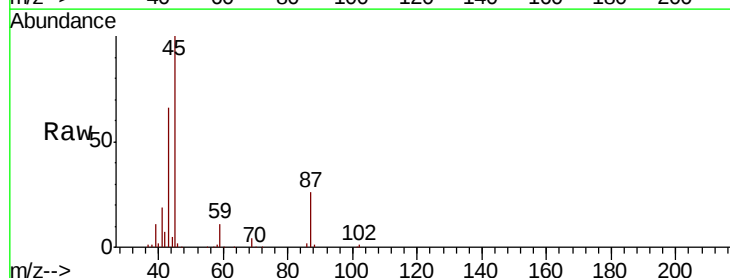
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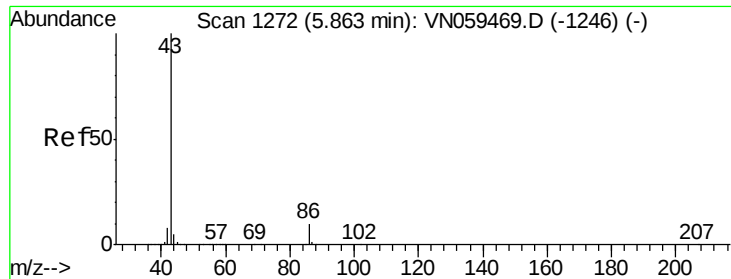
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#22
Diisopropyl ether
Concen: 45.744 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.7	49.1	73.7
87	25.8	21.6	32.4
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 244.802 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1877016

Ion Ratio Lower Upper

43 100

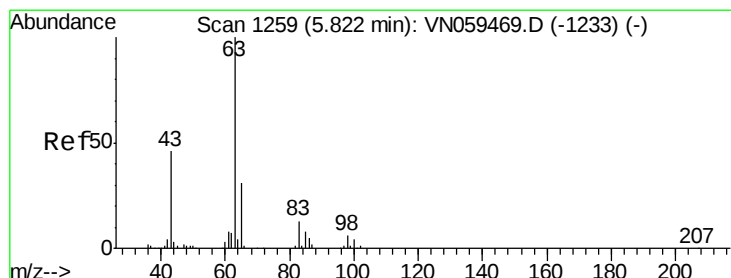
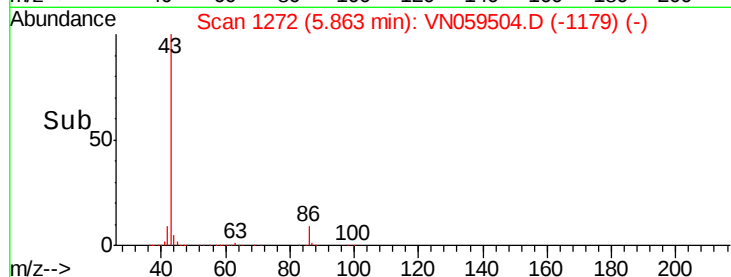
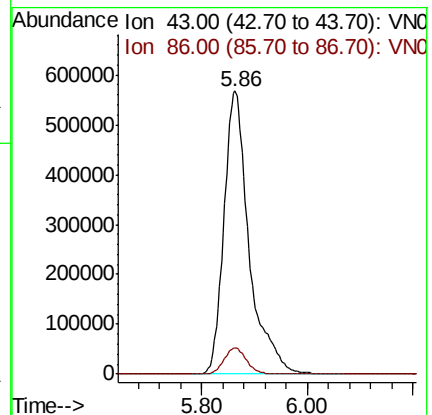
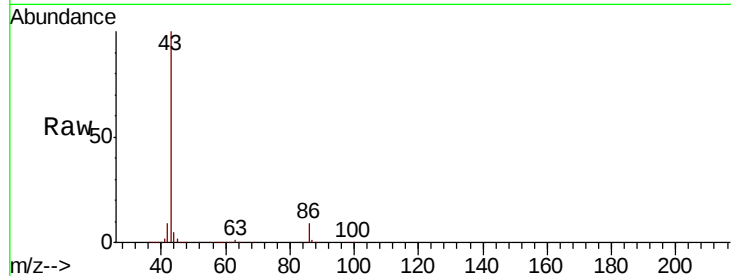
86 9.4 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 45.871 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

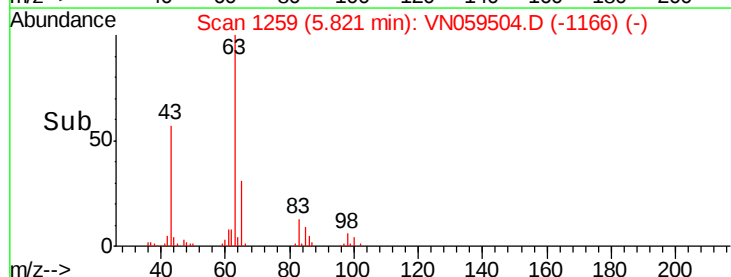
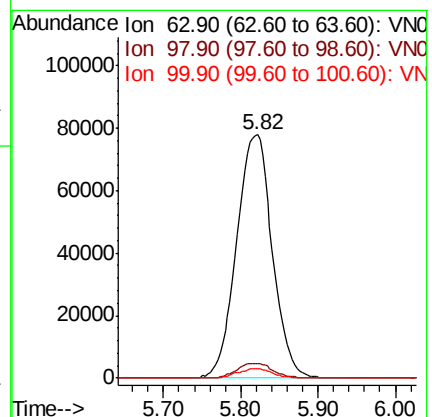
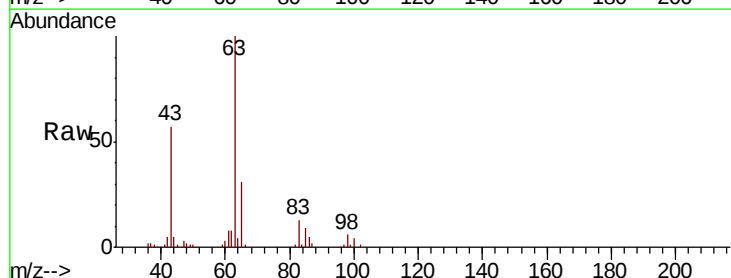
Tgt Ion: 63 Resp: 248996

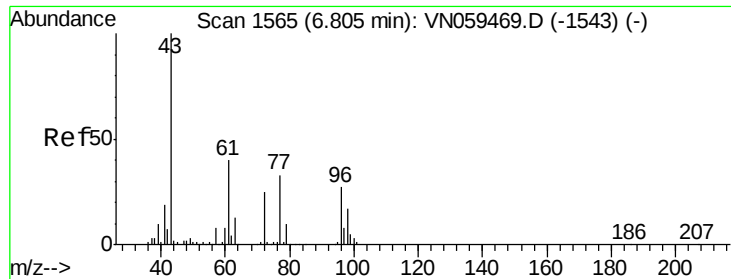
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 212.676 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 504650

Ion Ratio Lower Upper

43 100

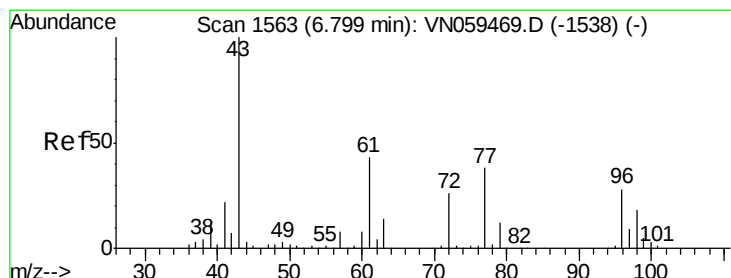
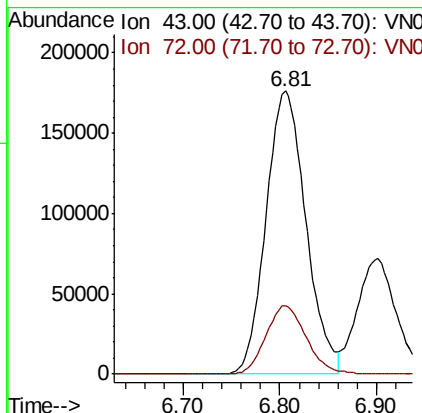
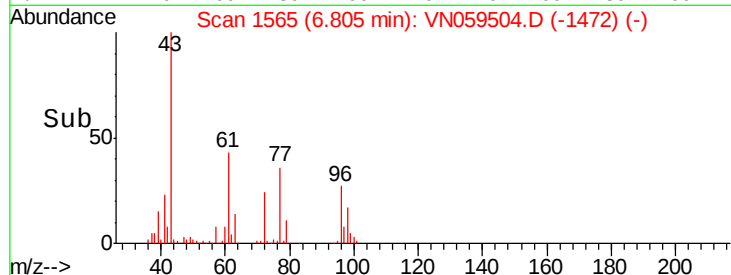
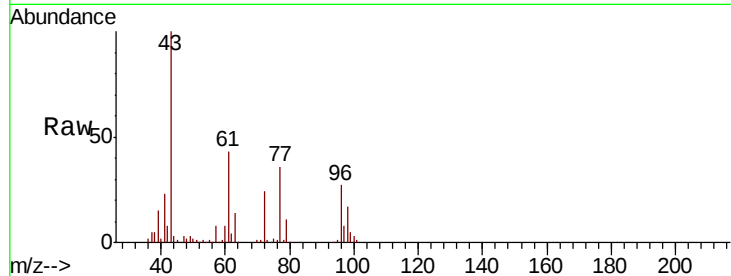
72 24.3 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 47.448 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059504.D

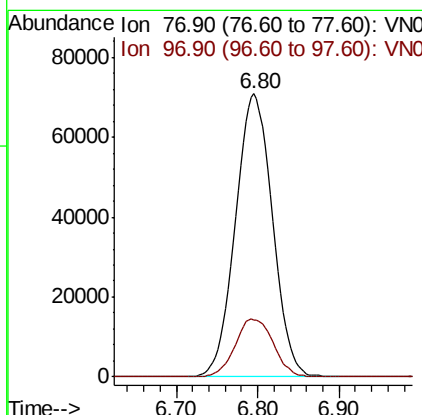
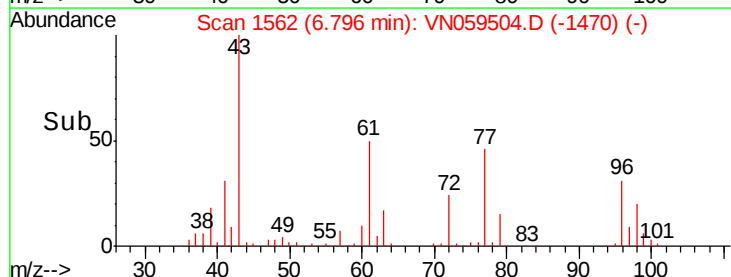
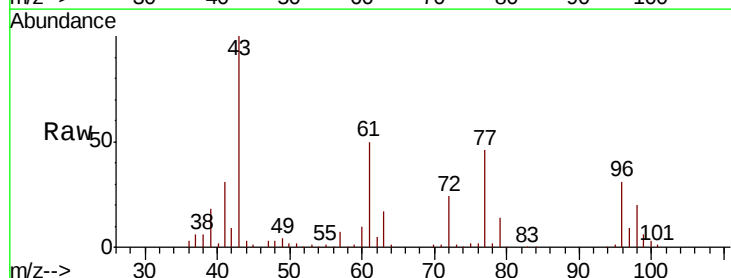
Acq: 6 Dec 2019 10:09

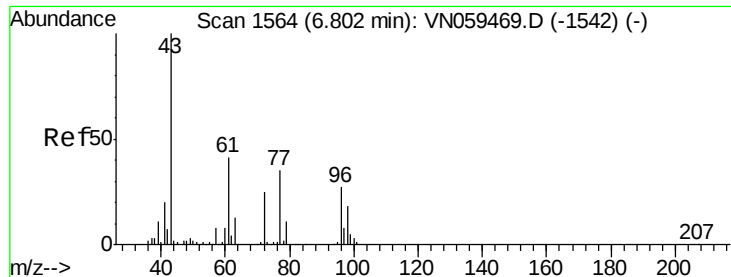
Tgt Ion: 77 Resp: 222765

Ion Ratio Lower Upper

77 100

97 21.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 44.034 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

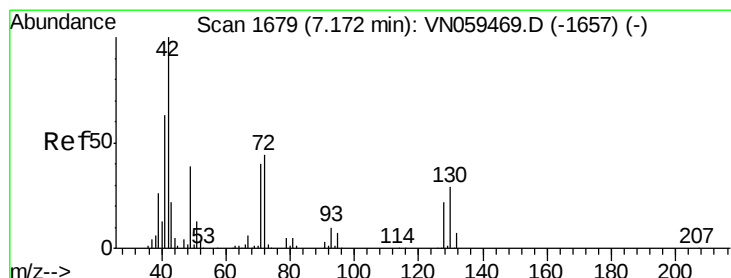
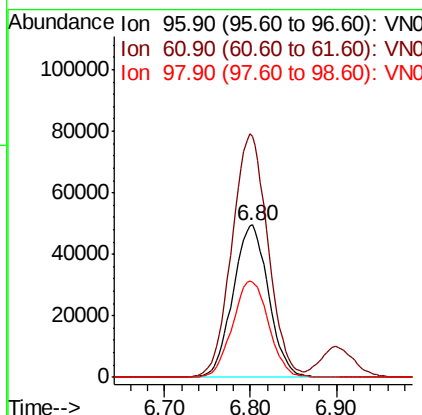
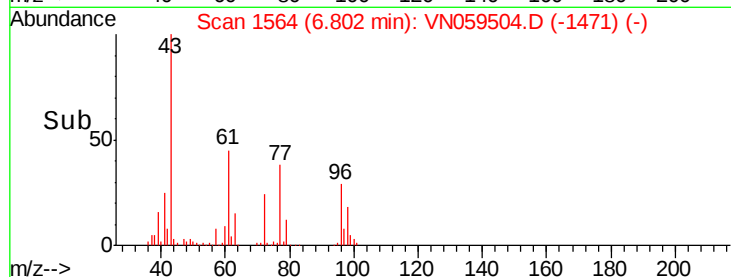
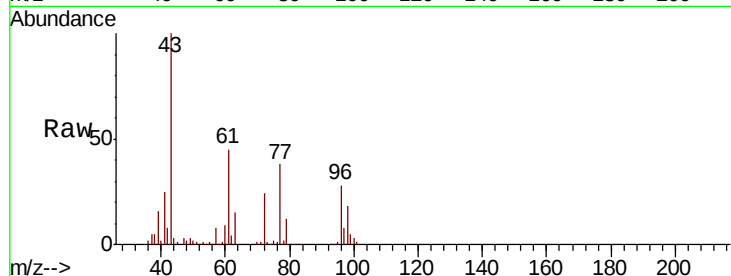
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	142630
Ion Ratio	Lower	Upper	
96	100		
61	161.1	0.0	307.4
98	64.0	0.0	129.2

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#28

Bromochloromethane

Concen: 49.423 ug/l

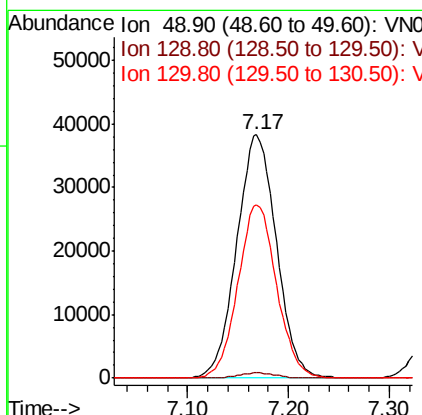
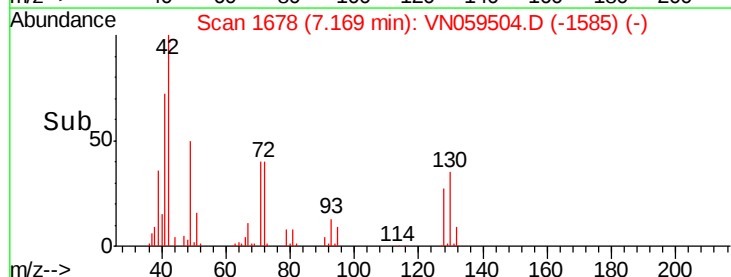
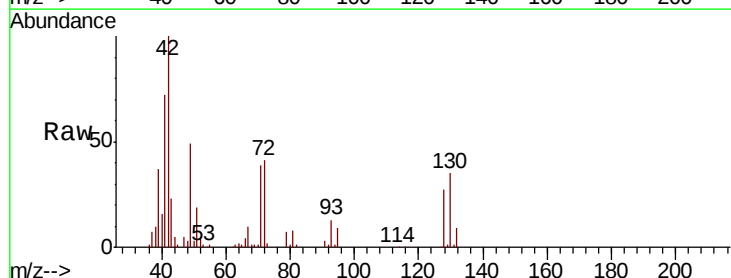
RT: 7.17 min Scan# 1678

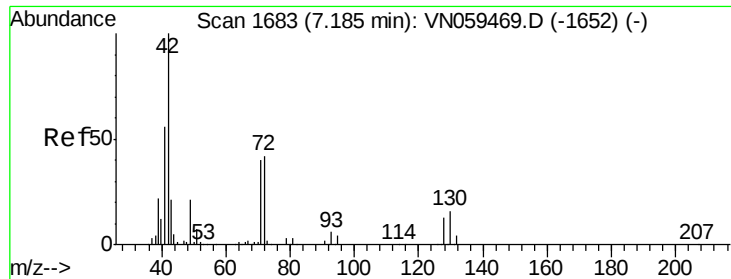
Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion:	49	Resp:	104434
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.2
130	69.2	58.4	87.6





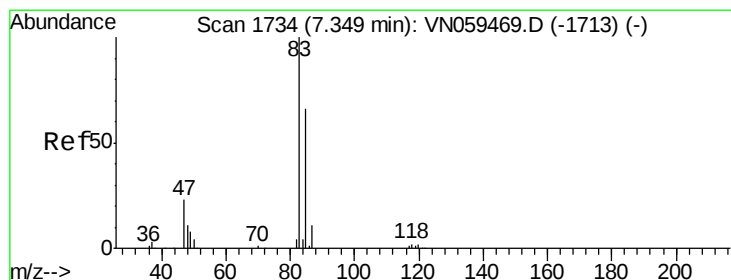
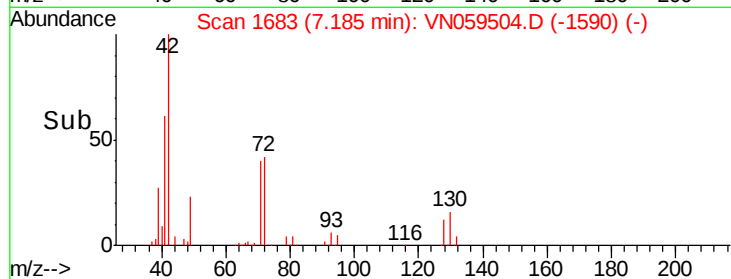
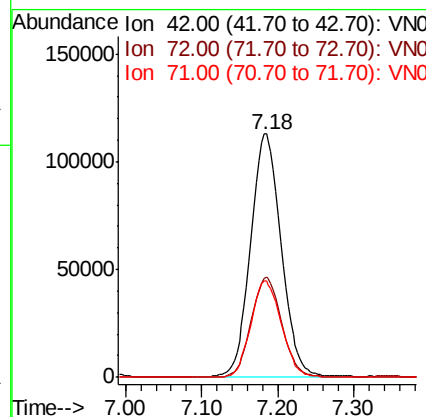
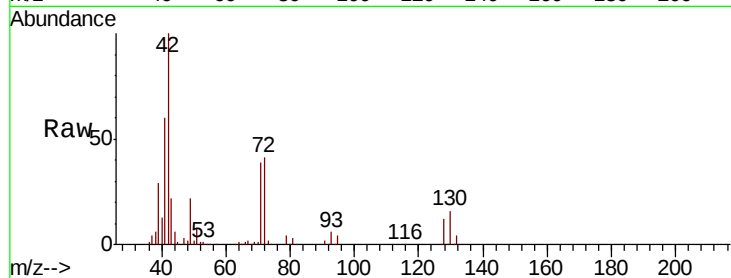
#29
Tetrahydrofuran
Concen: 213.490 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.2	51.2
71	39.4	32.0	48.0

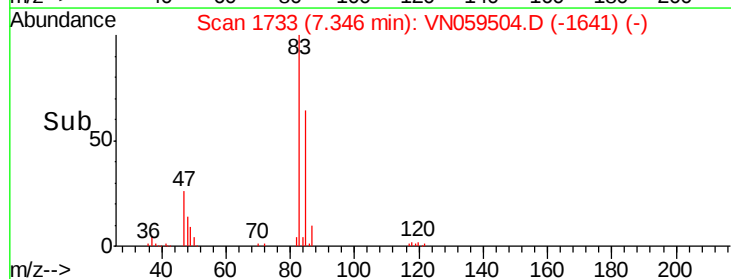
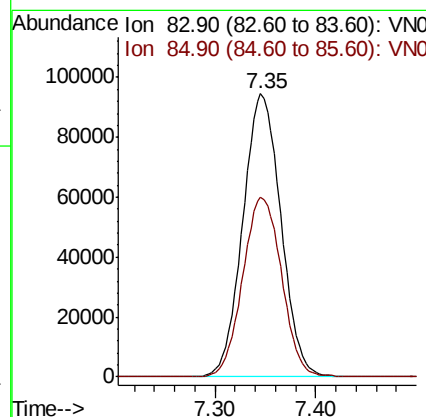
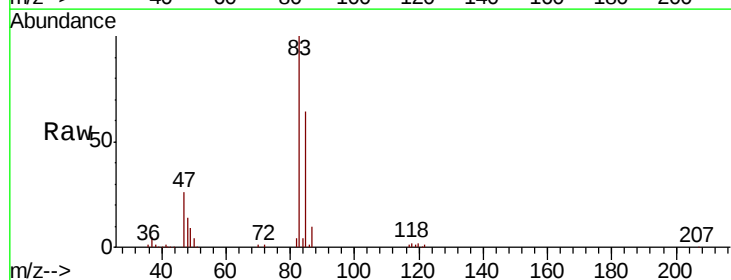
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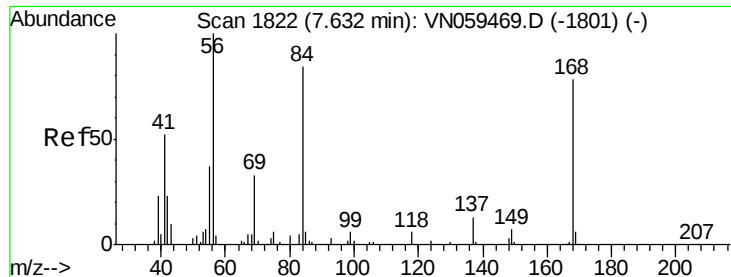
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#30
Chloroform
Concen: 47.148 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6





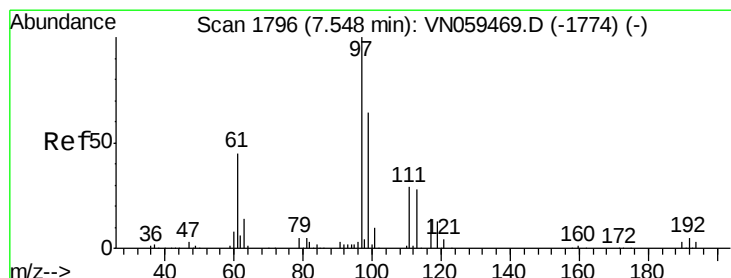
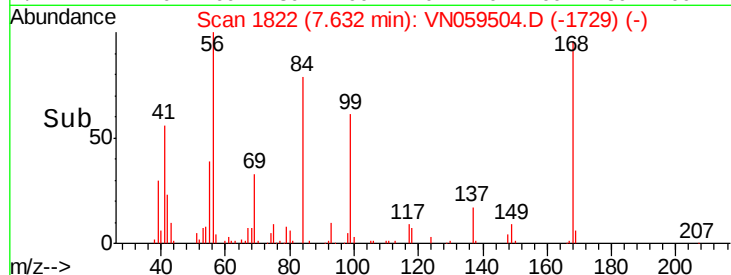
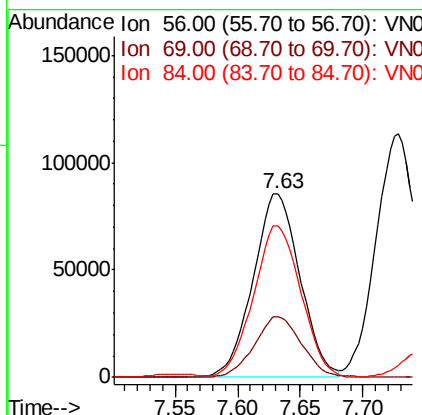
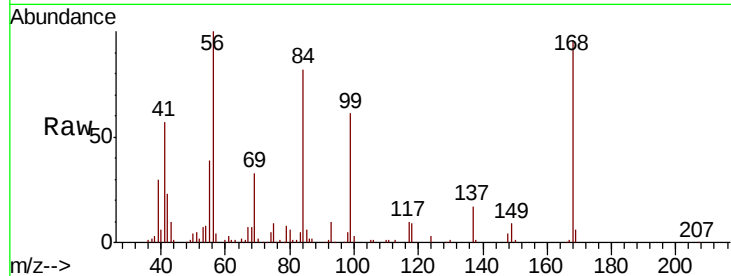
#31
Cyclohexane
Concen: 42.283 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.2	39.4
84	80.9	66.8	100.2

