

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059468.D
 Acq On : 3 Dec 2019 14:03
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 12/4/2019 9:22:04 AM

Quant Time: Dec 03 15:14:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	344522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	543580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	488840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	82235	20.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.16%	
35) Dibromofluoromethane	7.57	113	63825	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	
50) Toluene-d8	10.08	98	255247	19.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.46%	
62) 4-Bromofluorobenzene	12.40	95	88169	19.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	72023	18.185	ug/l	95
3) Chloromethane	2.04	50	97521	19.689	ug/l	99
4) Vinyl Chloride	2.17	62	56788	12.835	ug/l	98
5) Bromomethane	2.54	94	33954	12.827	ug/l	96
6) Chloroethane	2.68	64	32018	12.770	ug/l	94
7) Trichlorofluoromethane	3.00	101	70345	13.191	ug/l	94
8) Diethyl Ether	3.39	74	45880	19.772	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	70296	20.081	ug/l	99
10) Methyl Iodide	3.93	142	90450	19.738	ug/l	98
11) Tert butyl alcohol	4.75	59	74864	104.542	ug/l	99
12) 1,1-Dichloroethene	3.72	96	68664	20.019	ug/l	97
13) Acrolein	3.58	56	63647	93.658	ug/l	97
14) Allyl chloride	4.30	41	133450	20.792	ug/l	99
15) Acrylonitrile	4.95	53	214396	107.380	ug/l	100
16) Acetone	3.79	43	247820	125.431	ug/l	100
17) Carbon Disulfide	4.03	76	225324	19.107	ug/l	99
18) Methyl Acetate	4.30	43	110920	20.680	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	237887	21.278	ug/l	100
20) Methylene Chloride	4.52	84	82743	20.912	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	76773	20.488	ug/l	98
22) Diisopropyl ether	5.92	45	257222	21.476	ug/l	97
23) Vinyl Acetate	5.87	43	1057485	108.888	ug/l	99
24) 1,1-Dichloroethane	5.82	63	147027	21.387	ug/l	99
25) 2-Butanone	6.81	43	307127	112.740	ug/l	99
26) 2,2-Dichloropropane	6.80	77	124470	21.247	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	85223	20.728	ug/l	99
28) Bromochloromethane	7.17	49	58981	25.164	ug/l	100
29) Tetrahydrofuran	7.18	42	194753	107.498	ug/l	100
30) Chloroform	7.35	83	139127	20.137	ug/l	97
31) Cyclohexane	7.63	56	136995	19.885	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	121099	21.414	ug/l	99
36) 1,1-Dichloropropene	7.77	75	107743	20.382	ug/l	99
37) Ethyl Acetate	6.90	43	119037	20.885	ug/l	98
38) Carbon Tetrachloride	7.75	117	105344	21.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129813	20.512	ug/l	96
40) Benzene	8.02	78	324634	20.653	ug/l	98
41) Methacrylonitrile	7.16	41	51990m	19.649	ug/l	
42) 1,2-Dichloroethane	8.10	62	109455	21.795	ug/l	100
43) Isopropyl Acetate	8.15	43	182691	21.198	ug/l	100
44) Trichloroethene	8.82	130	82485	20.619	ug/l	98
45) 1,2-Dichloropropane	9.10	63	85899	20.885	ug/l	99
46) Dibromomethane	9.19	93	54451	21.418	ug/l	99
47) Bromodichloromethane	9.39	83	107143	20.831	ug/l	99
48) Methyl methacrylate	9.18	41	78542	20.490	ug/l	97
49) 1,4-Dioxane	9.19	88	22366	411.303	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	561011	111.386	ug/l	99
52) Toluene	10.15	92	194936	20.734	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	123531	20.880	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	134230	21.098	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	77050	20.852	ug/l	99
56) Ethyl methacrylate	10.42	69	110577	20.493	ug/l	99
57) 1,3-Dichloropropane	10.70	76	133307	20.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	171171	110.027	ug/l	100
59) 2-Hexanone	10.74	43	419389	112.004	ug/l	99
60) Dibromochloromethane	10.90	129	81834	21.299	ug/l	99
61) 1,2-Dibromoethane	11.00	107	78864	20.829	ug/l	100
64) Tetrachloroethene	10.62	164	80038	21.844	ug/l	99
65) Chlorobenzene	11.43	112	205205	20.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	75595	20.809	ug/l	99
67) Ethyl Benzene	11.51	91	365551	20.745	ug/l	100
68) m/p-Xylenes	11.62	106	272471	41.317	ug/l	98
69) o-Xylene	11.95	106	129300	20.529	ug/l	99
70) Styrene	11.96	104	204791	20.734	ug/l	99
71) Bromoform	12.13	173	57880	20.820	ug/l #	100
73) Isopropylbenzene	12.25	105	349016	20.778	ug/l	99
74) N-amyl acetate	12.07	43	133475	20.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	112118	20.337	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105328m	20.239	ug/l	
77) Bromobenzene	12.53	156	84887	20.650	ug/l	100
78) n-propylbenzene	12.59	91	403923	20.816	ug/l	99
79) 2-Chlorotoluene	12.68	91	240916	20.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	292501	20.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39959	19.820	ug/l	99
82) 4-Chlorotoluene	12.77	91	243055	20.358	ug/l	99
83) tert-Butylbenzene	12.99	119	247656	20.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	285240	20.612	ug/l	99
85) sec-Butylbenzene	13.17	105	335518	20.805	ug/l	100
86) p-Isopropyltoluene	13.29	119	297366	20.414	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	149203	20.492	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	147490	20.149	ug/l	99
89) n-Butylbenzene	13.62	91	256046	20.077	ug/l	99
90) Hexachloroethane	13.88	117	56426	20.223	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	145345	20.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22694	18.124	ug/l	97