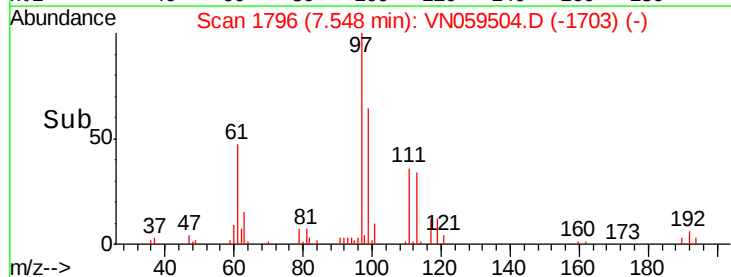
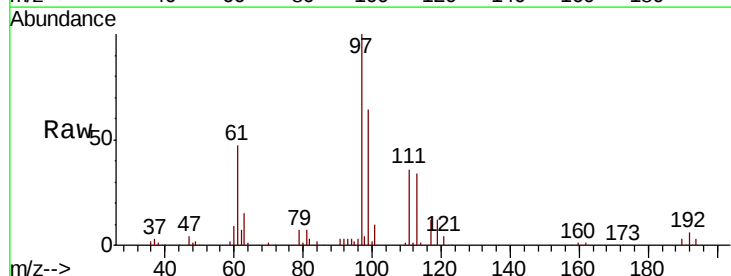
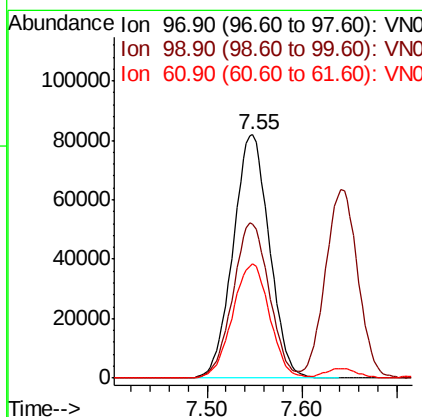
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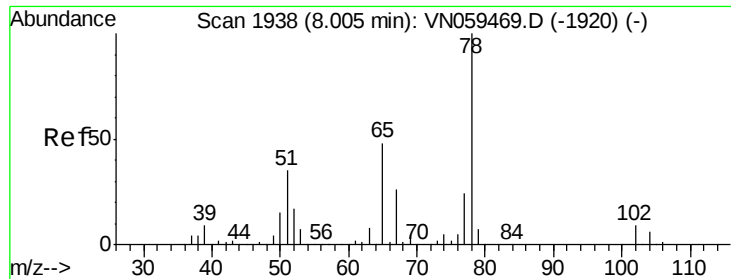
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#32
1,1,1-Trichloroethane
Concen: 47.813 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	48.2	35.4	53.0





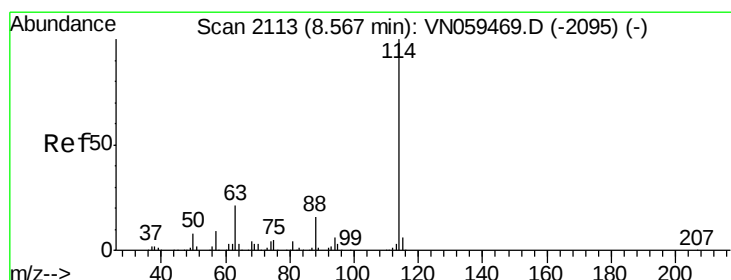
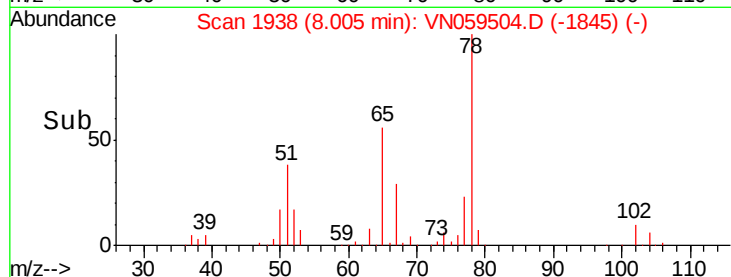
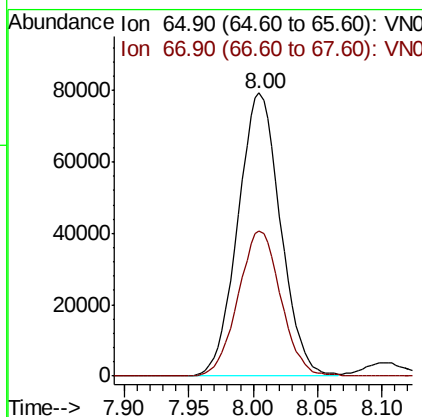
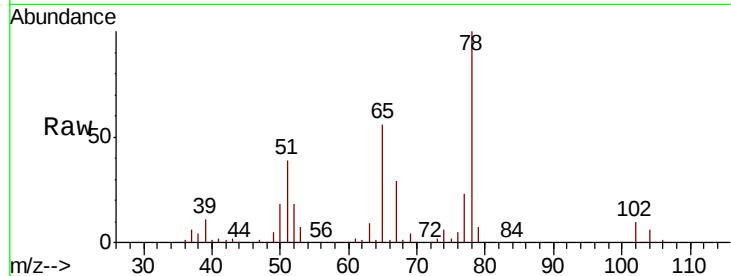
#33
 1,2-Dichloroethane-d4
 Concen: 58.488 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182592		
67	51.3	0.0	107.4	

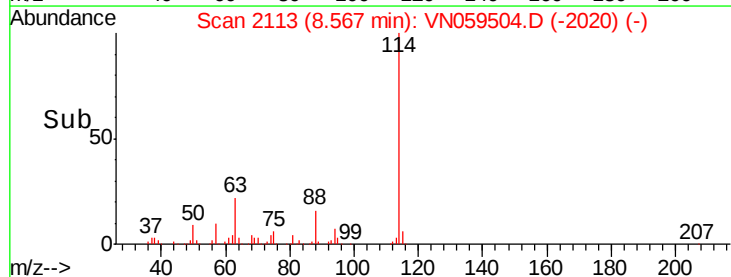
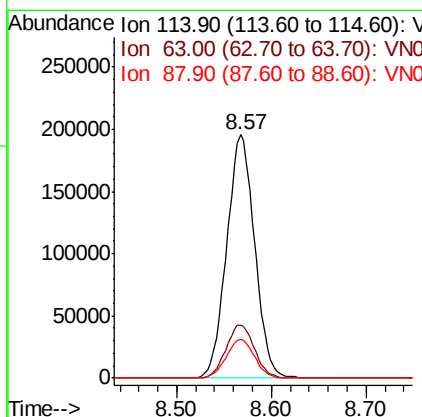
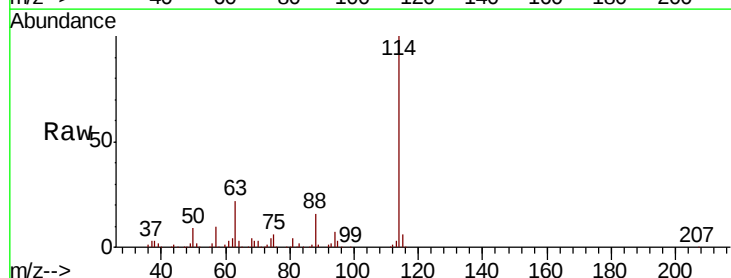
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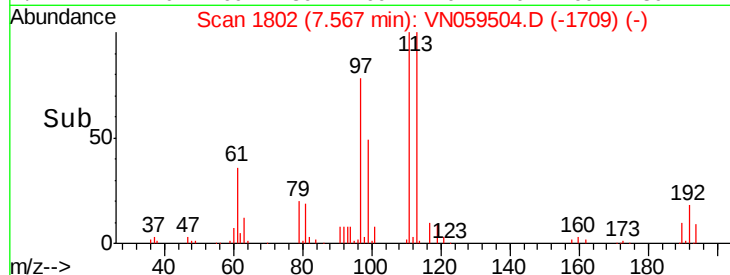
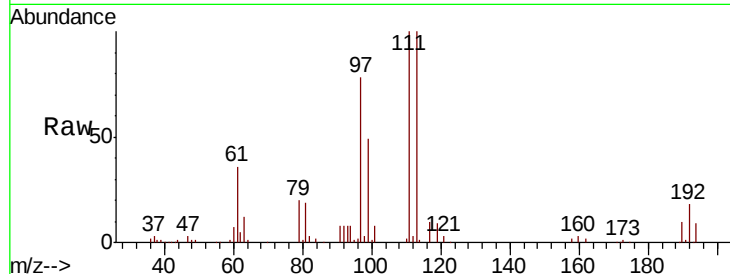
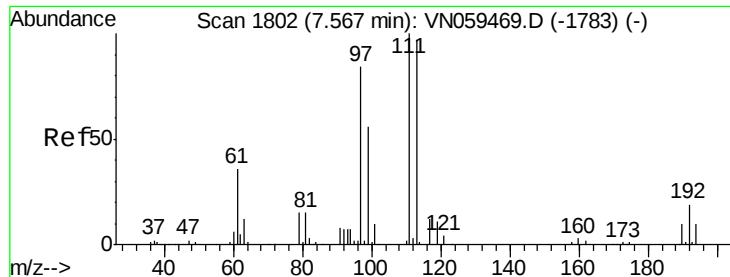
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401045		
63	22.0	0.0	42.4	
88	15.9	0.0	32.8	





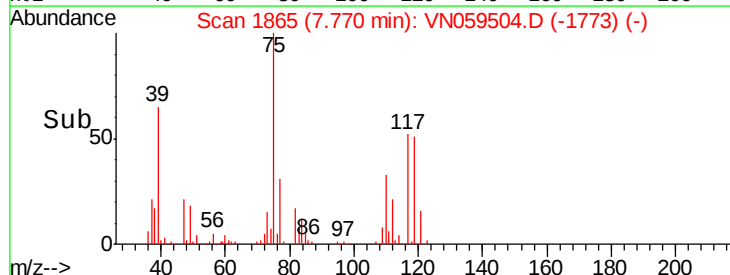
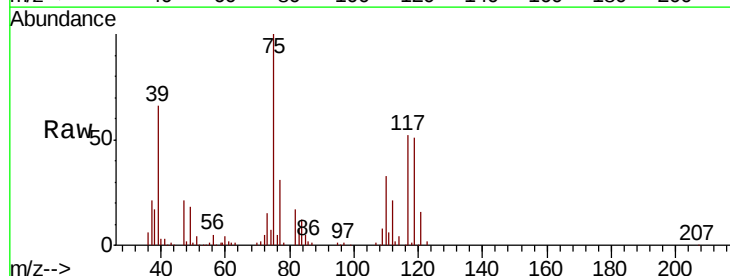
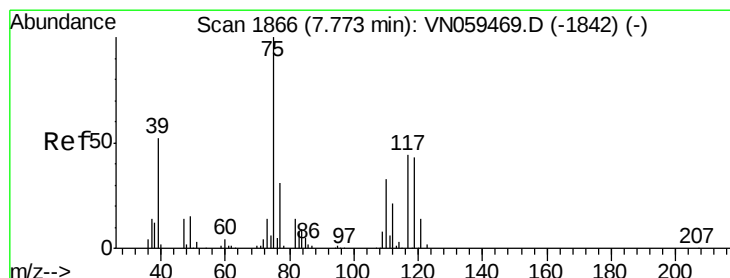
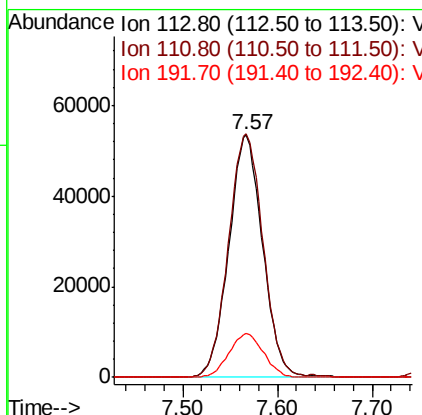
#35
Dibromofluoromethane
Concen: 53.160 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132783		
111	102.5	82.5	123.7	
192	18.5	16.1	24.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

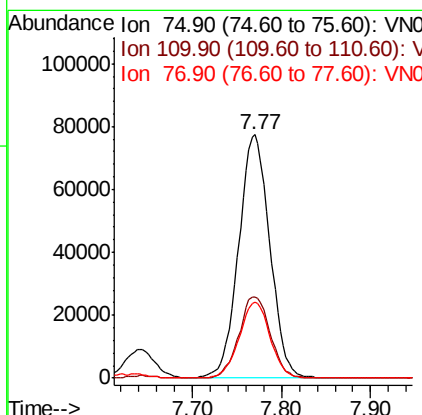
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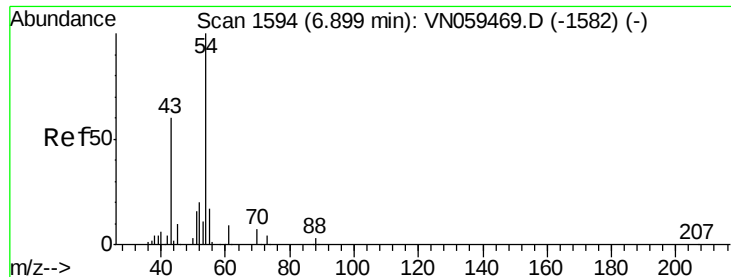
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#36
1,1-Dichloropropene
Concen: 45.039 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	187963		
110	33.5	16.9	50.7	
77	31.0	25.1	37.7	





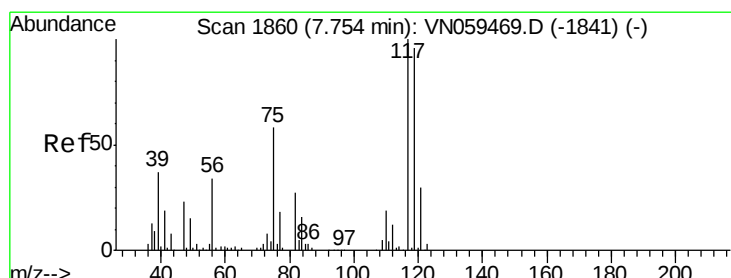
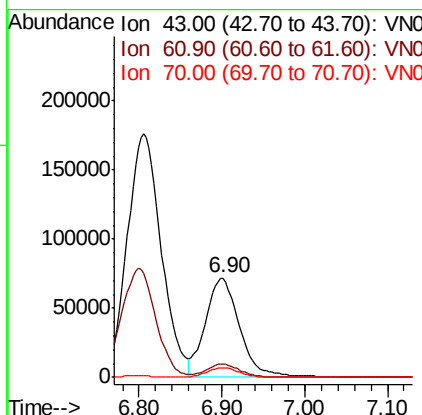
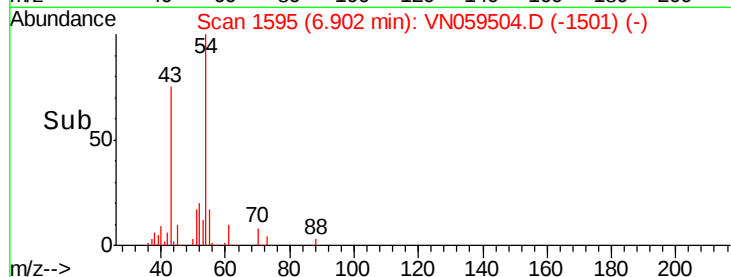
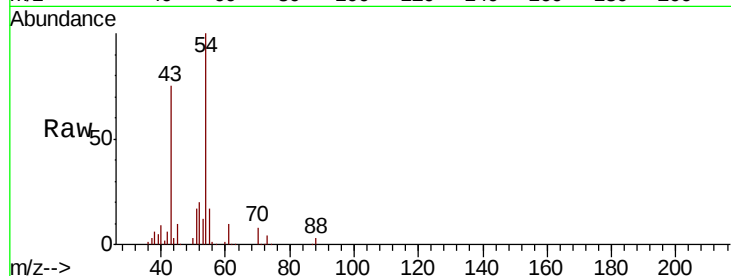
#37
Ethyl Acetate
Concen: 43.845 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	204391		
61	13.7		11.3	16.9
70	9.4		8.3	12.5

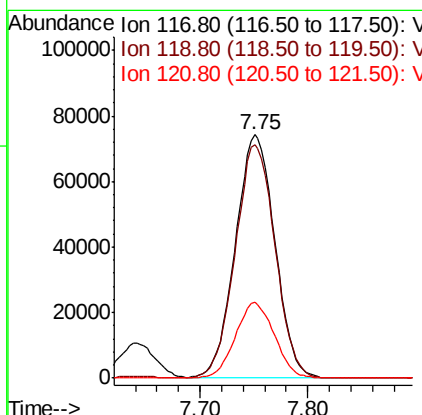
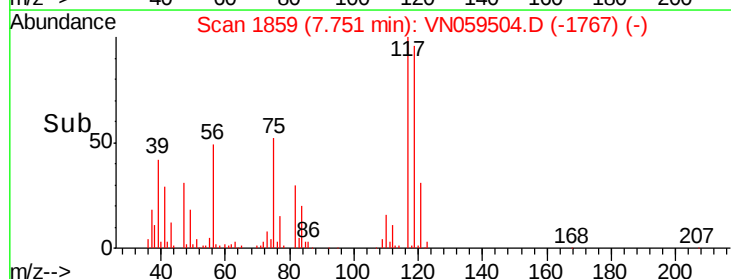
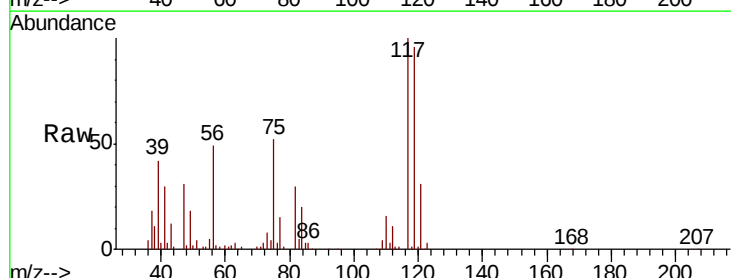
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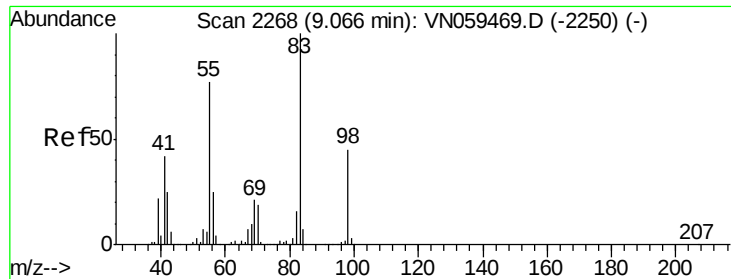
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#38
Carbon Tetrachloride
Concen: 47.285 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	189802		
119	96.0		76.6	114.8
121	31.4		24.0	36.0





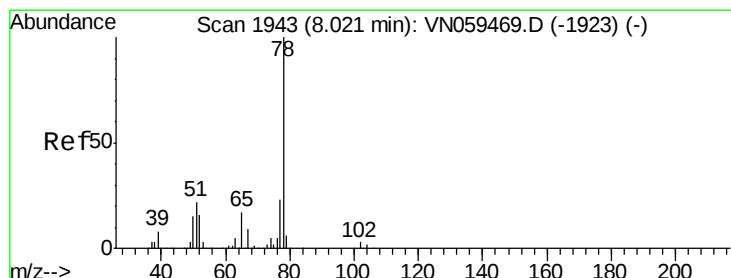
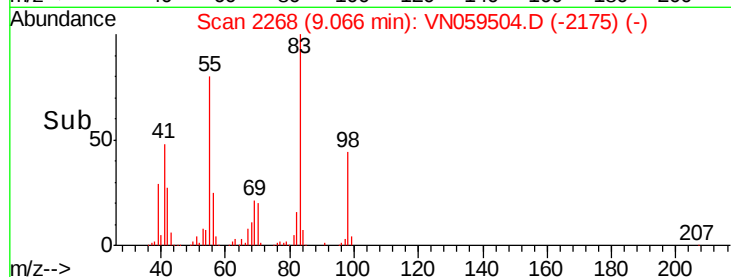
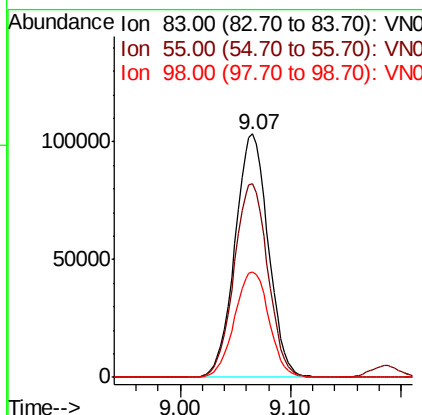
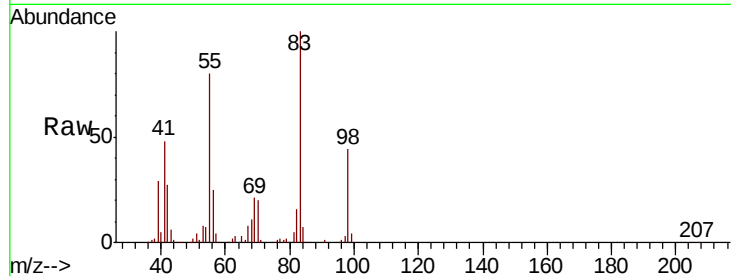
#39
Methvlcvclohexane
Concen: 43.095 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.5	61.8	92.6	
98	43.5	36.2	54.2	

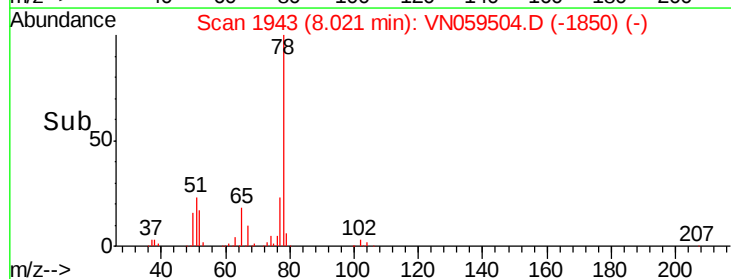
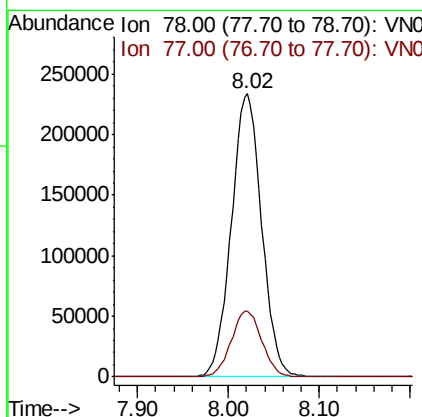
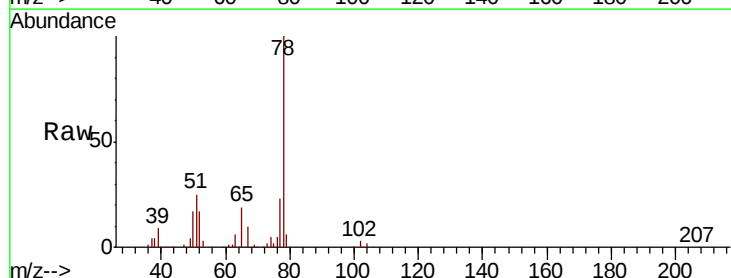
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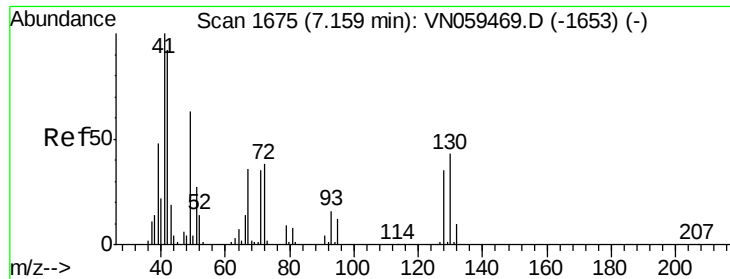
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#40
Benzene
Concen: 44.286 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.2	27.2	