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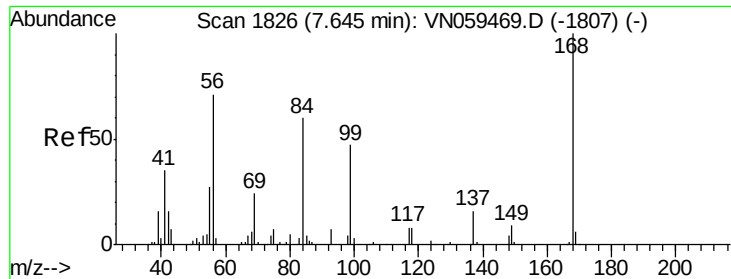
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79443	18.086	ug/l	99
94) Hexachlorobutadiene	15.01	225	52656	19.369	ug/l	99
95) Naphthalene	15.13	128	205130	16.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	79278	16.961	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 344522

Ion Ratio Lower Upper

168 100

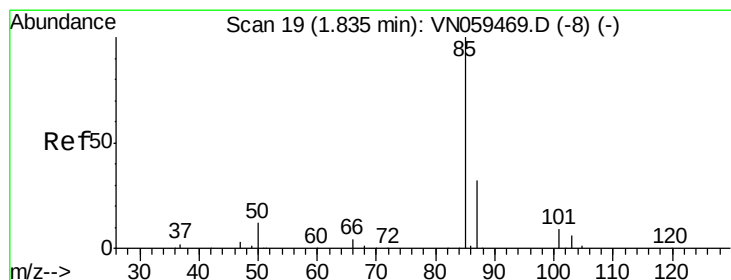
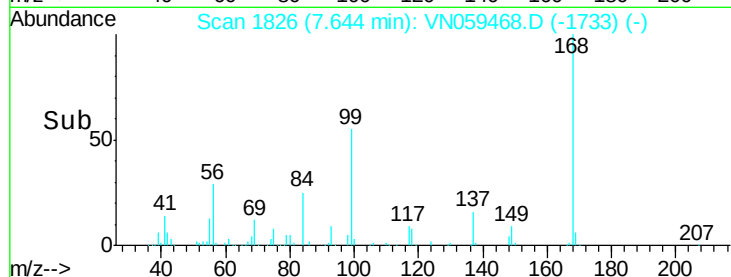
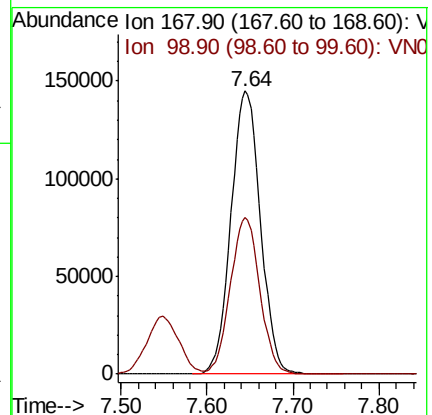
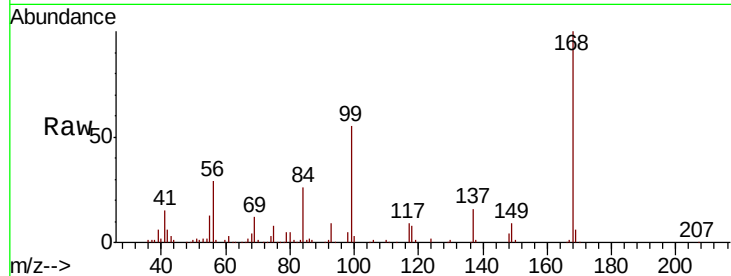
99 55.2 43.4 65.2