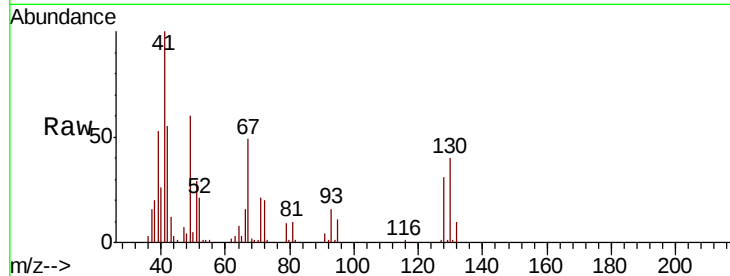
#41
Methacrylonitrile
Concen: 46.905 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

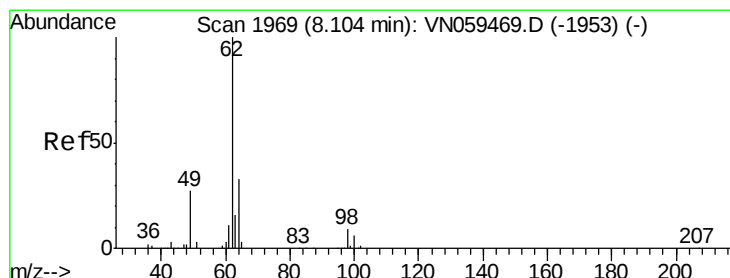
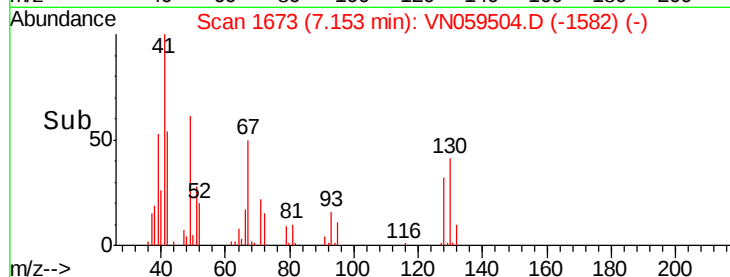
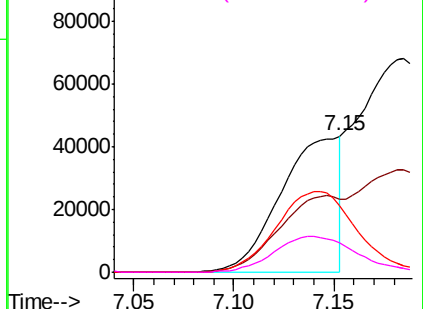
Tot Ion	41	Resp	88618
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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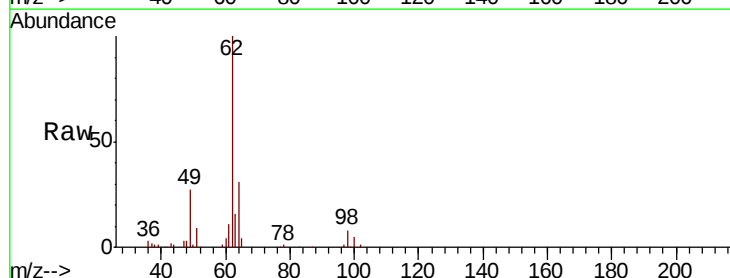


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

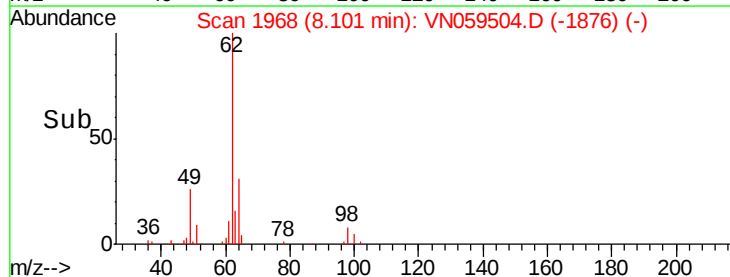
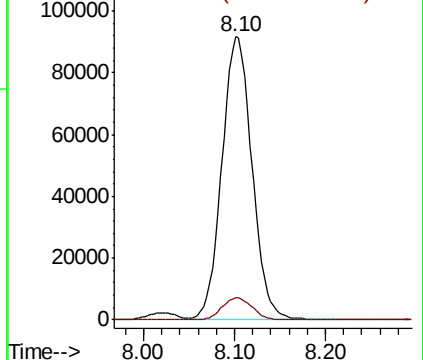


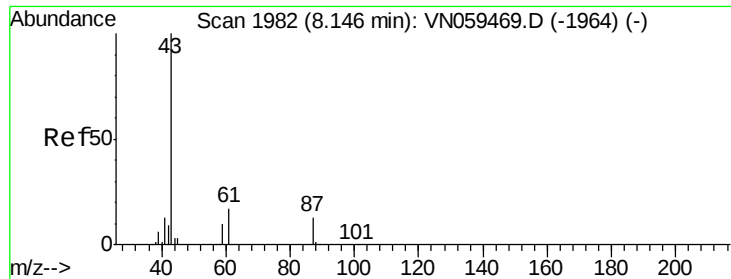
#42
1,2-Dichloroethane
Concen: 50.905 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	62	Resp	211326
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	17.8



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





#43

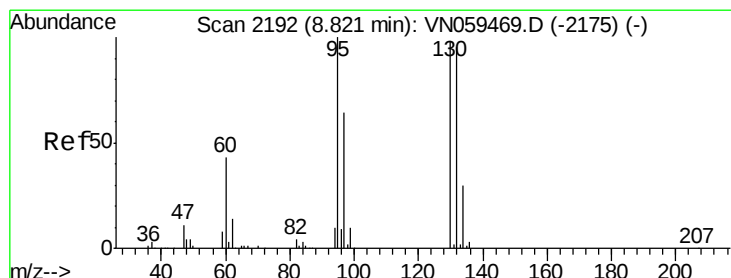
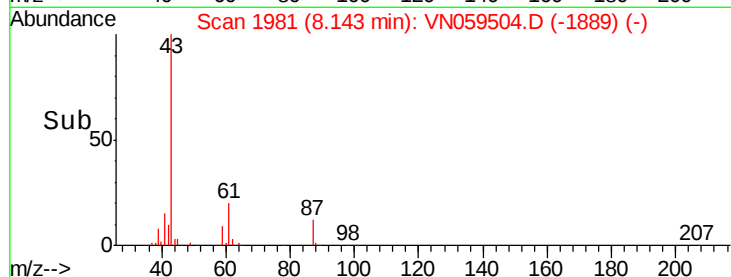
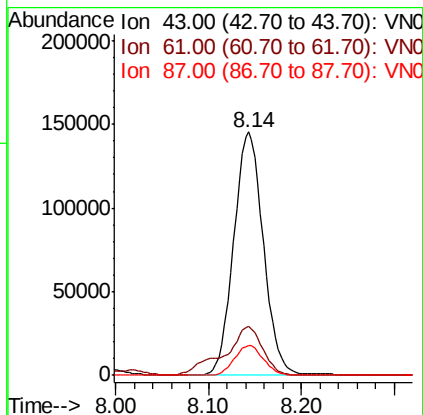
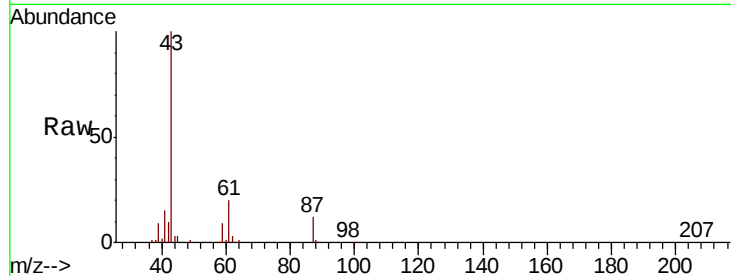
Isopropyl Acetate
 Concen: 46.249 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.6
87	12.0	10.4	15.6

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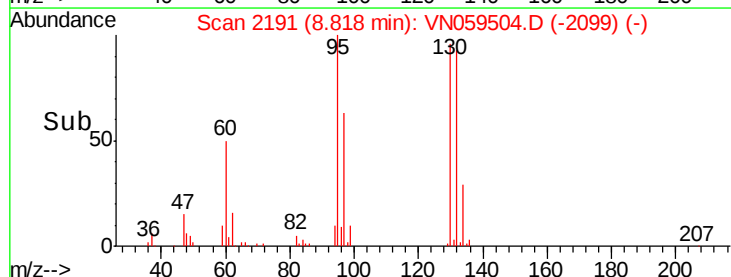
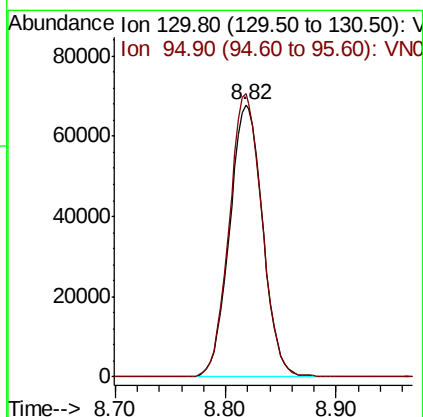
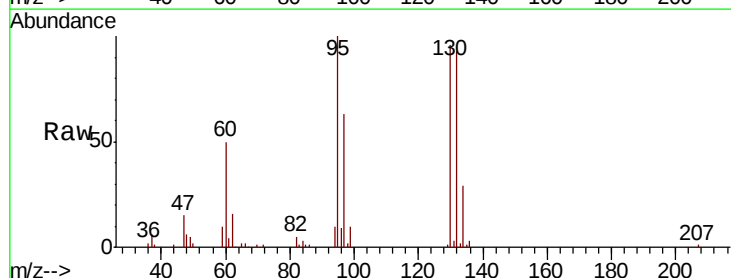
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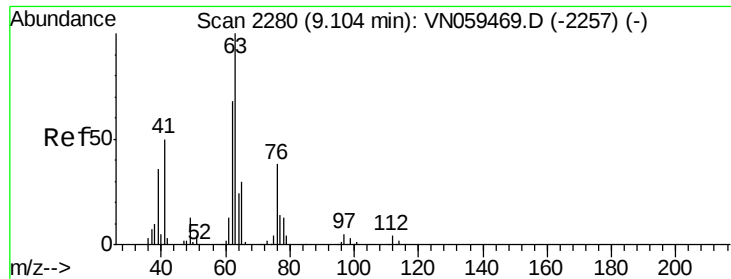


#44

Trichloroethene
 Concen: 44.194 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	203.6





#45

1,2-Dichloropropane

Concen: 45.580 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 148820

Ion Ratio Lower Upper

63 100

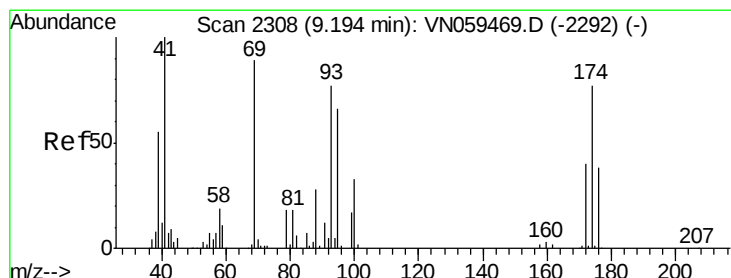
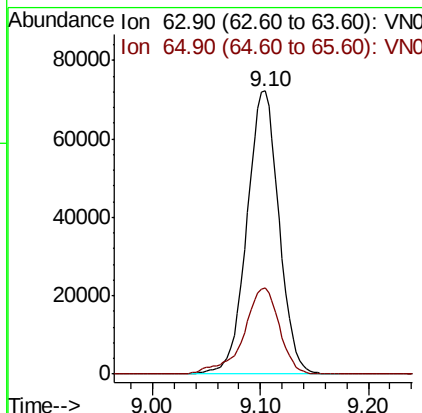
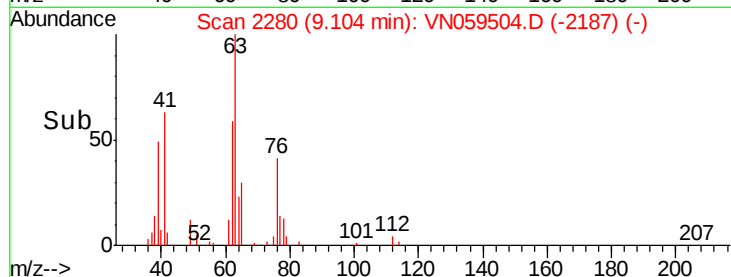
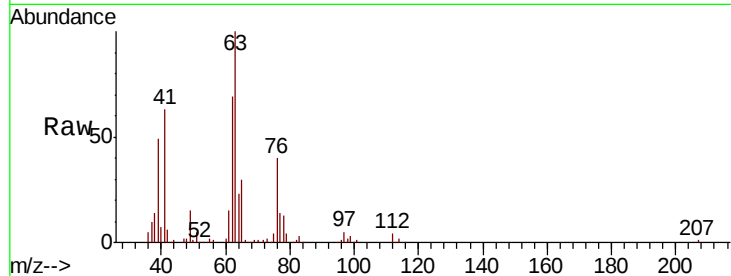
65 30.3 24.4 36.6

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#46

Dibromomethane

Concen: 46.958 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

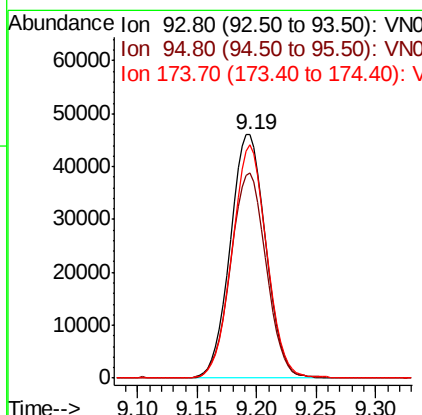
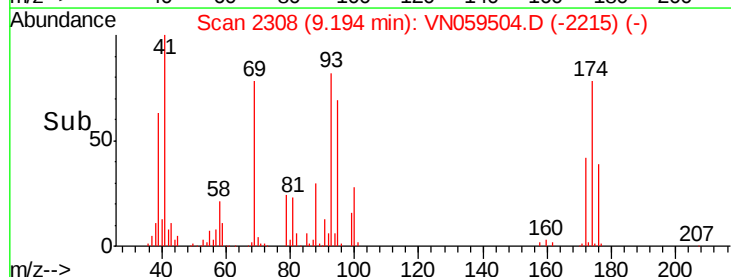
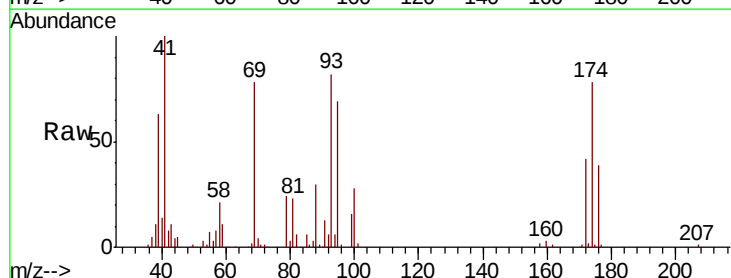
Tgt Ion: 93 Resp: 95456

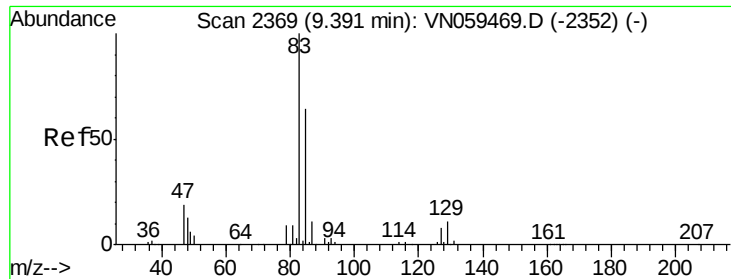
Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.6

174 93.1 79.6 119.4





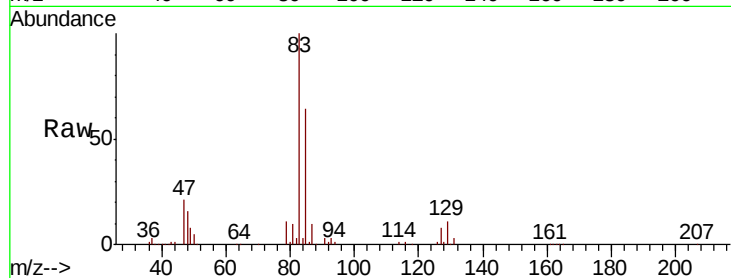
#47
Bromodichloromethane
Concen: 48.416 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

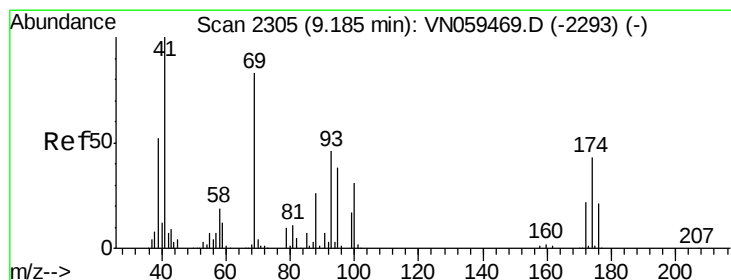
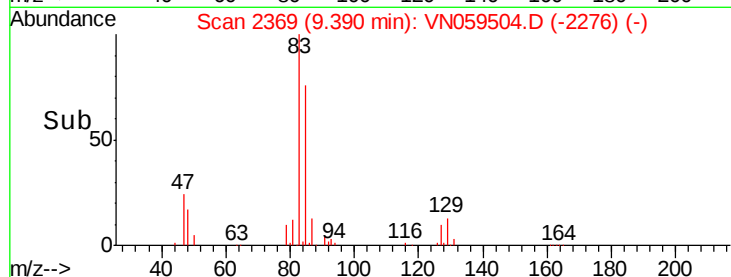
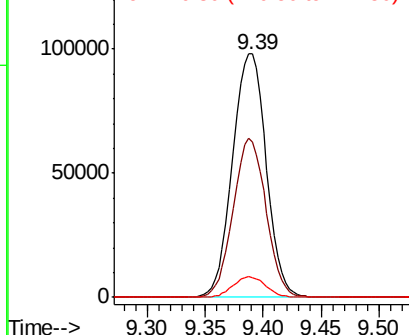
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.6
127	8.3	6.6	9.8

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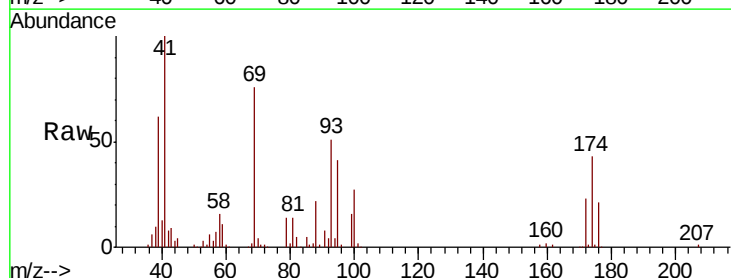


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

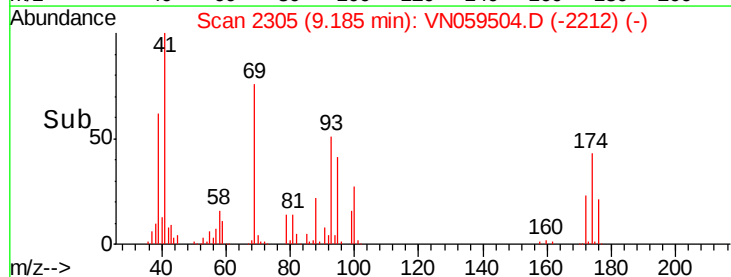
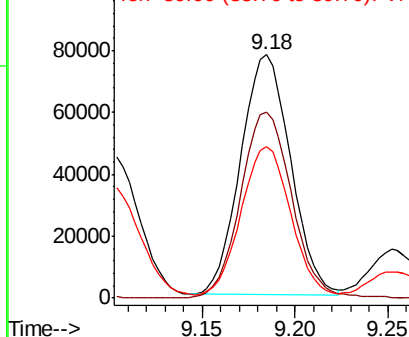


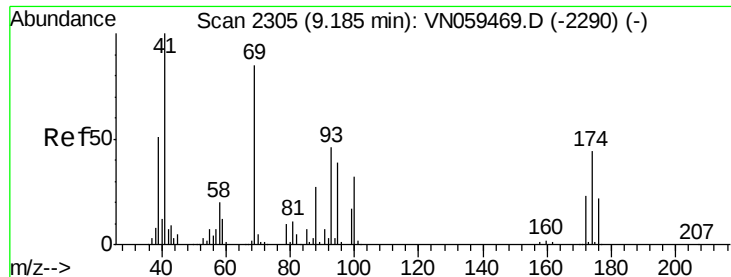
#48
Methyl methacrylate
Concen: 46.751 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.2	68.6	103.0
39	62.9	43.2	64.8



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





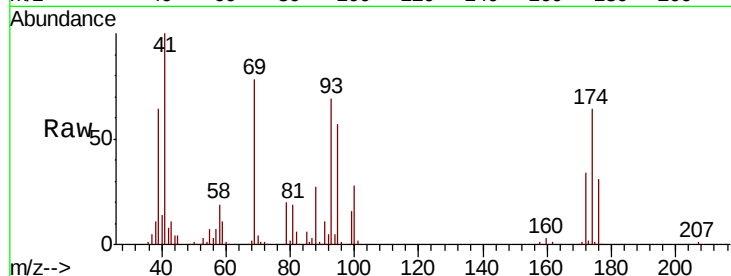
#49
1,4-Dioxane
Concen: 798.327 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	27.1	40.7
58	71.7	57.8	86.6

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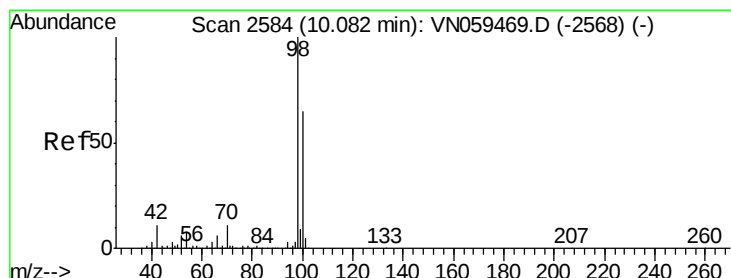
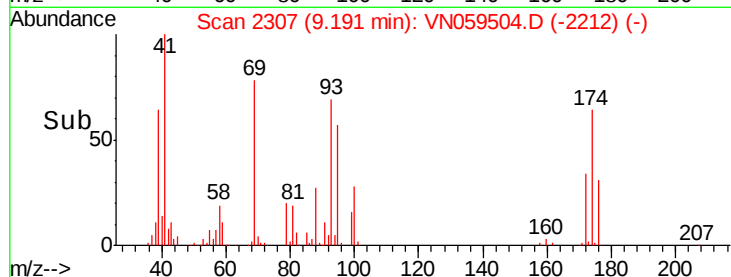
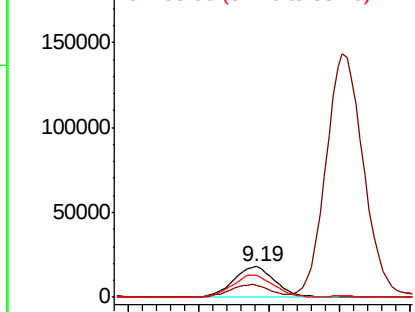


Abundance

Ion 88.00 (87.70 to 88.70): VN059469.D (-2290) (-)

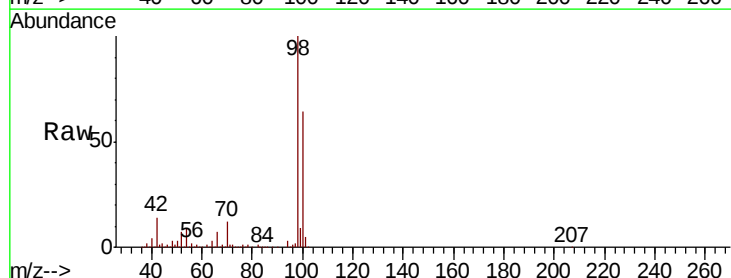
Ion 43.00 (42.70 to 43.70): VN059469.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2290) (-)



#50
Toluene-d8
Concen: 52.173 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

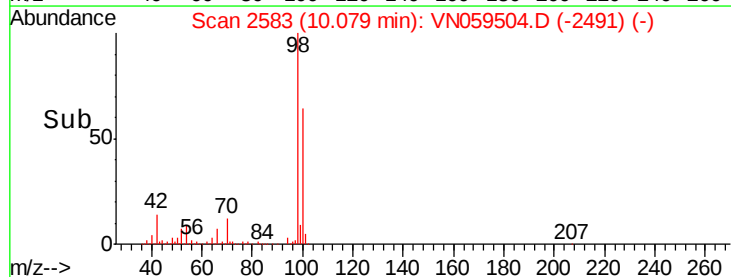
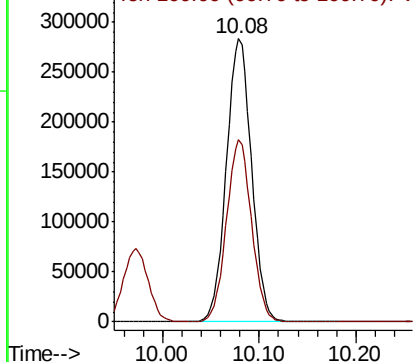
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.1	78.1

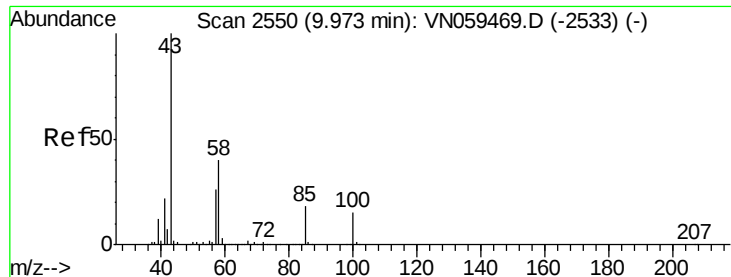


Abundance

Ion 98.00 (97.70 to 98.70): VN059469.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059469.D (-2568) (-)





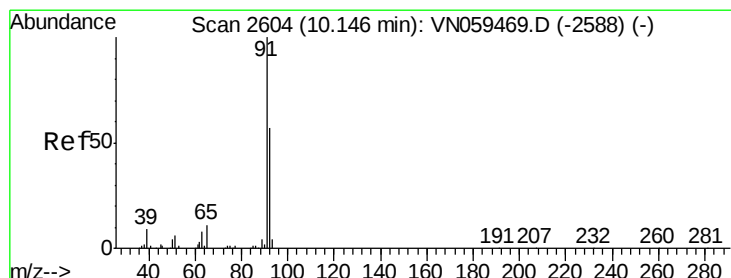
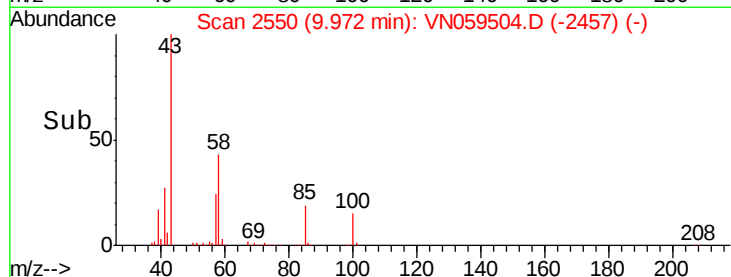
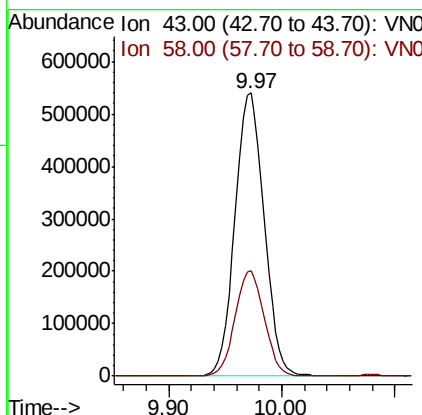
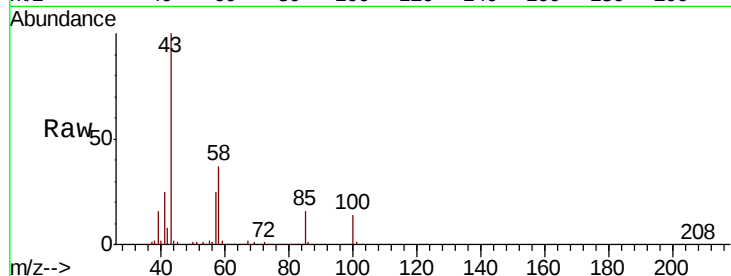
#51
4-Methyl-2-Pentanone
Concen: 236.832 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	32.1	48.1

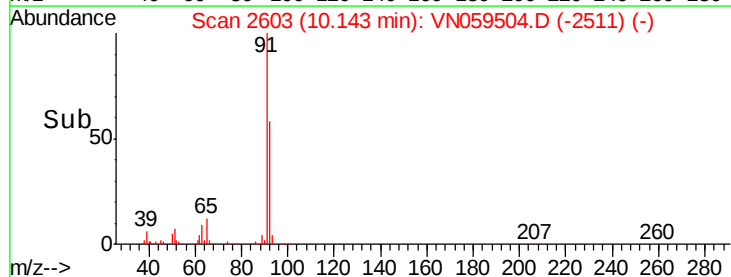
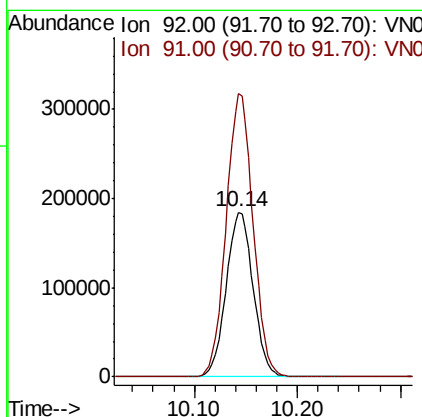
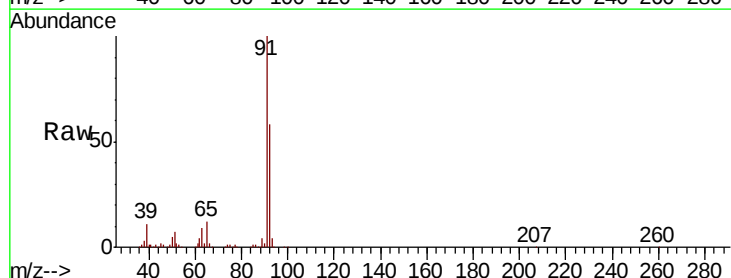
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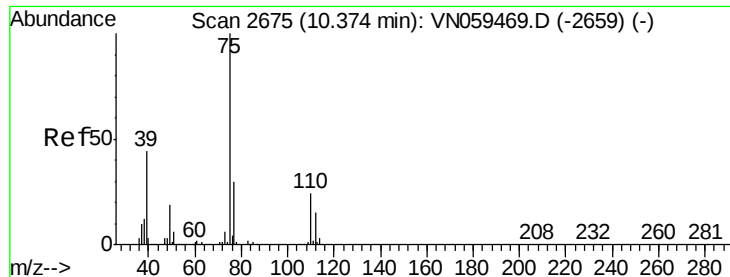
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#52
Toluene
Concen: 45.451 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	138.6	208.0





#53

t-1,3-Dichloropropene

Concen: 46.227 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 221711

Ion Ratio Lower Upper

75 100

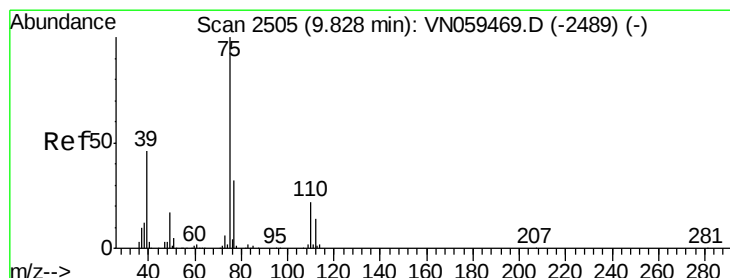
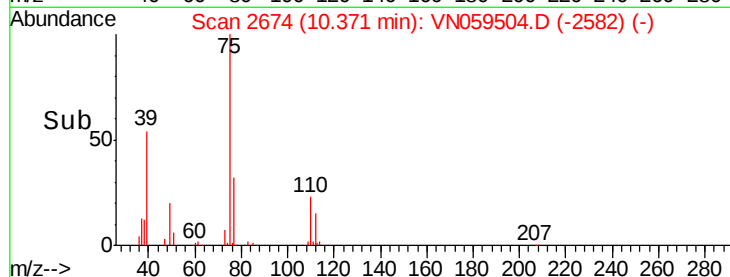
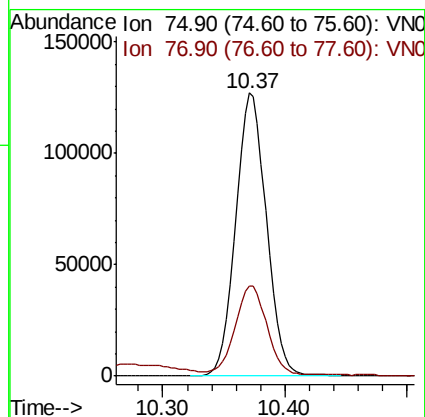
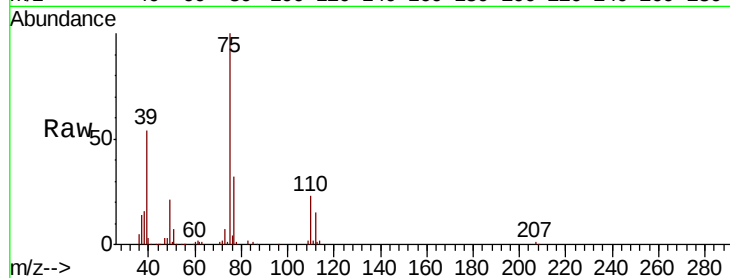
77 31.5 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 45.836 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

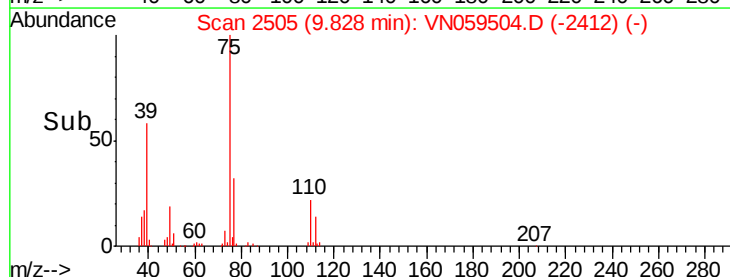
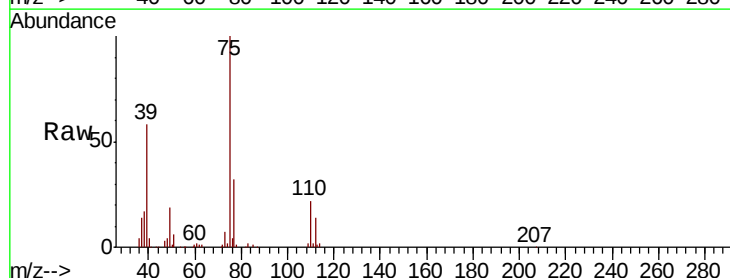
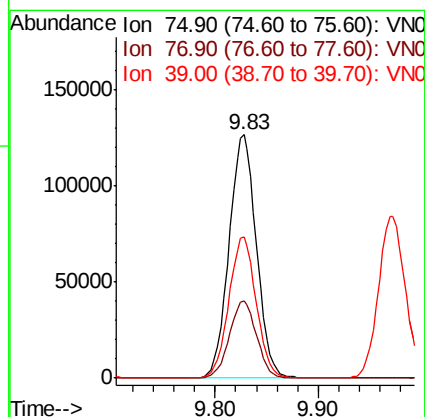
Tgt Ion: 75 Resp: 233012

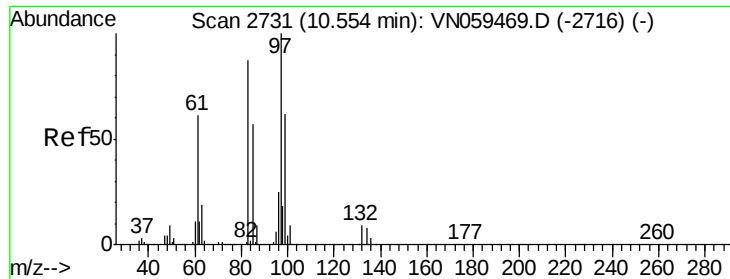
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 58.0 36.6 54.8#





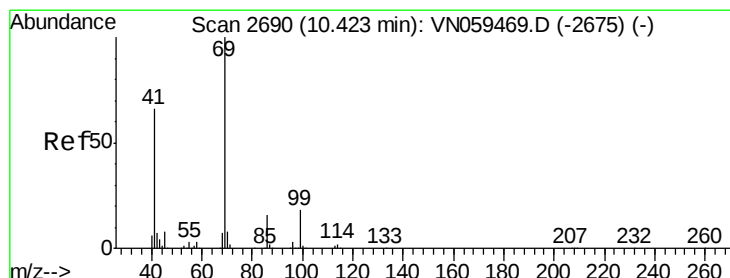
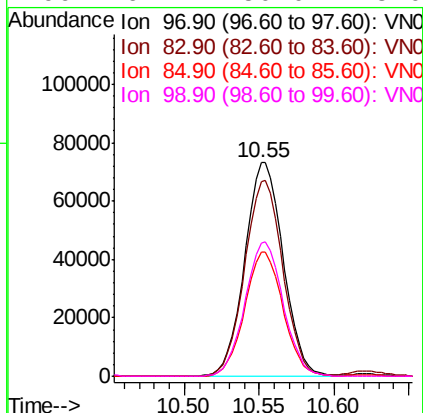
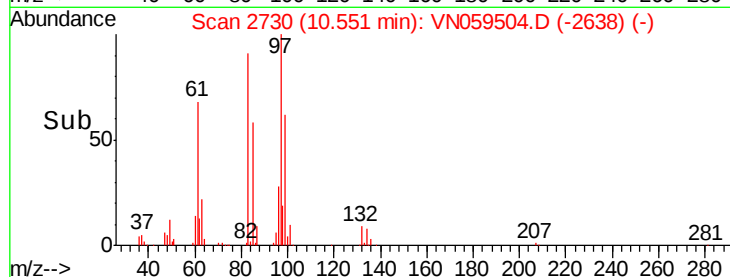
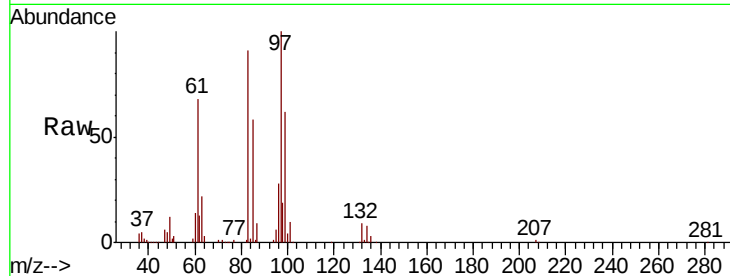
#55
 1,1,2-Trichloroethane
 Concen: 45.065 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.8	104.8
85	58.0	45.5	68.3
99	62.4	50.0	75.0

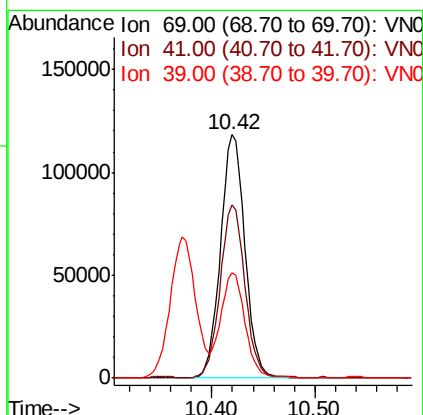
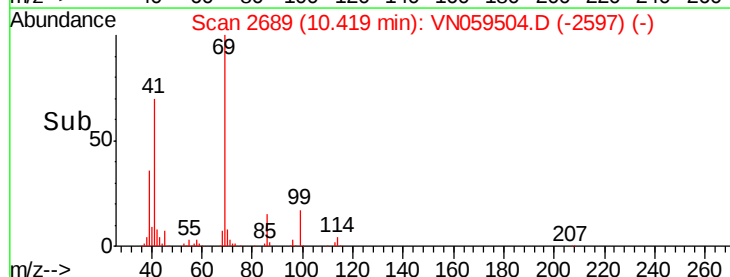
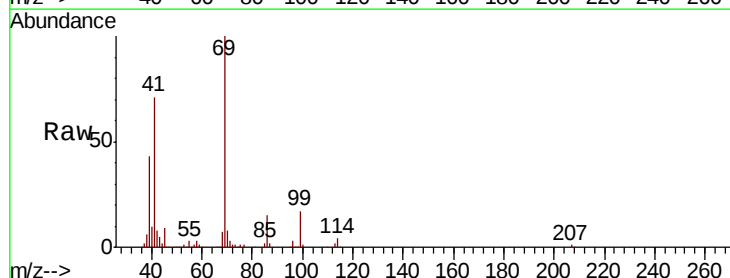
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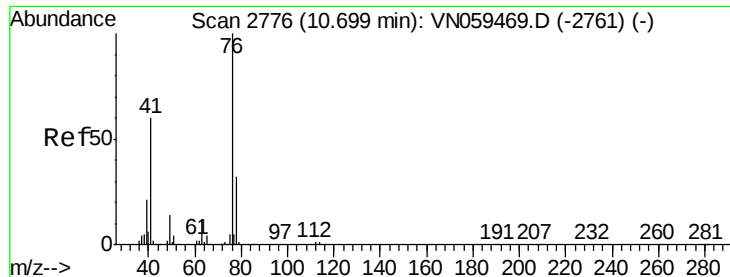
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#56
 Ethyl methacrylate
 Concen: 41.655 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	52.7	79.1
39	43.1	25.0	37.6#





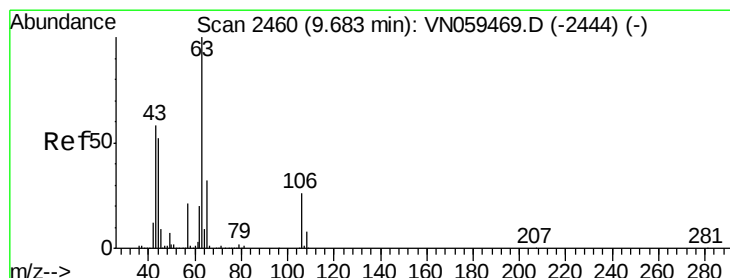
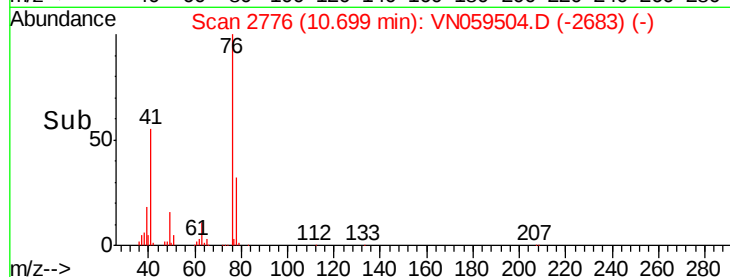
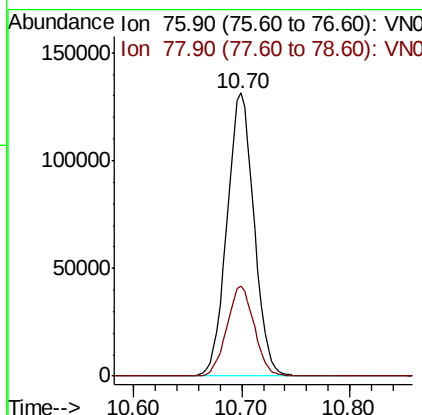
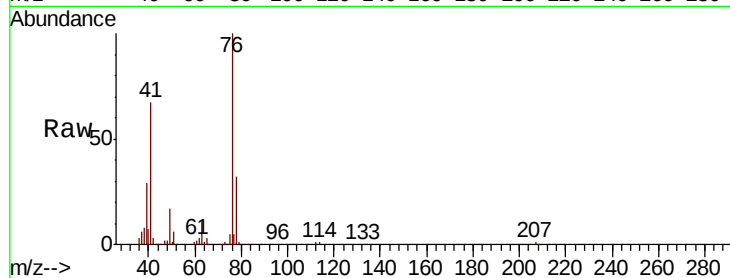
#57
 1,3-Dichloropropane
 Concen: 45.562 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

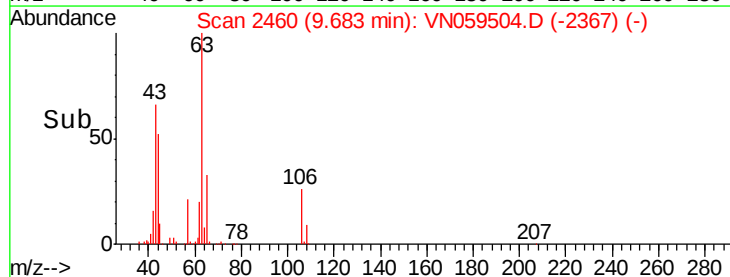
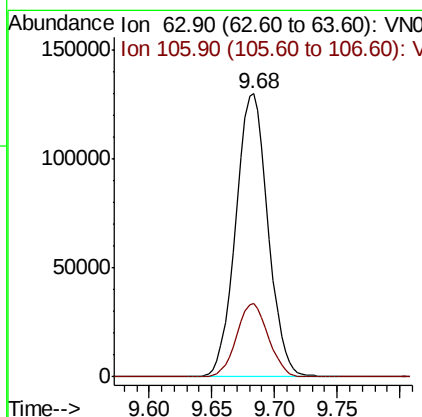
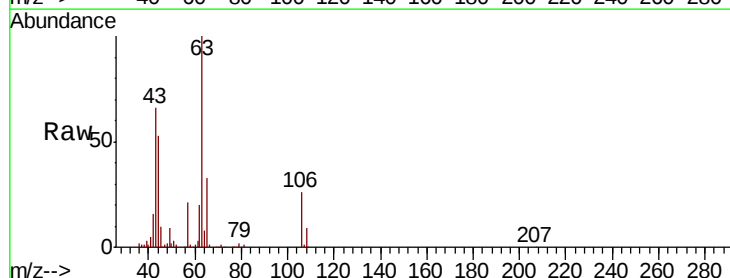
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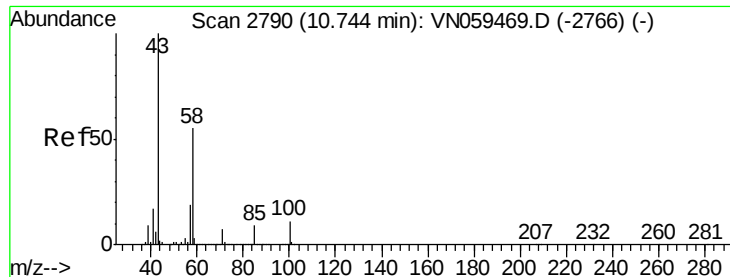
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#58
 2-Chloroethyl Vinyl ether
 Concen: 150.973 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	20.4	30.6