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#2

Dichlorodifluoromethane

Concen: 18.185 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059468.D

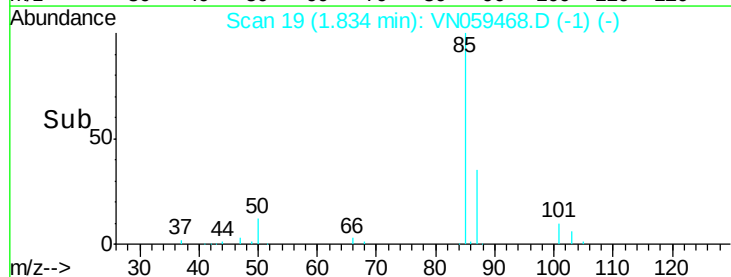
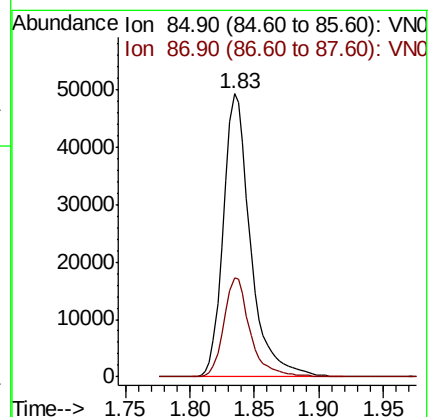
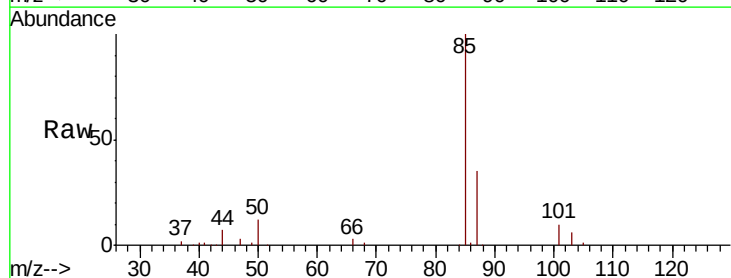
Acq: 3 Dec 2019 14:03