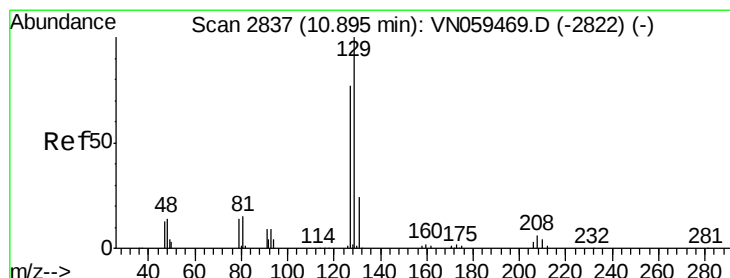
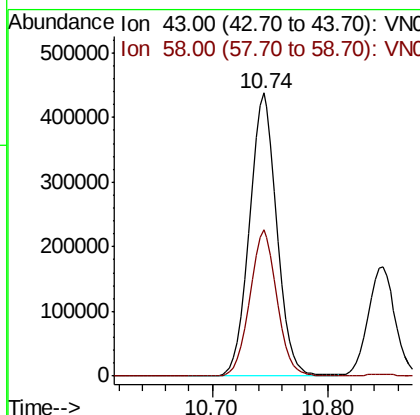
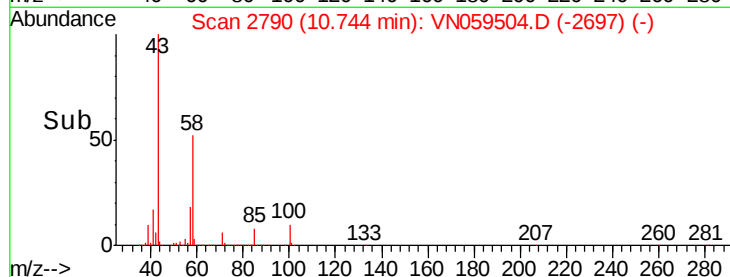
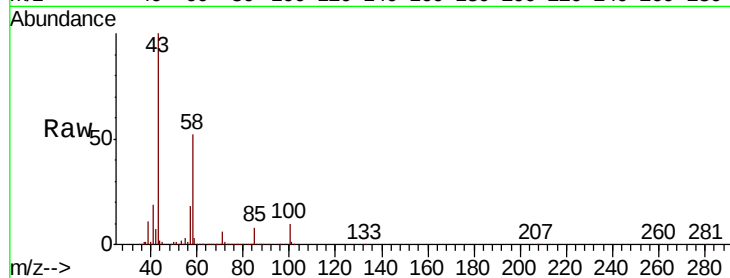
#59
2-Hexanone
Concen: 232.857 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	27.7	83.0

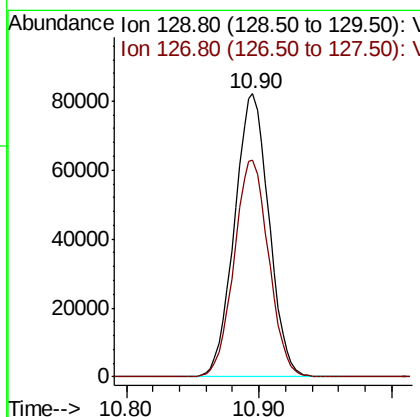
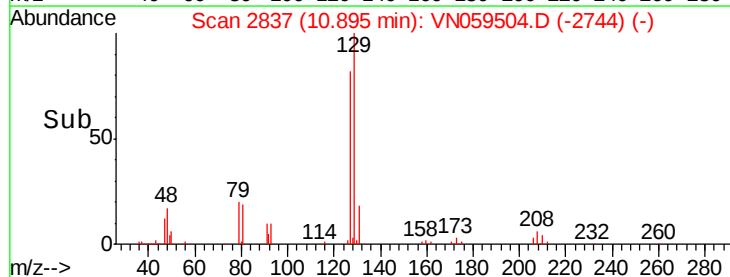
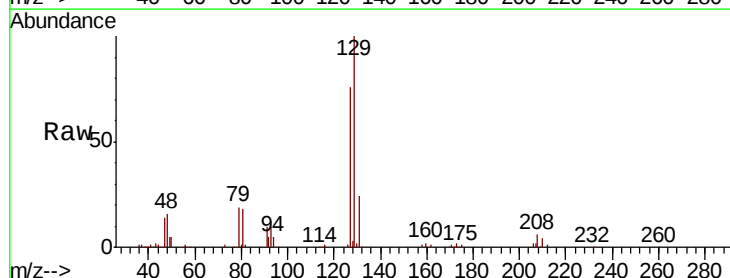
Manual Integrations
APPROVED

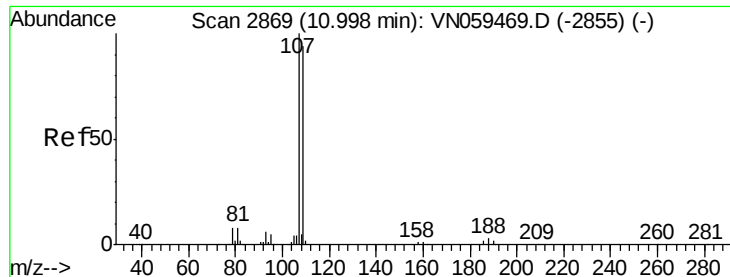
apatel
12/9/2019 8:47:40 AM



#60
Dibromochloromethane
Concen: 47.597 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.0	116.9





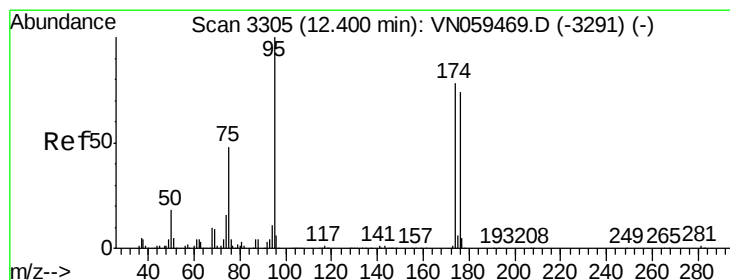
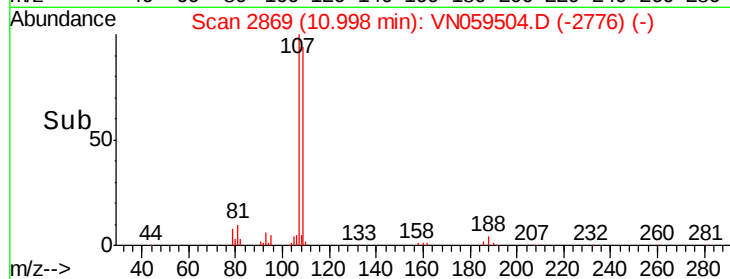
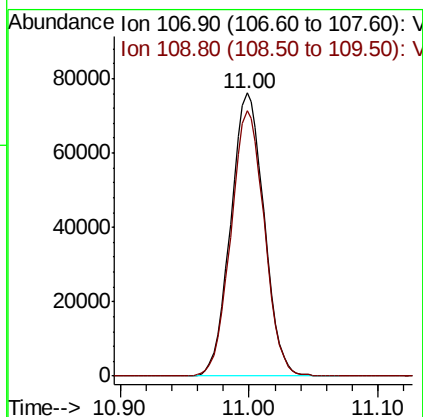
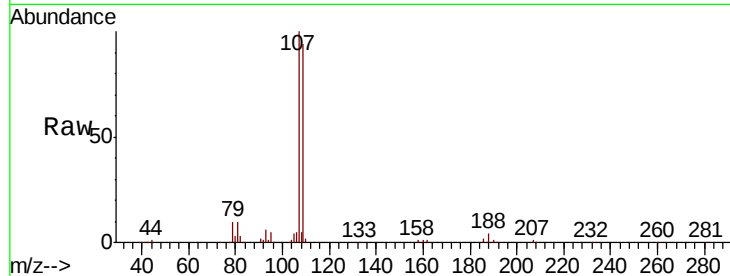
#61
 1,2-Dibromoethane
 Concen: 45.440 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

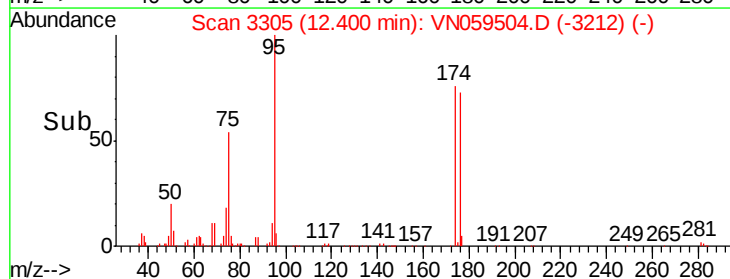
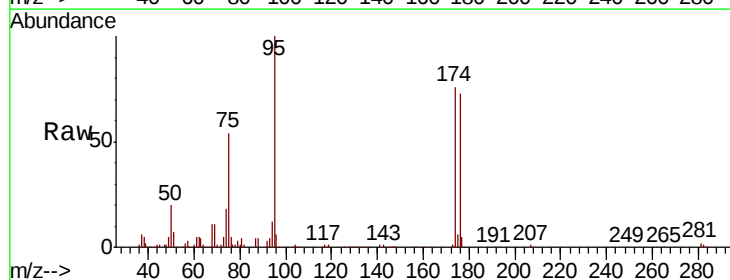
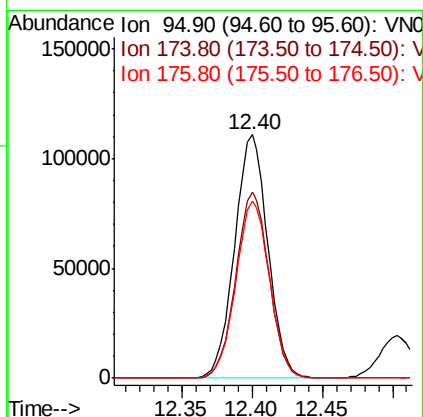
Manual Integrations
 APPROVED

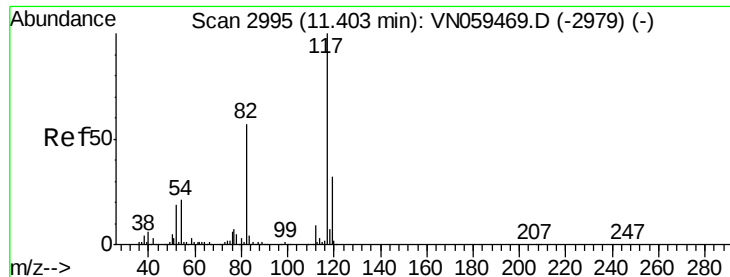
apatel
 12/9/2019 8:47:40 AM



#62
 4-Bromofluorobenzene
 Concen: 53.275 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	157.0
176	73.7	0.0	152.4





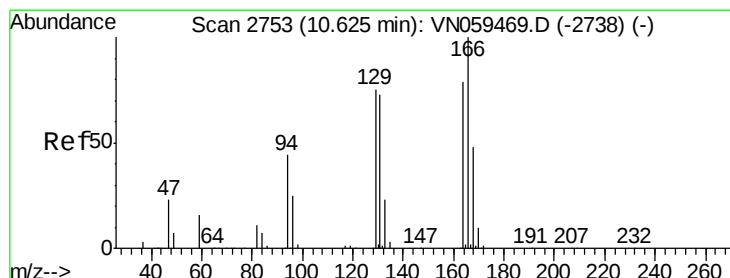
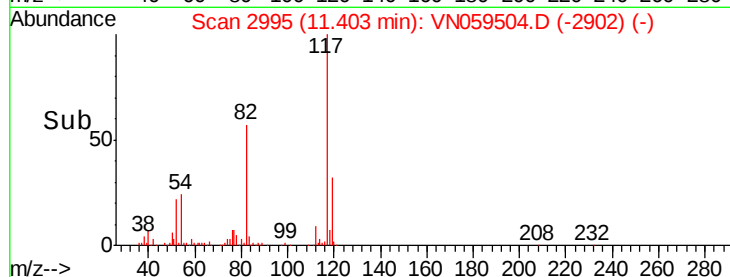
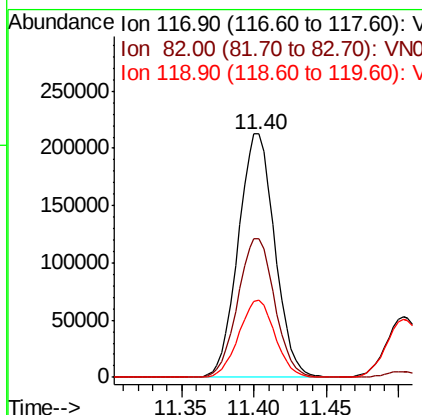
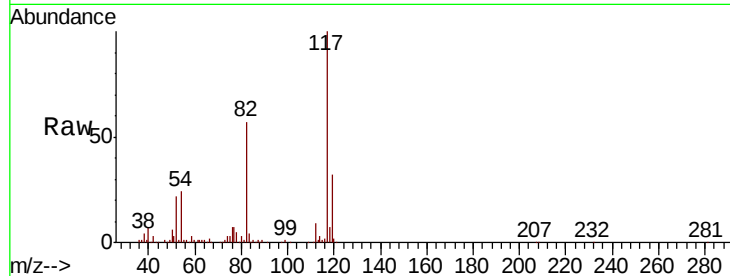
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.8
119	31.8	25.4	38.0

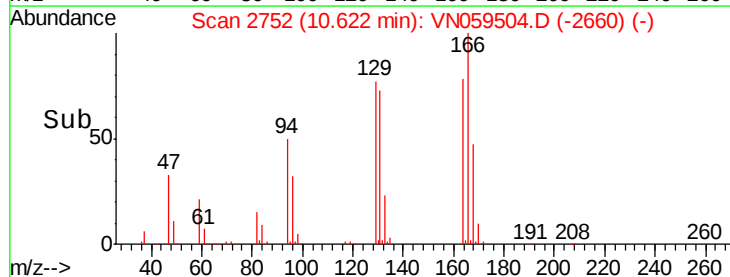
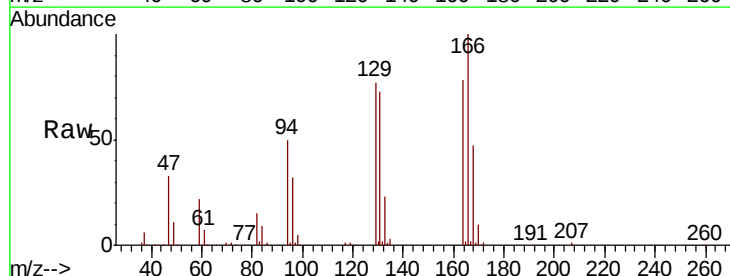
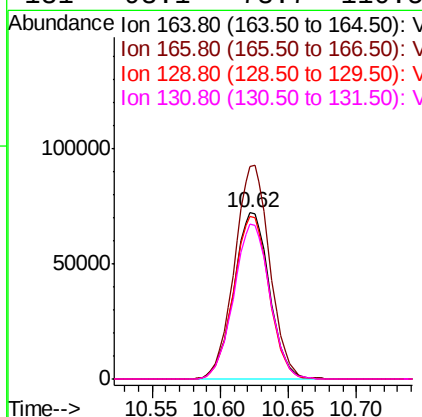
Manual Integrations
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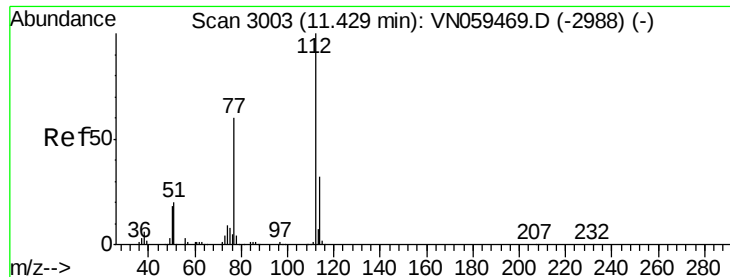
apatel
12/9/2019 8:47:40 AM



#64
Tetrachloroethene
Concen: 41.239 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.2	151.8
129	98.0	76.1	114.1
131	93.1	73.7	110.5





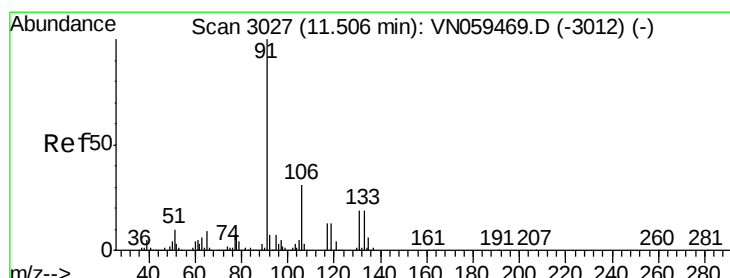
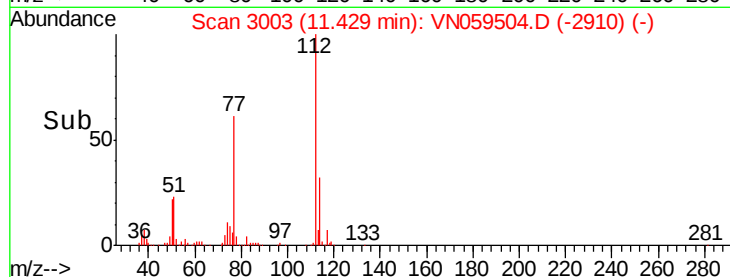
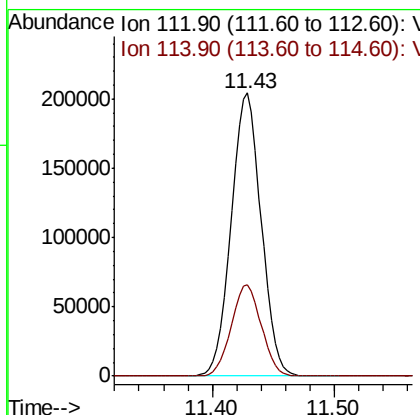
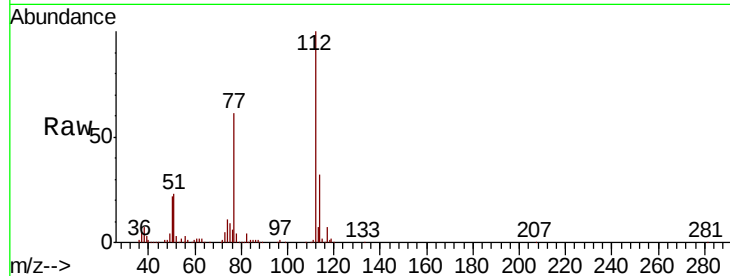
#65
Chlorobenzene
Concen: 42.854 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

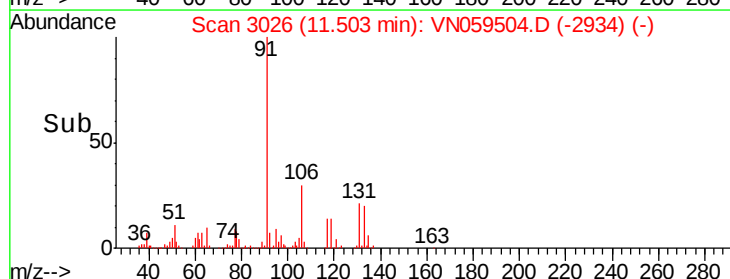
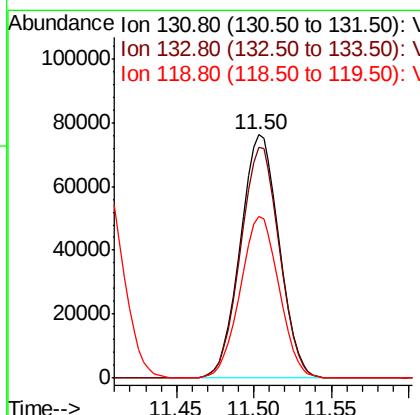
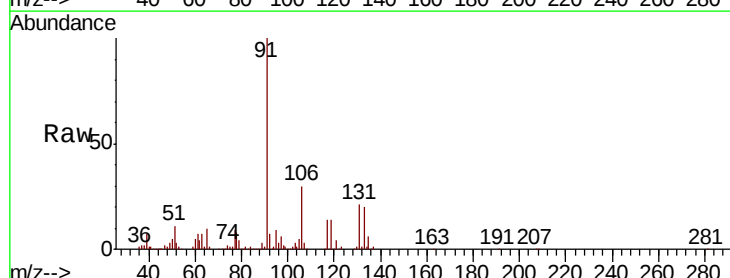
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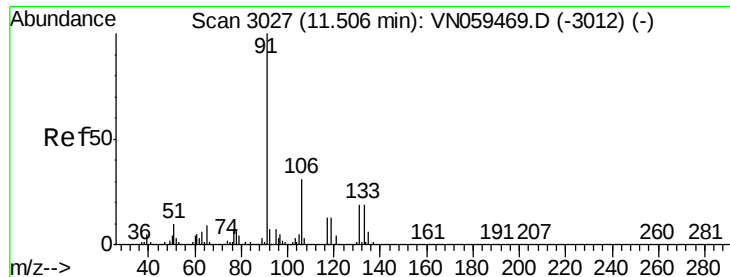
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.519 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.0	144.0
119	66.5	33.9	101.6





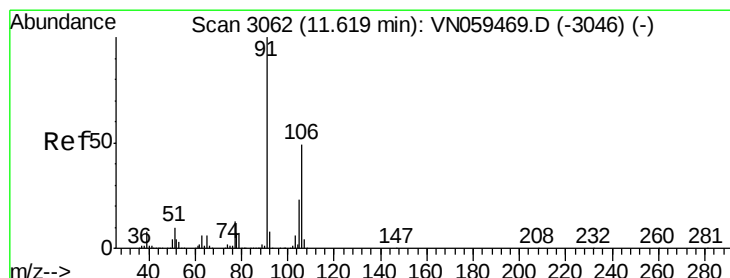
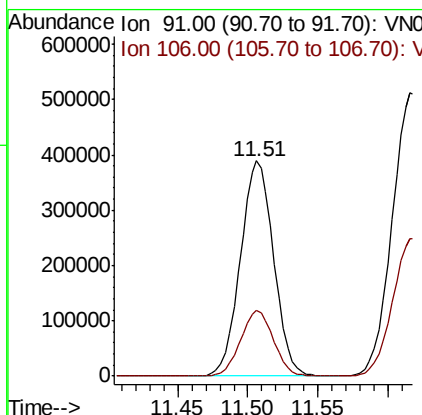
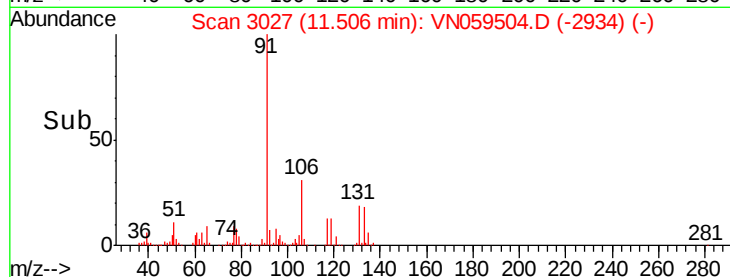
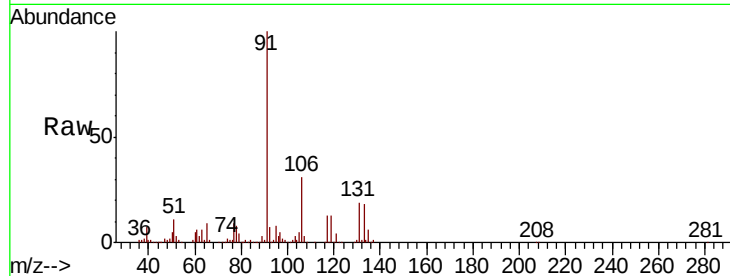
#67
Ethyl Benzene
Concen: 44.989 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 642115
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

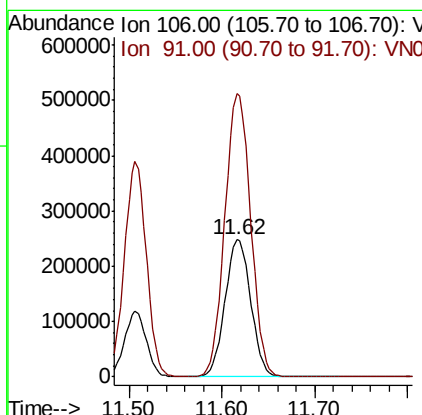
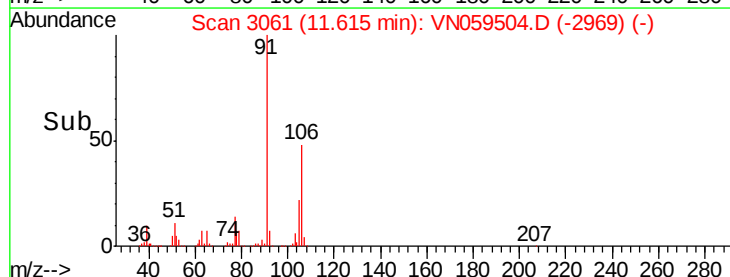
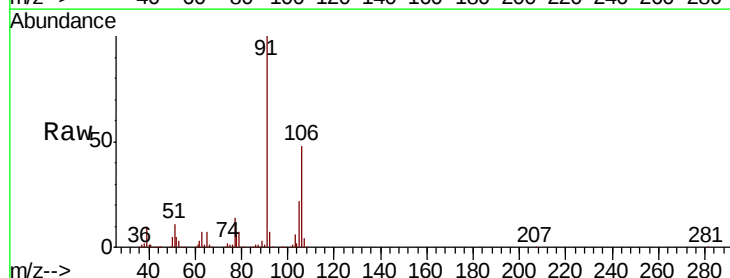
Manual Integrations
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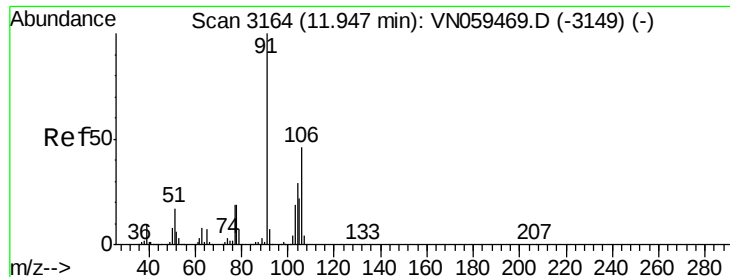
apatel
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#68
m/p-Xylenes
Concen: 89.607 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 106 Resp: 476210
Ion Ratio Lower Upper
106 100
91 208.0 162.2 243.4





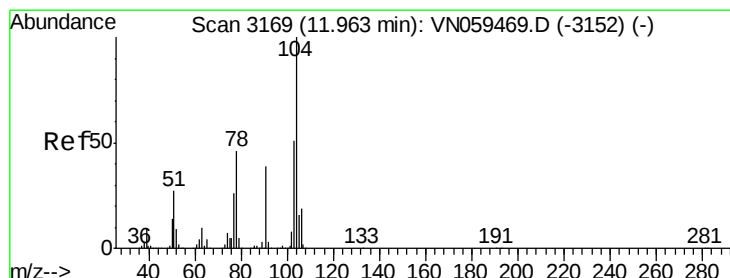
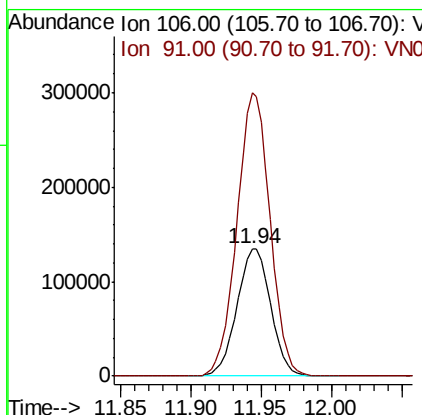
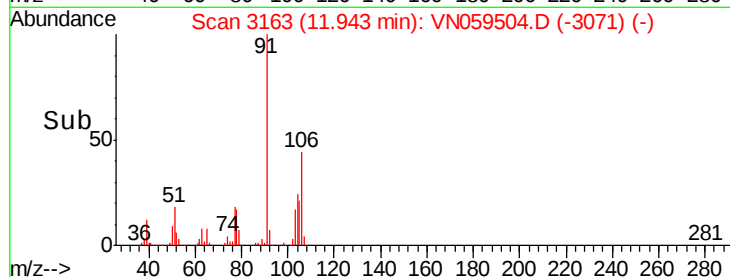
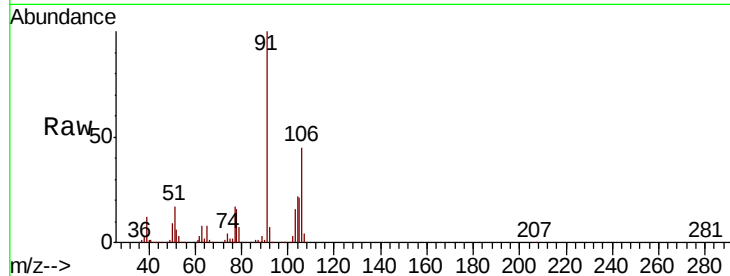
#69
o-Xylene
Concen: 44.566 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	225483		
91	91	218.7	108.5	325.3	

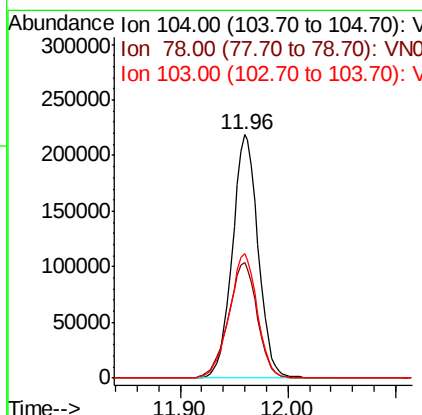
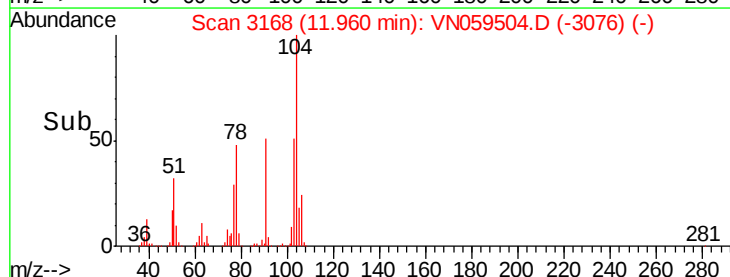
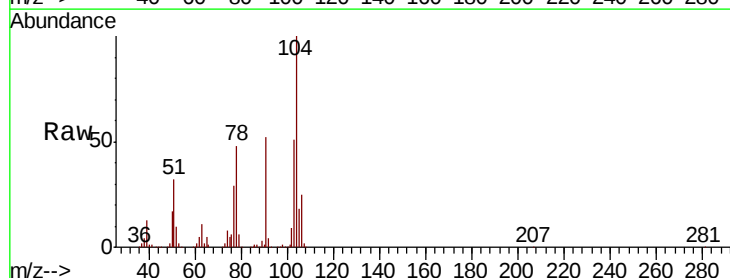
Manual Integrations
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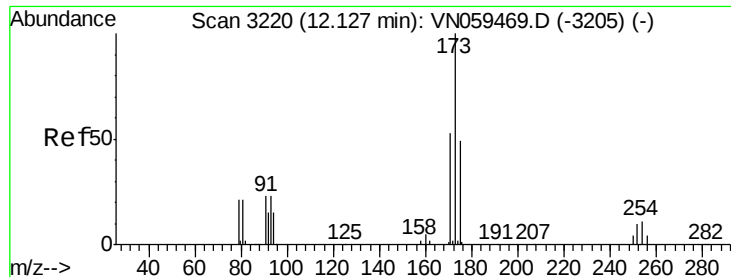
apatel
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#70
Styrene
Concen: 45.253 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	365504		
78	78	53.3	41.0	61.4	
103	103	55.4	44.7	67.1	





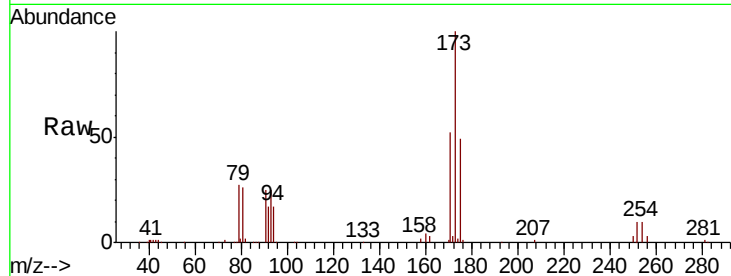
#71
Bromoform
Concen: 44.567 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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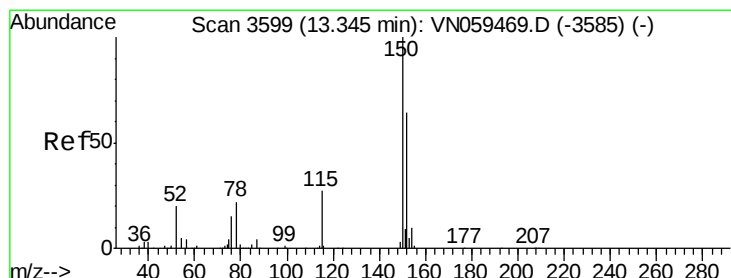
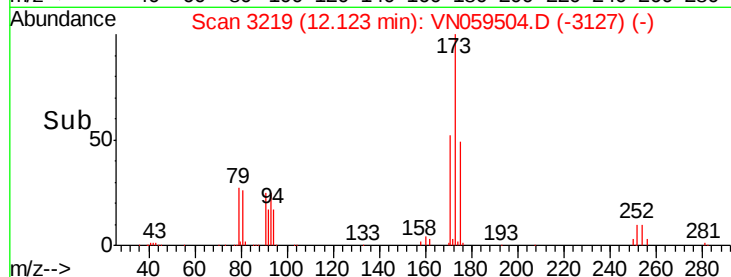
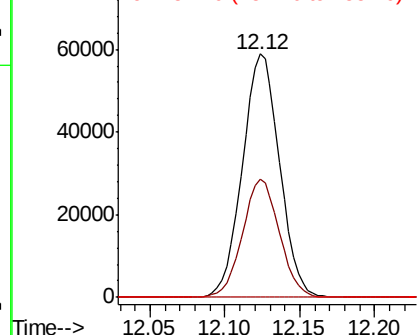


Abundance

Ion 172.70 (172.40 to 173.40): V

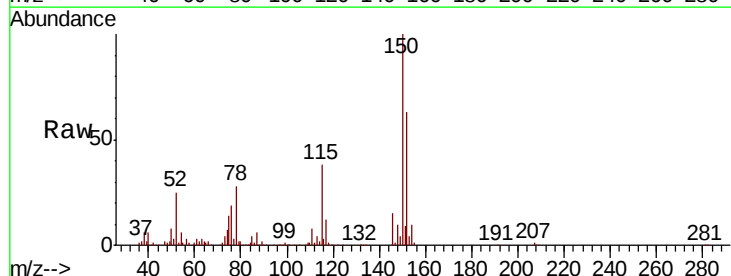
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.2	87.6
150	171.7	0.0	352.8

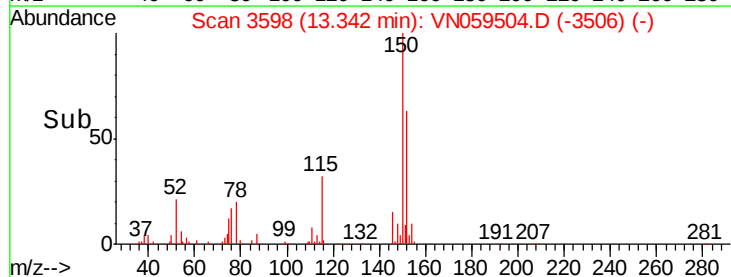
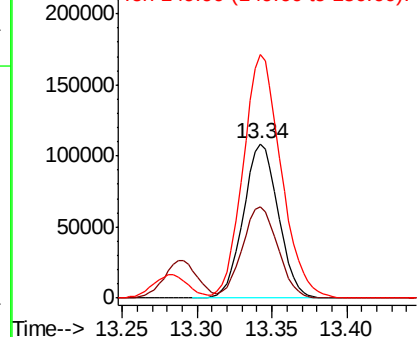


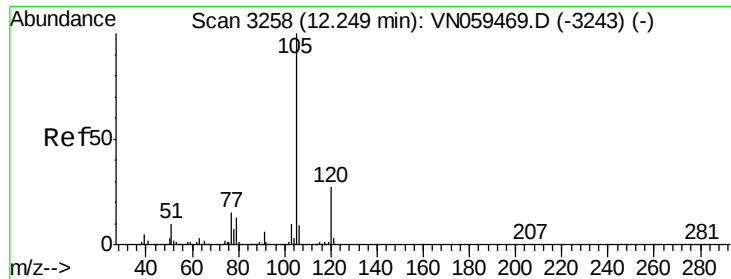
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





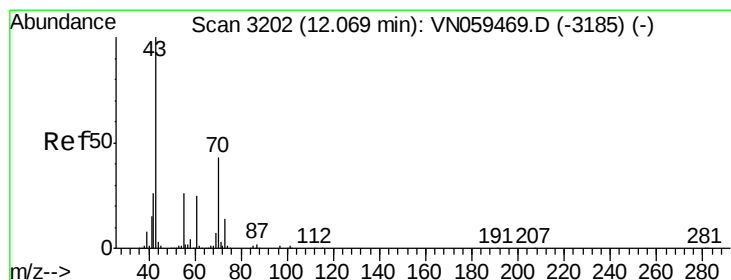
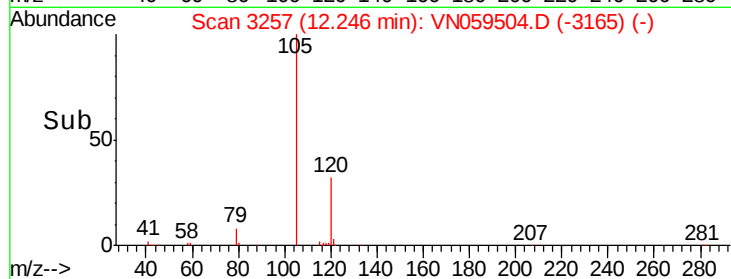
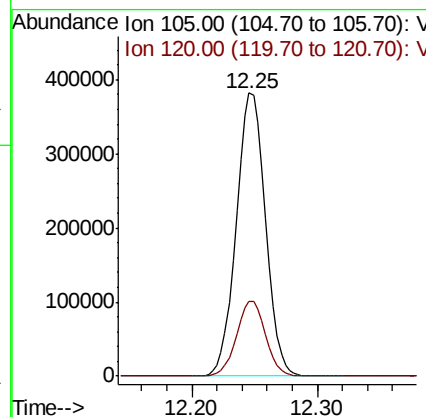
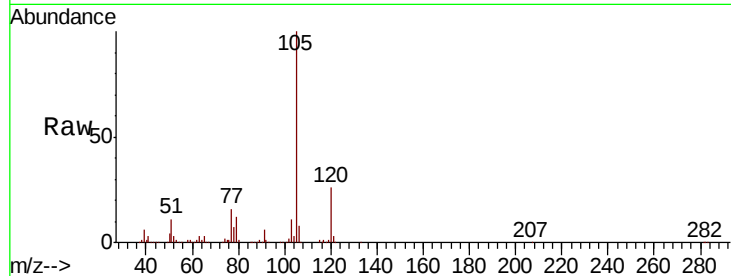
#73
Isopropylbenzene
Concen: 43.559 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

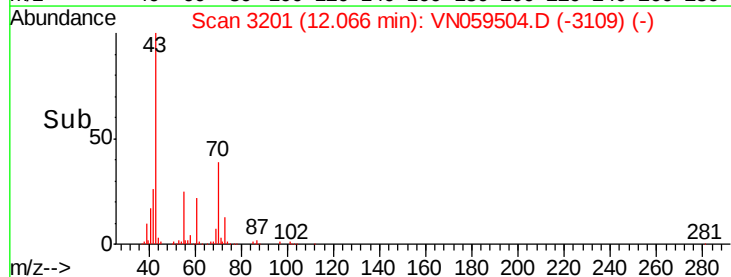
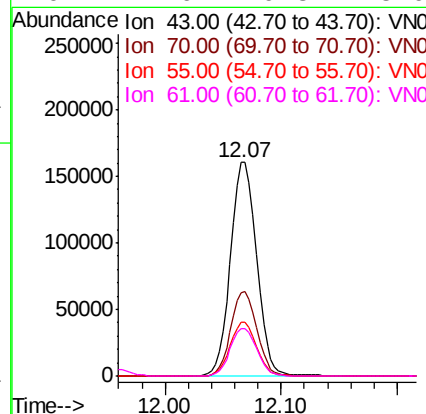
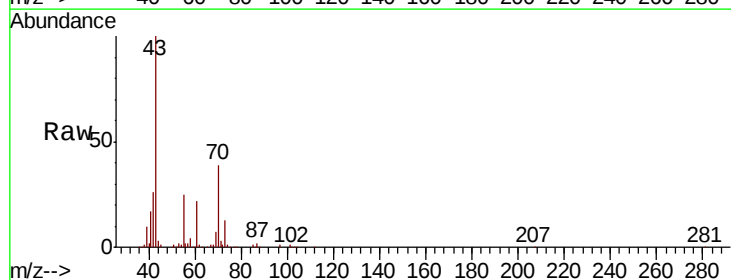
Manual Integrations
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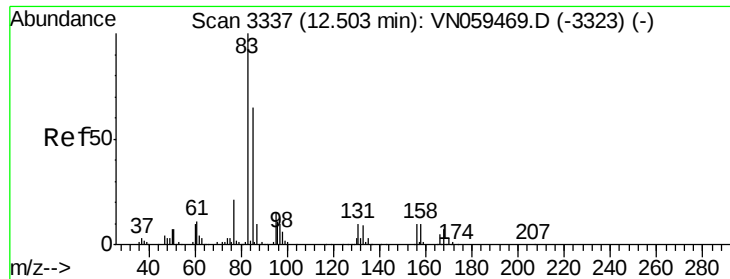
apatel
12/9/2019 8:47:40 AM



#74
N-ethyl acetate
Concen: 44.254 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.4	34.2	51.2
55	25.7	20.6	31.0
61	22.6	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.687 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

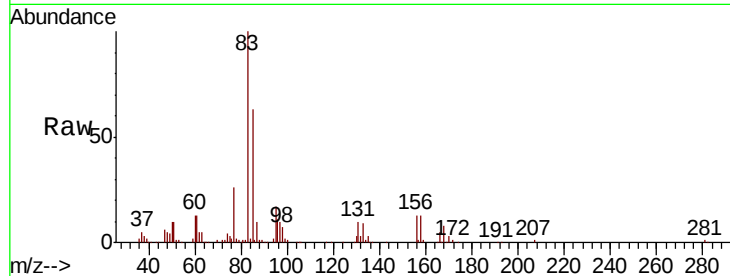
ClientSampleId :

VSTDCCC050

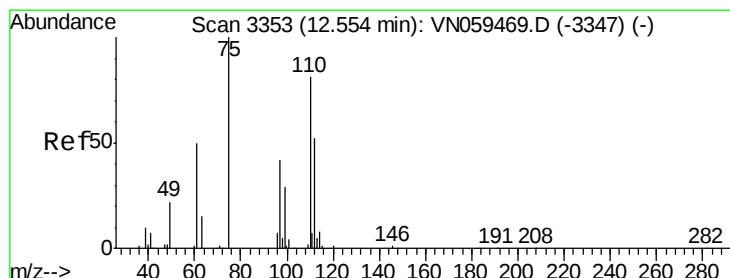
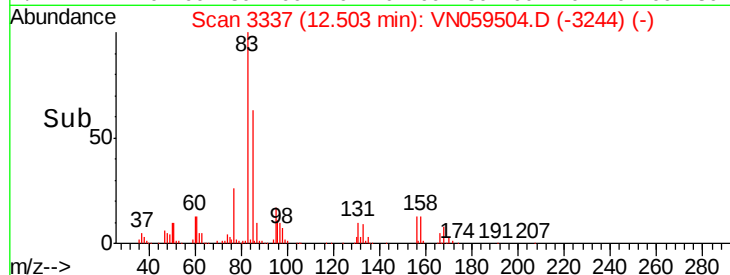
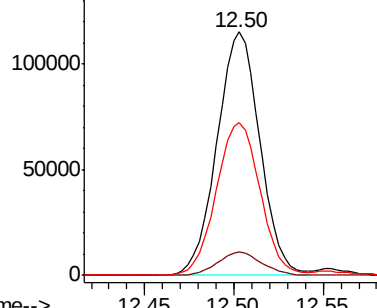
Tot Ion:	83	Resp:	193635
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.1	32.2	96.6

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



#76

1,2,3-Trichloropropane

Concen: 41.713 ug/l m

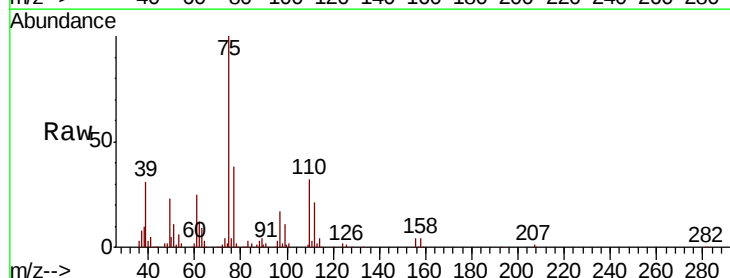
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

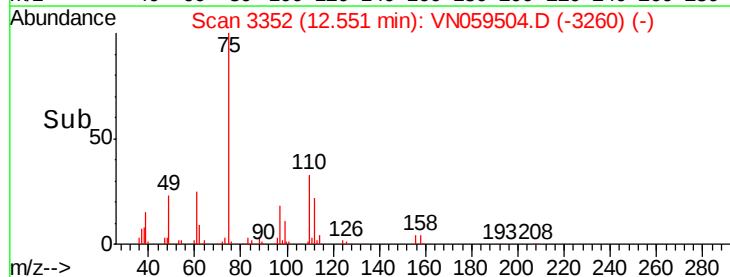
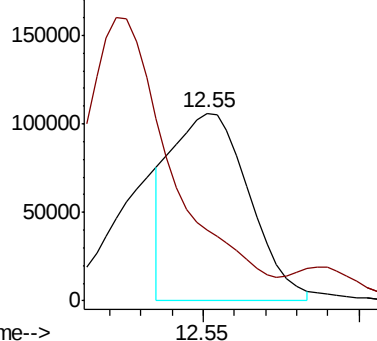
Lab File: VN059504.D

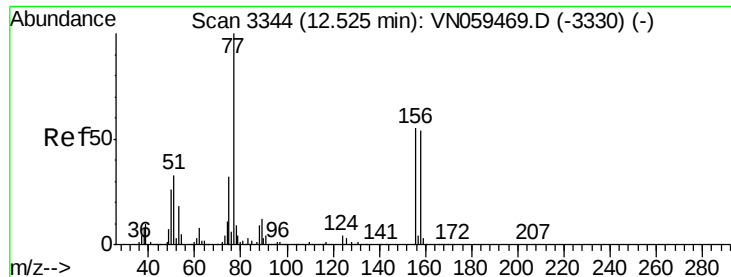
Acq: 6 Dec 2019 10:09

Tgt Ion:	75	Resp:	182888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 40.950 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

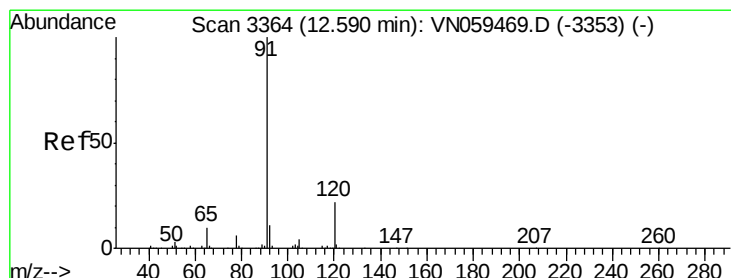
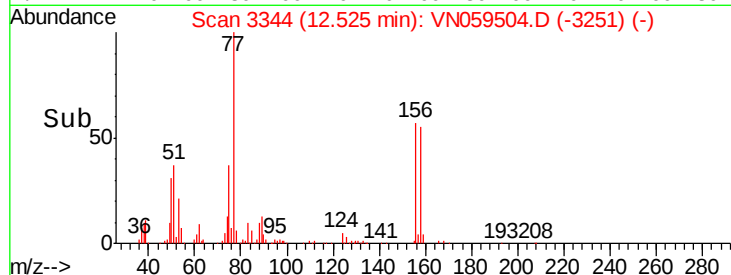
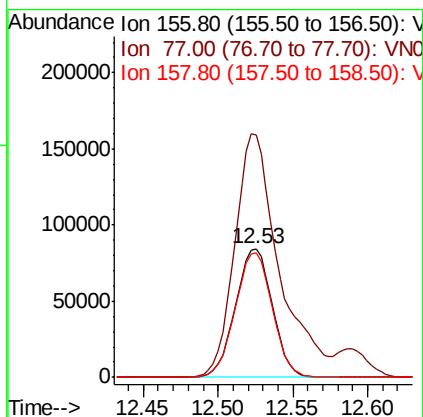
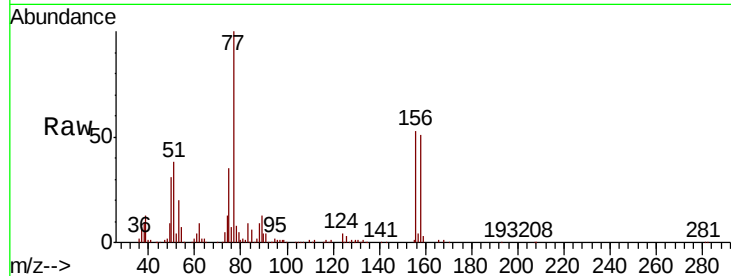
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	227.2	110.3	331.0	
158	97.3	48.5	145.5	

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#78

n-propylbenzene

Concen: 44.424 ug/l

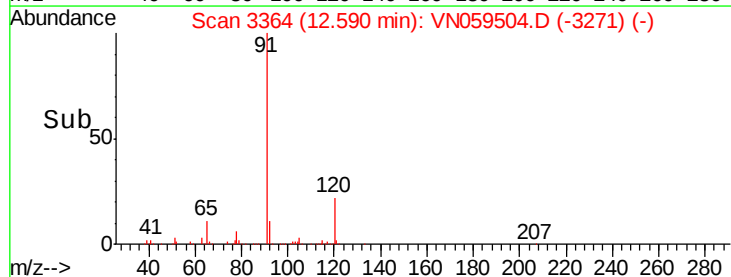
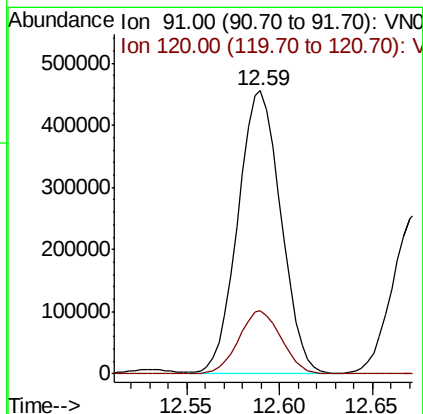
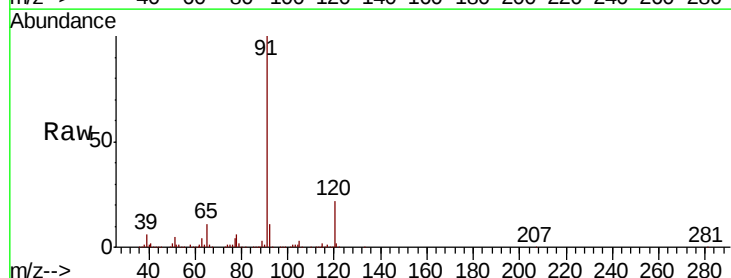
RT: 12.59 min Scan# 3364

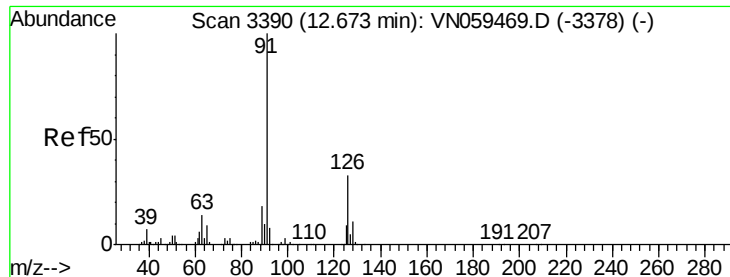
Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.3	33.9	





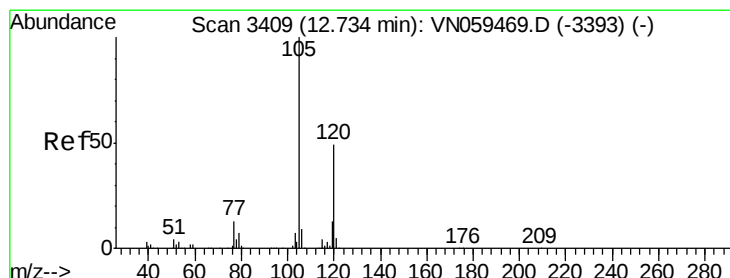
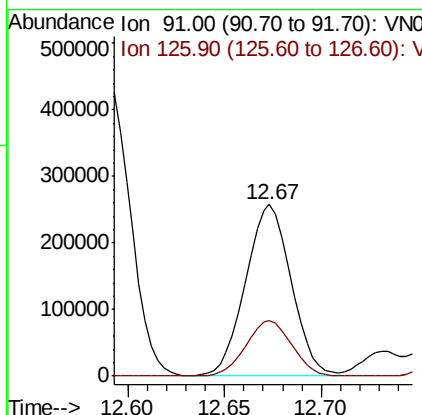
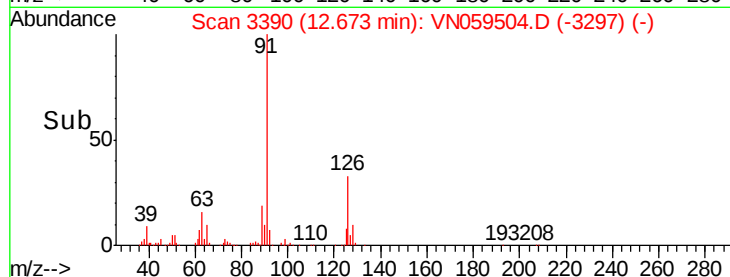
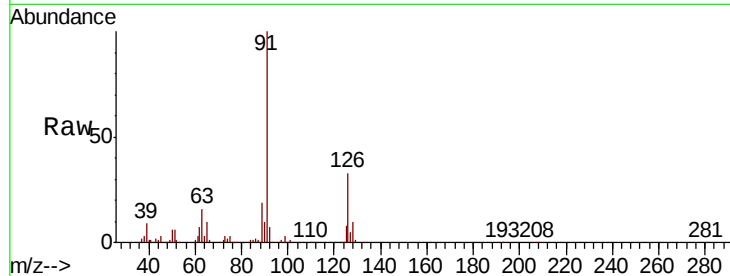
#79
 2-Chlorotoluene
 Concen: 42.420 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 420833
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.6 49.8

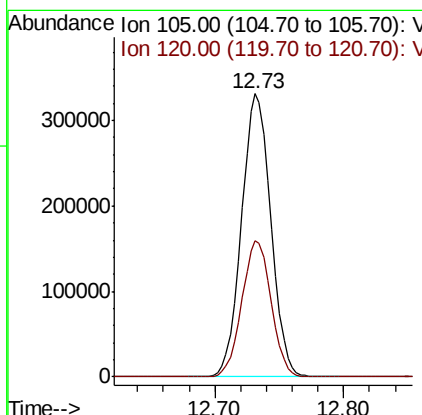
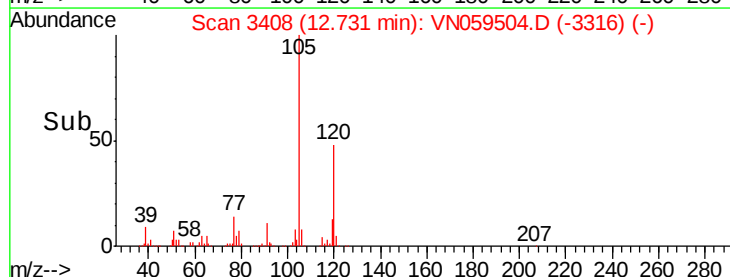
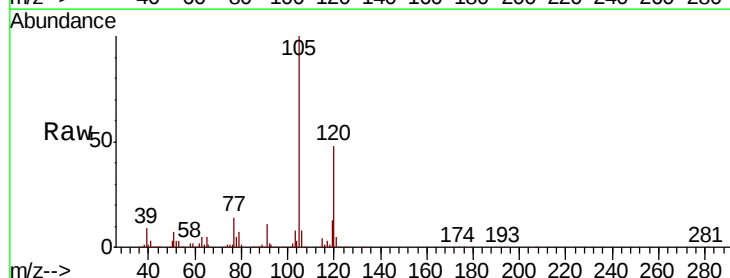
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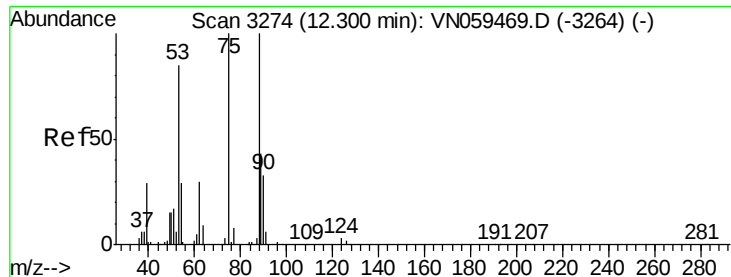
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 44.083 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion: 105 Resp: 520977
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.636 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

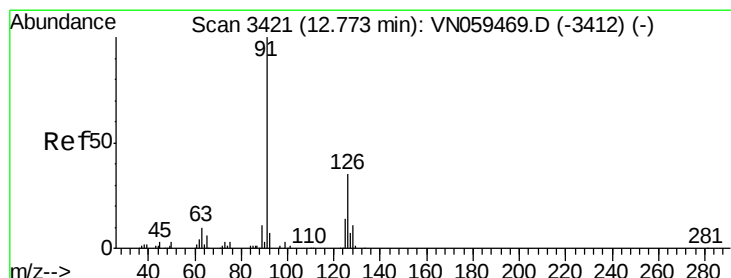
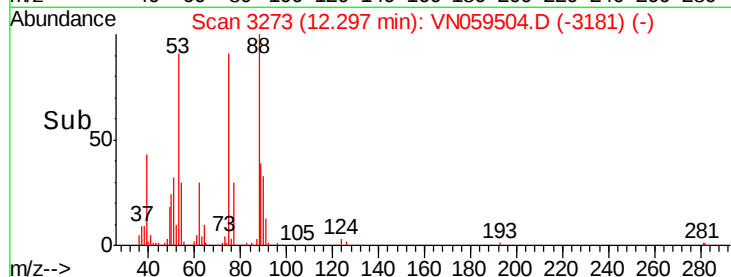
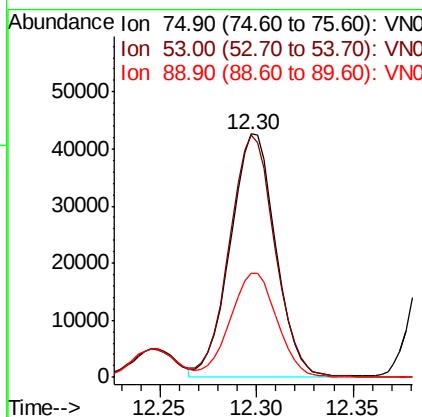
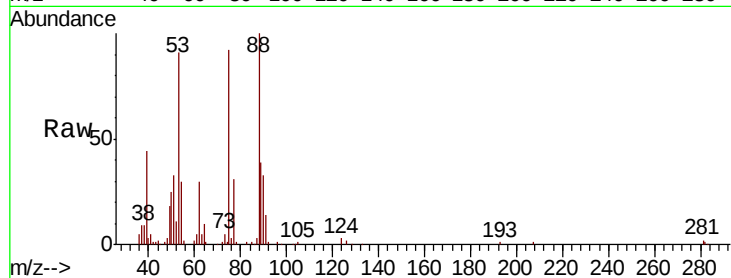
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	69561
Ion Ratio	Lower	Upper	
75	100		
53	100.4	69.8	104.6
89	44.3	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.189 ug/l

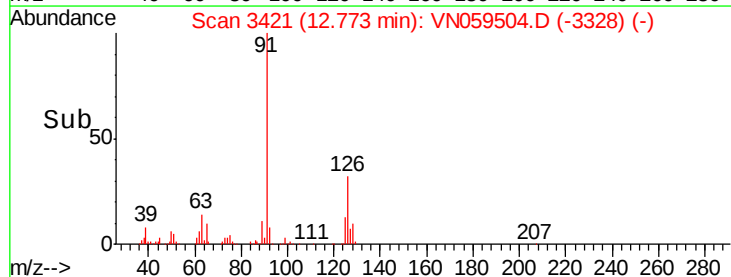
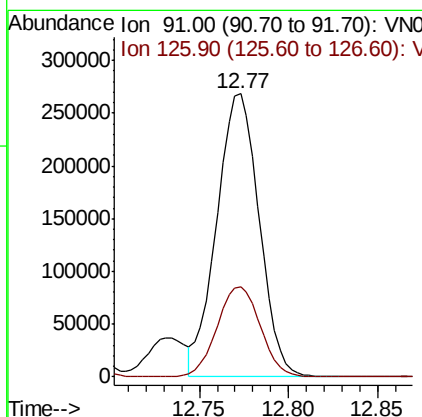
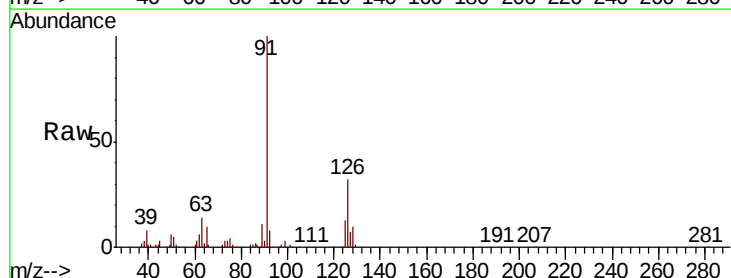
RT: 12.77 min Scan# 3421

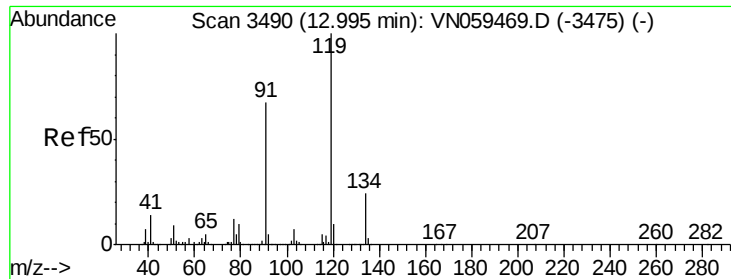
Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion:	91	Resp:	442066
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.4	49.2





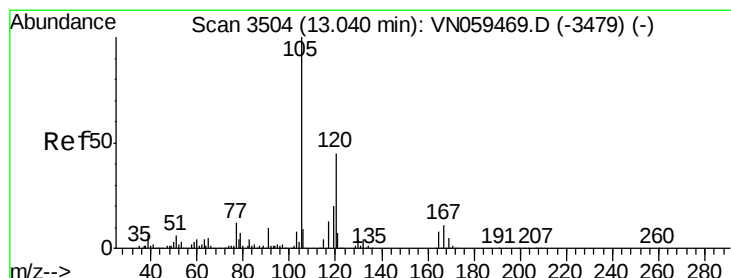
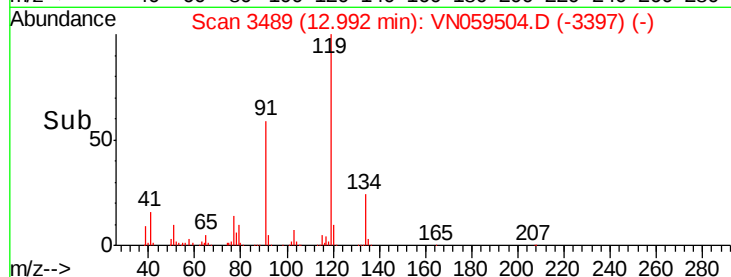
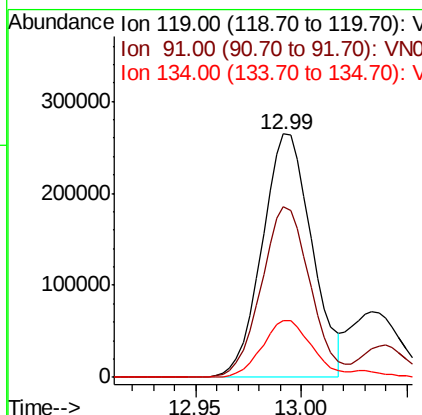
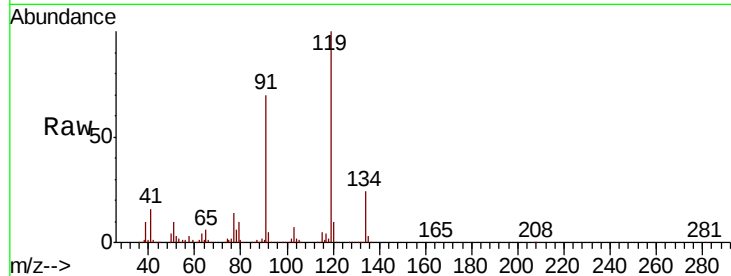
#83
tert-Butylbenzene
Concen: 42.316 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	32.6	97.7
134	25.2	12.6	37.6

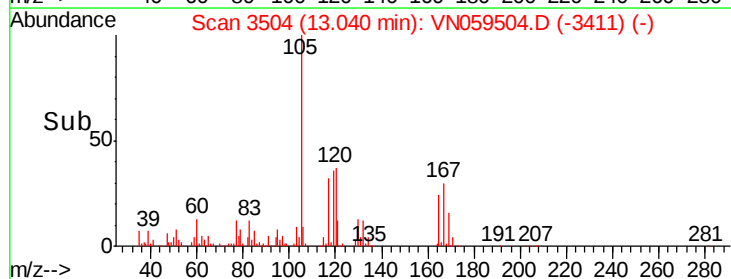
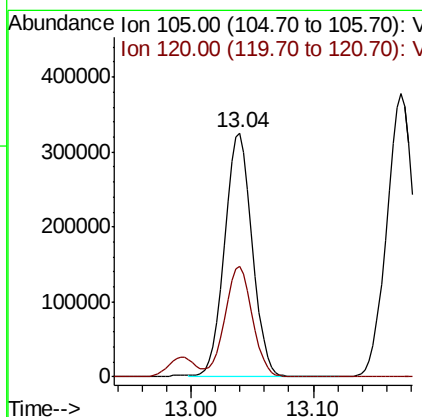
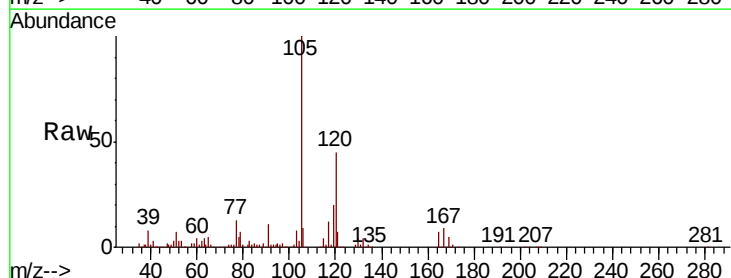
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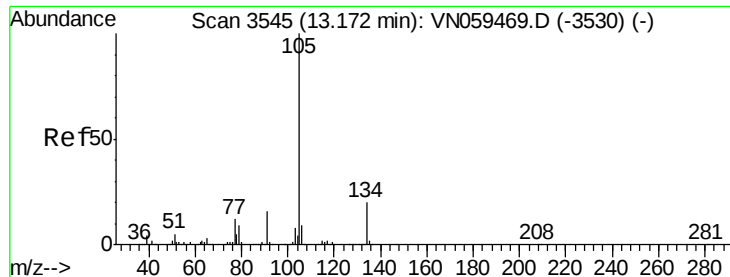
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#84
1,2,4-Trimethylbenzene
Concen: 44.664 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 43.853 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 596332

Ion Ratio Lower Upper

105 100

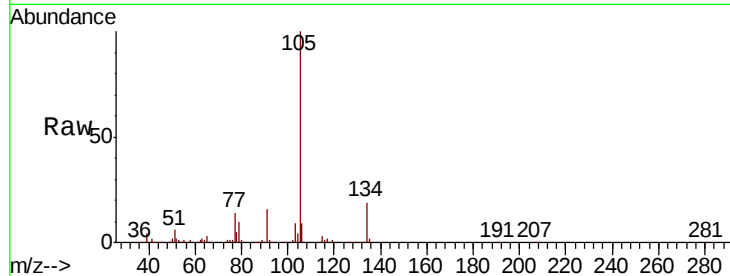
134 19.5 9.8 29.5

Manual Integrations

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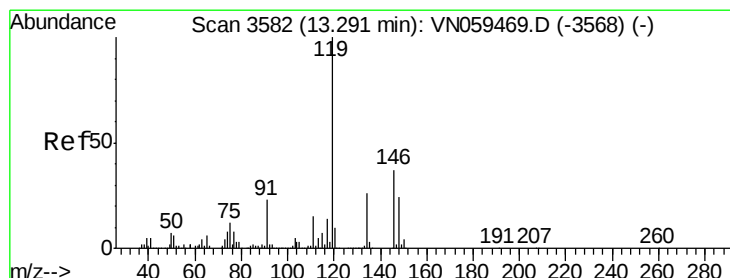
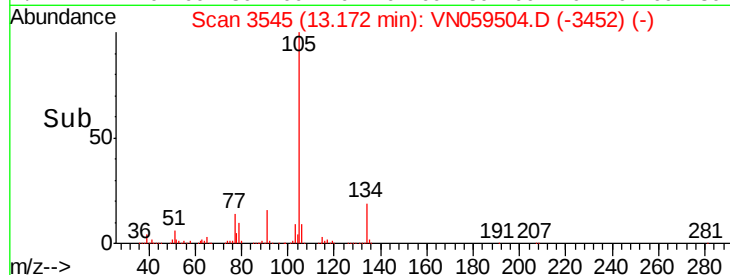
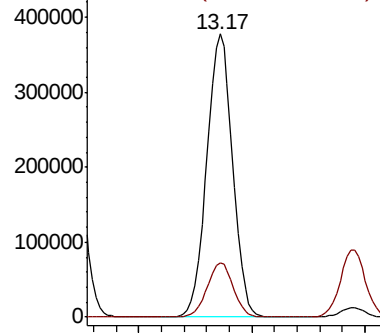
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.054 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

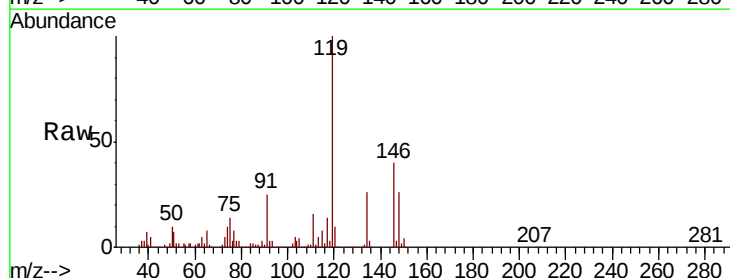
Tgt Ion:119 Resp: 536840

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

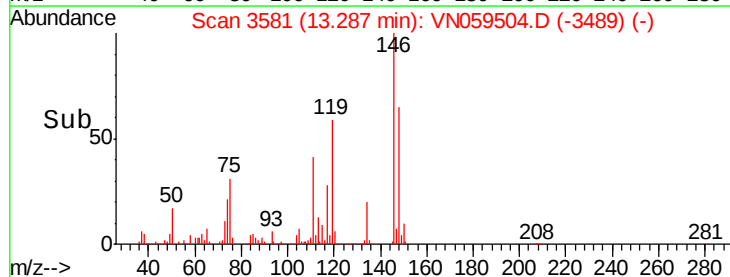
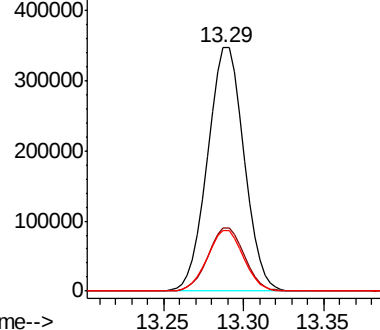
91 24.6 11.7 35.1

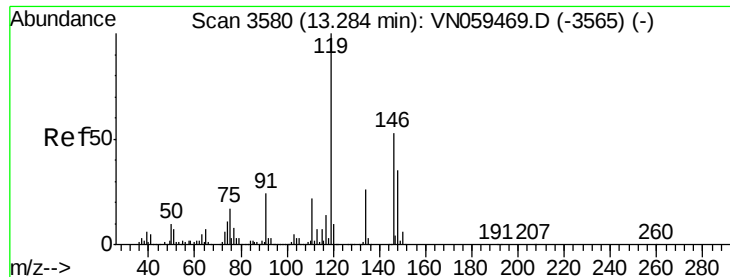


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





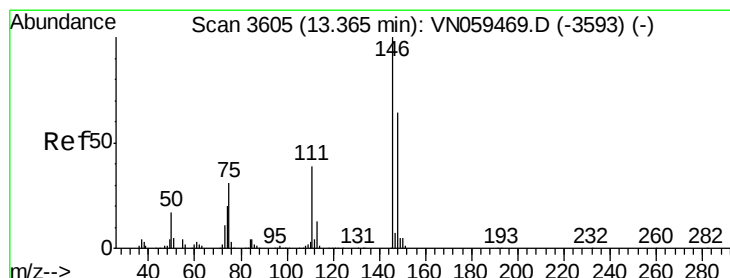
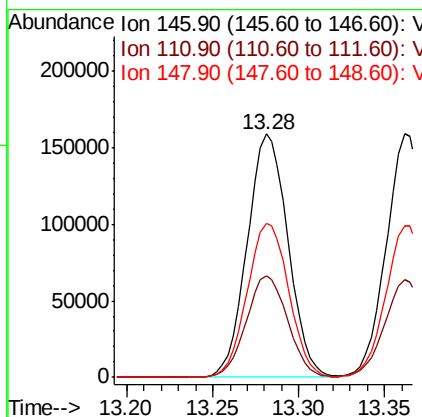
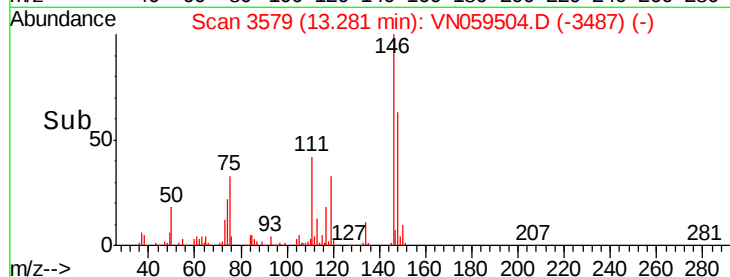
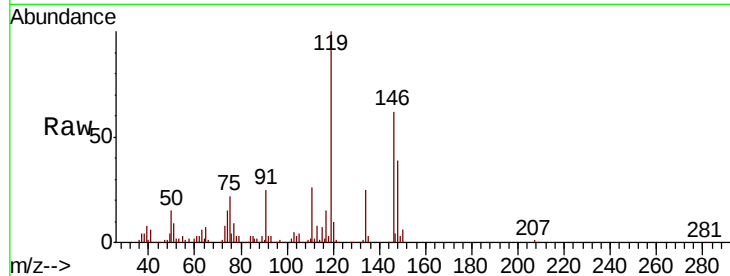
#87
 1,3-Dichlorobenzene
 Concen: 42.090 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	262253
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.4	61.3
148	64.4	32.1	96.5

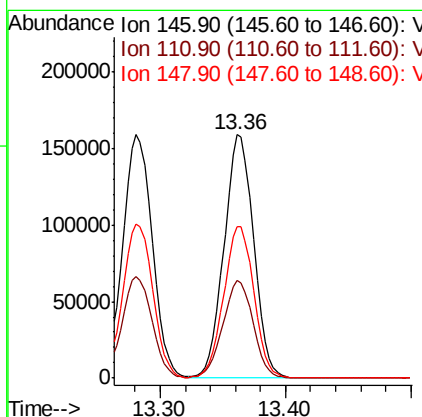
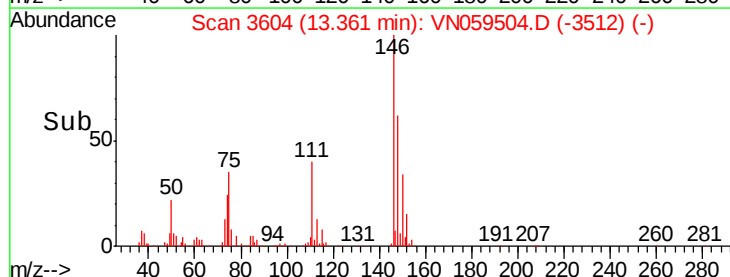
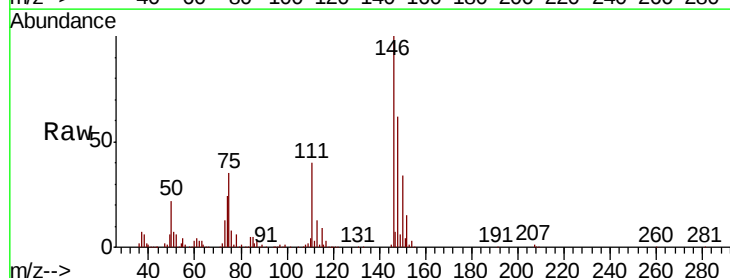
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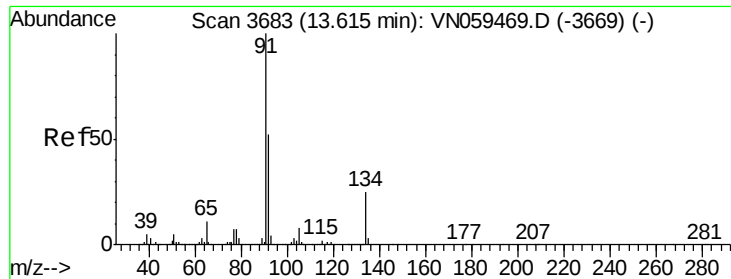
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 41.412 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion:	146	Resp:	260228
Ion Ratio	Lower	Upper	
146	100		
111	40.9	19.8	59.3
148	63.6	32.0	96.0





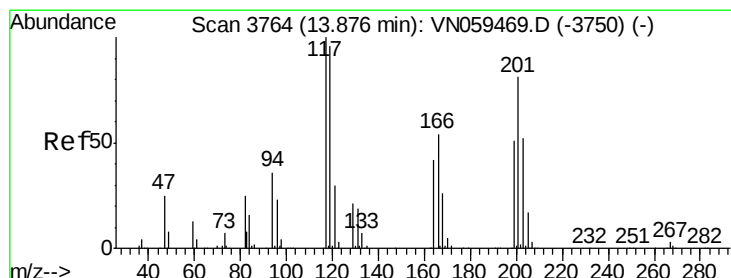
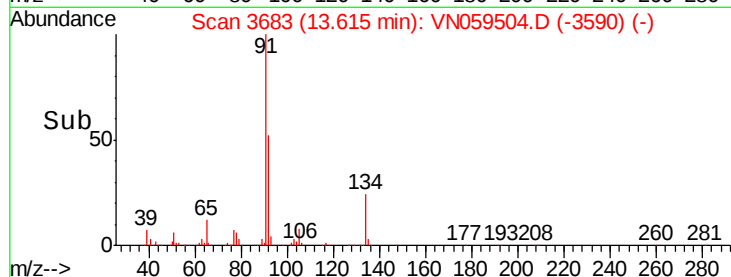
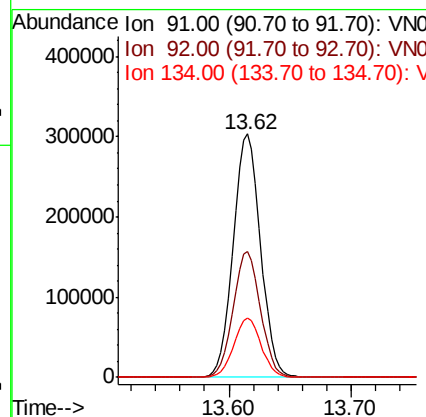
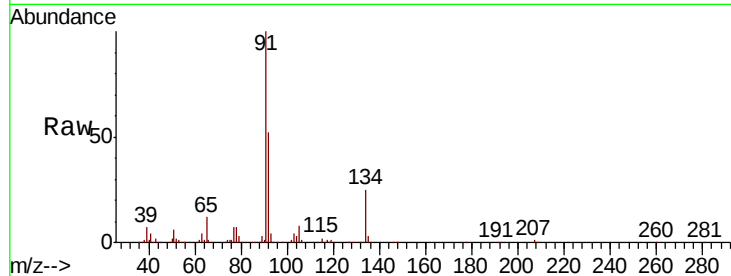
#89
n-Butylbenzene
Concen: 43.467 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.8
134	24.3	12.6	37.6

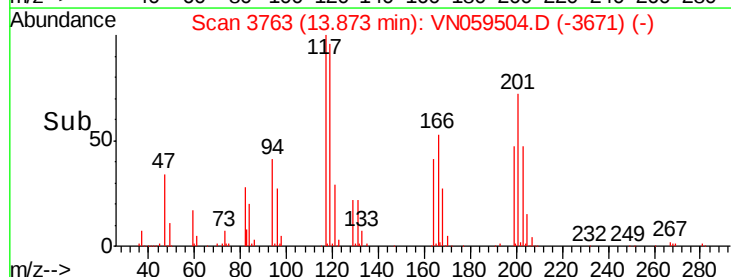
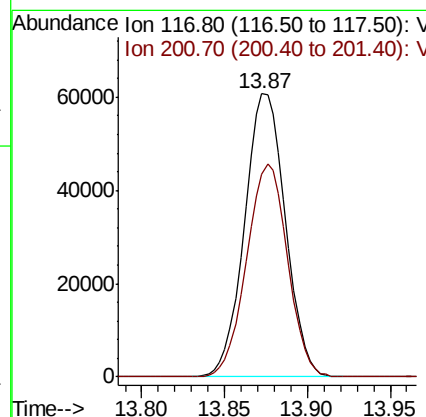
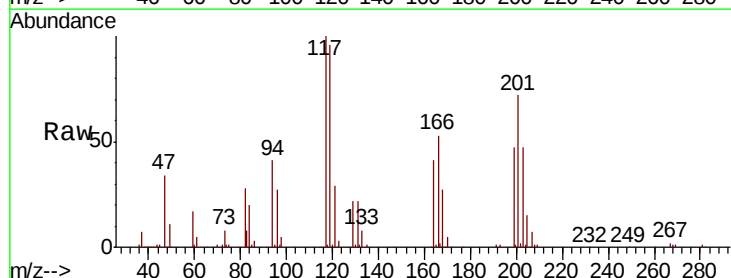
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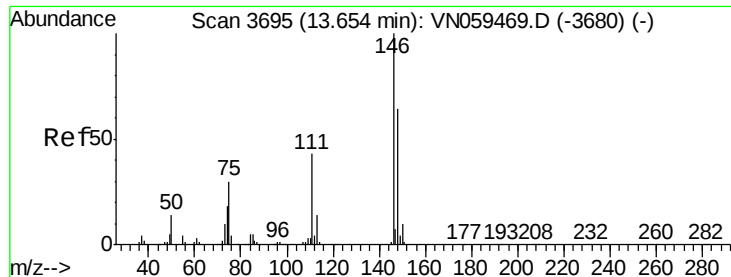
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#90
Hexachloroethane
Concen: 44.241 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	40.6	122.0





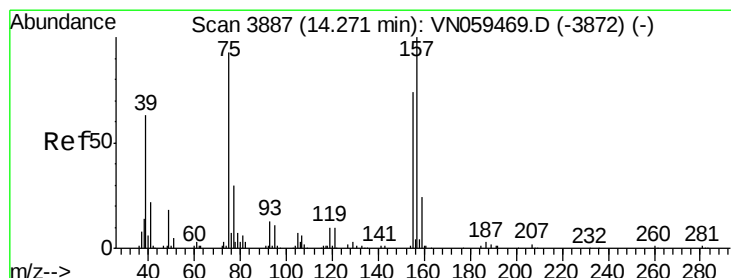
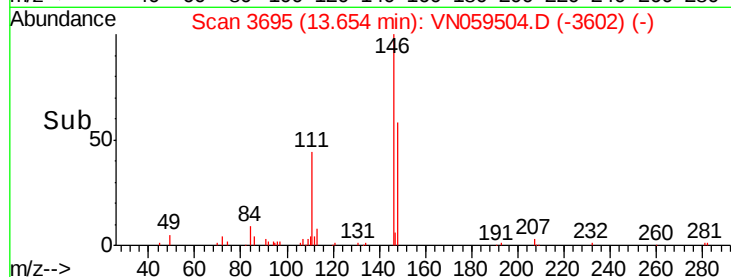
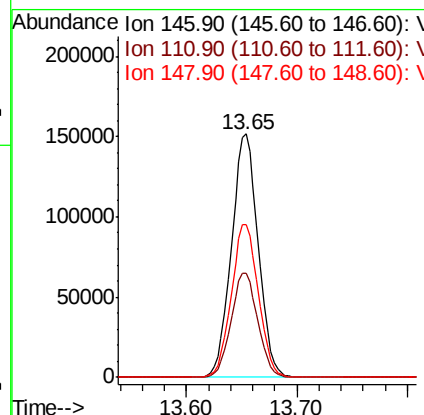
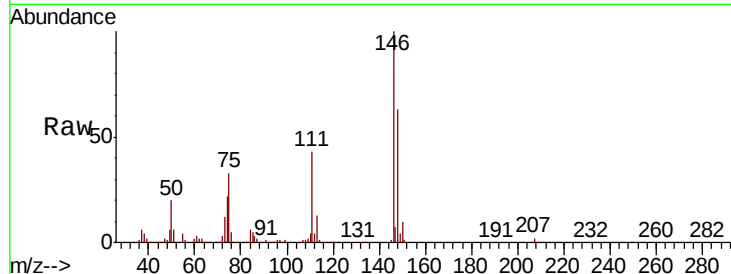
#91
 1,2-Dichlorobenzene
 Concen: 42.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254185		
111	42.8	21.3	63.7	
148	63.6	32.2	96.6	

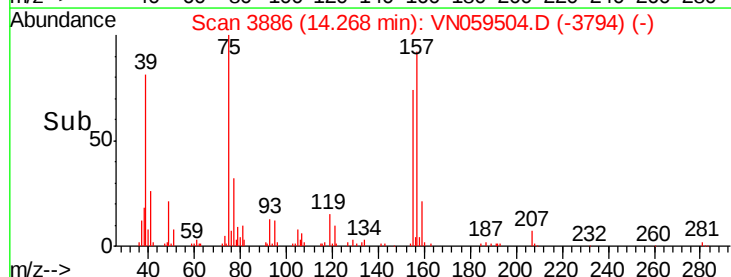
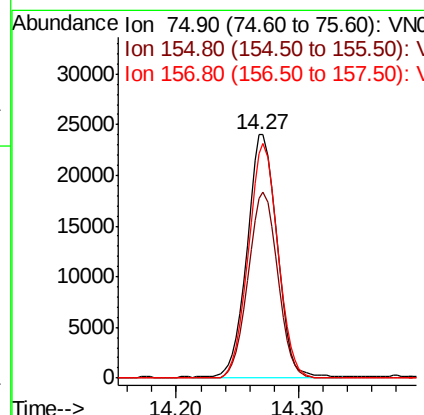
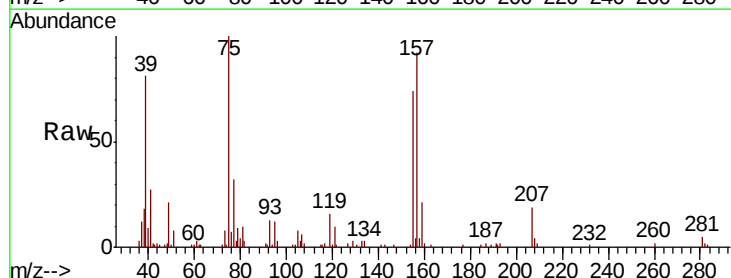
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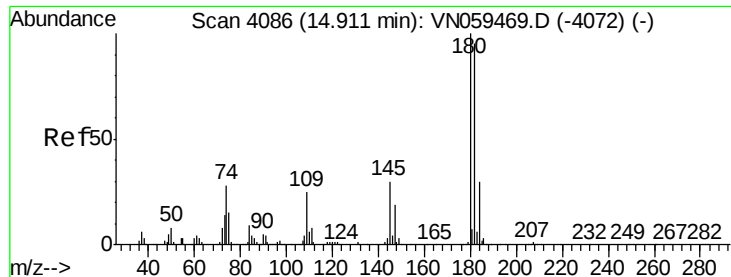
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.861 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41046		
155	74.2	40.6	122.0	
157	92.7	52.9	158.7	





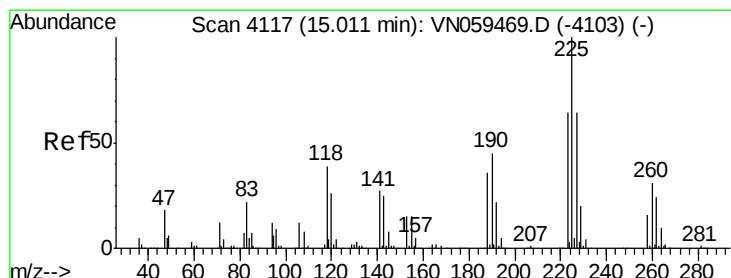
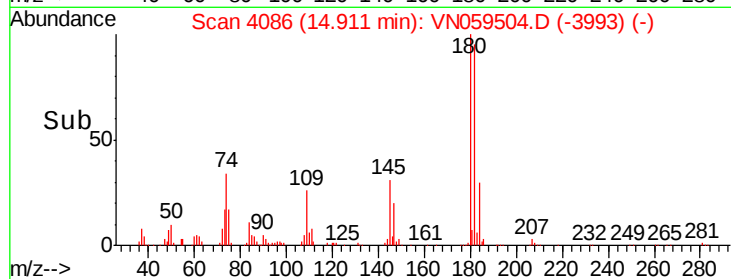
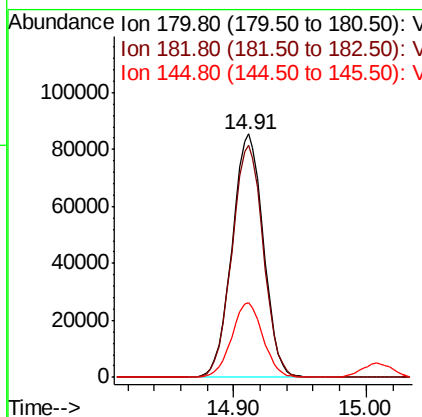
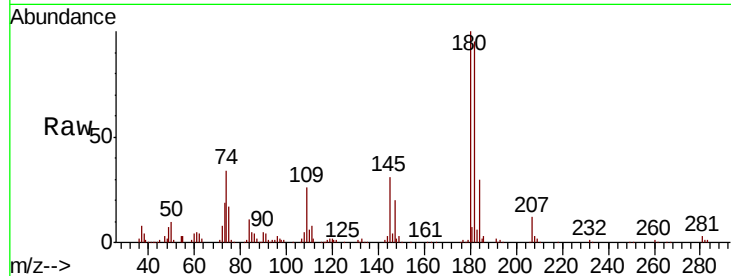
#93
 1,2,4-Trichlorobenzene
 Concen: 38.333 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139779		
182	95.8	48.0	144.2	
145	30.6	15.2	45.6	

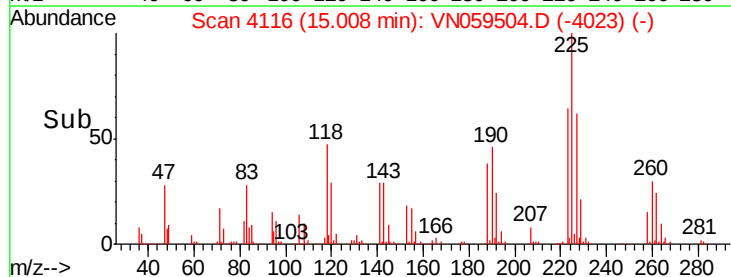
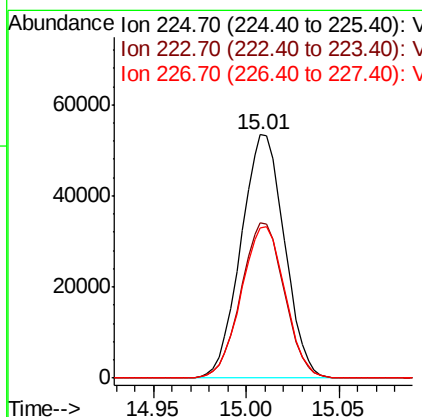
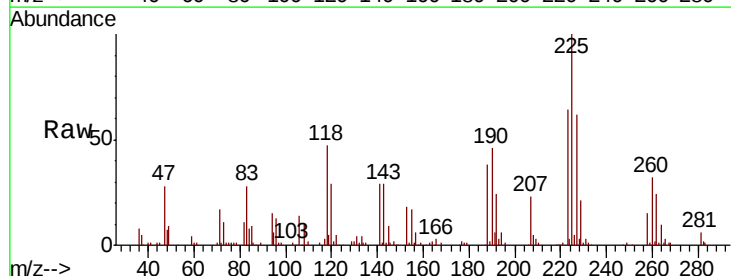
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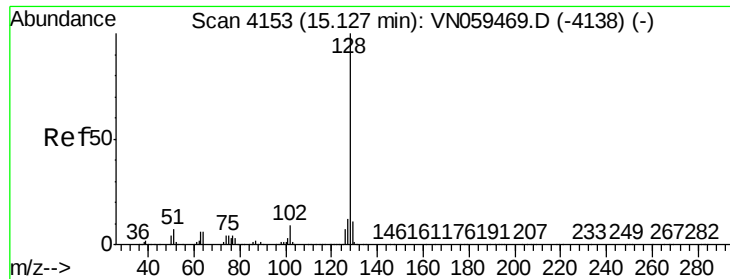
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#94
 Hexachlorobutadiene
 Concen: 41.901 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86890		
223	63.6	31.9	95.5	
227	62.9	32.0	96.2	





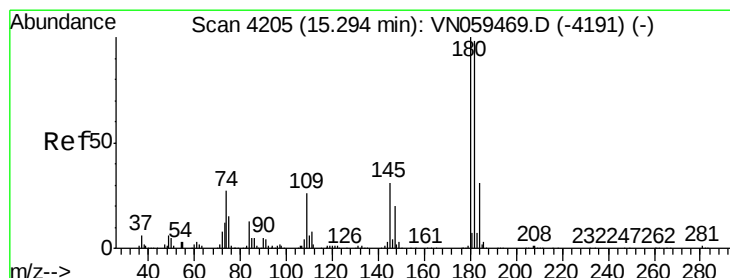
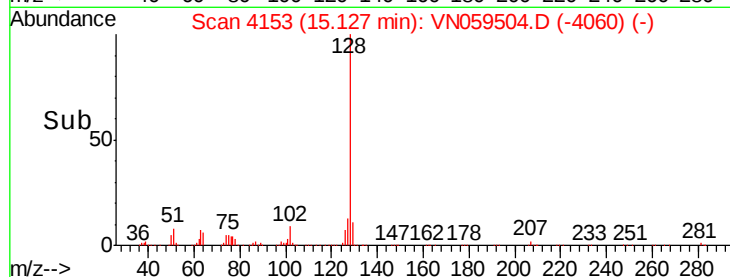
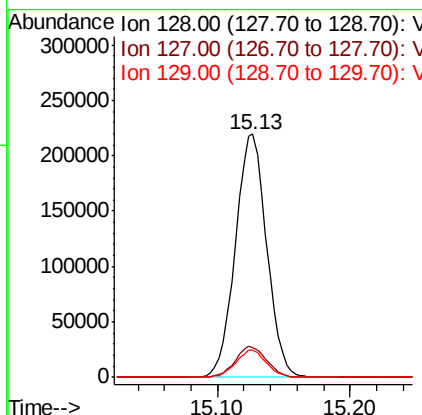
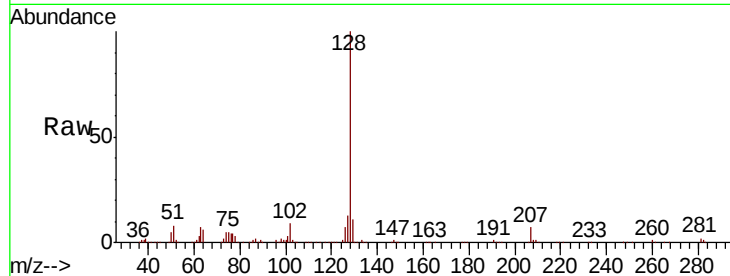
#95
Naphthalene
Concen: 36.487 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 38.981 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.5
145	31.6	16.1	48.2