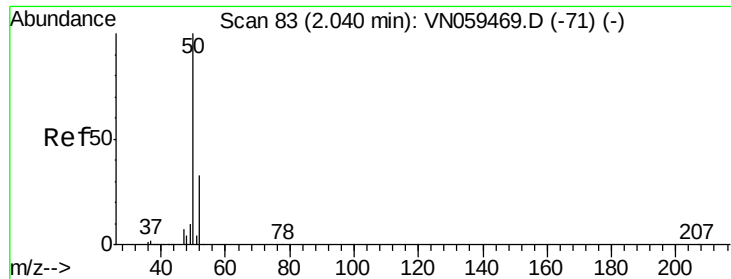
Tgt Ion: 85 Resp: 72023

Ion Ratio Lower Upper

85 100

87 34.8 16.1 48.3





#3

Chloromethane

Concen: 19.689 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 97521

Ion Ratio Lower Upper

50 100

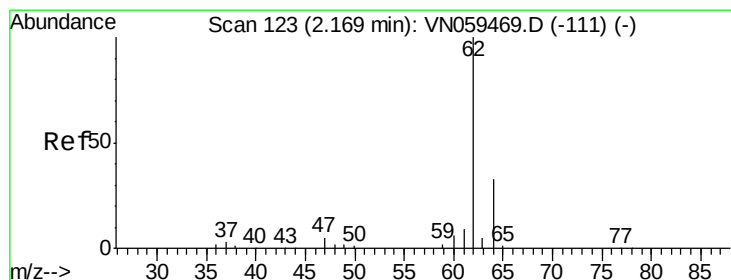
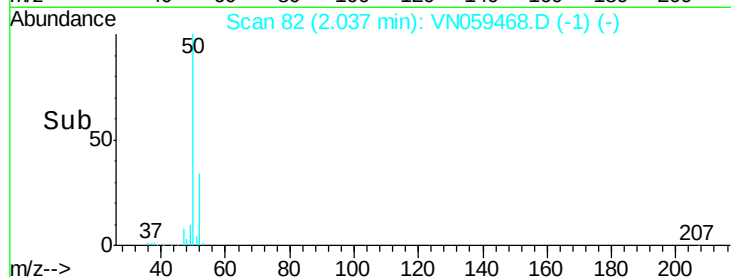
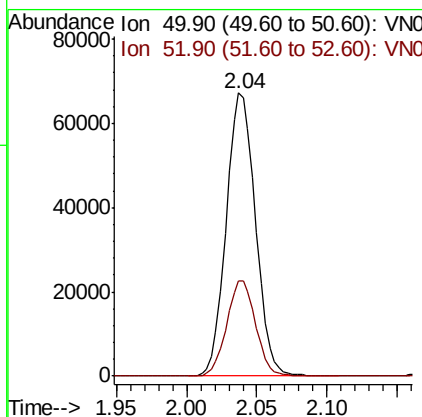
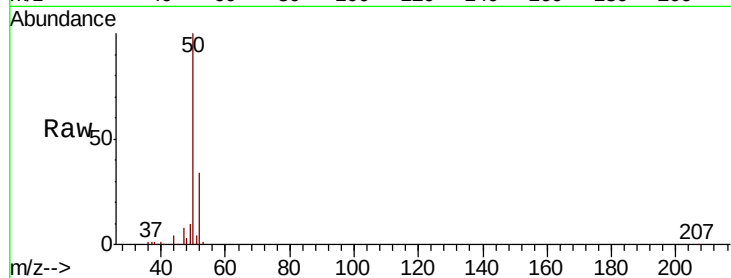
52 33.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 12.835 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059468.D

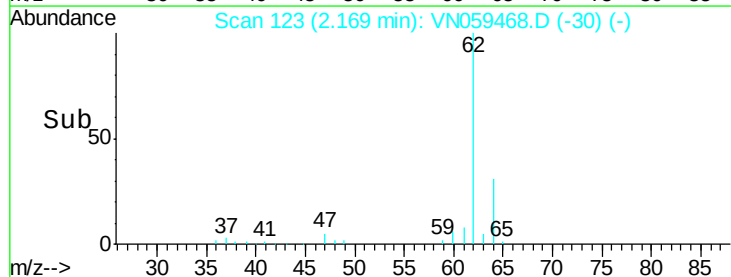
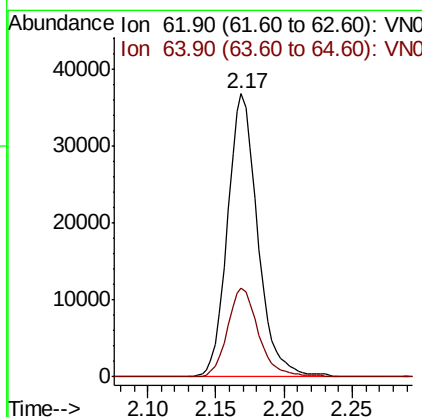
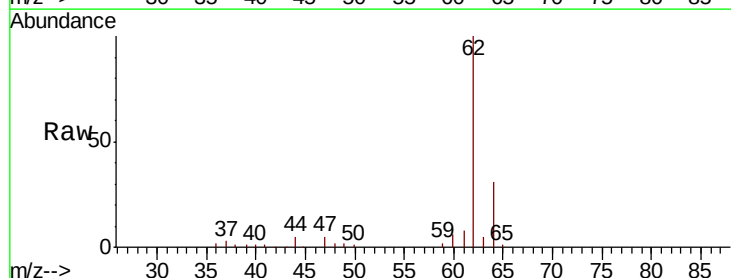
Acq: 3 Dec 2019 14:03

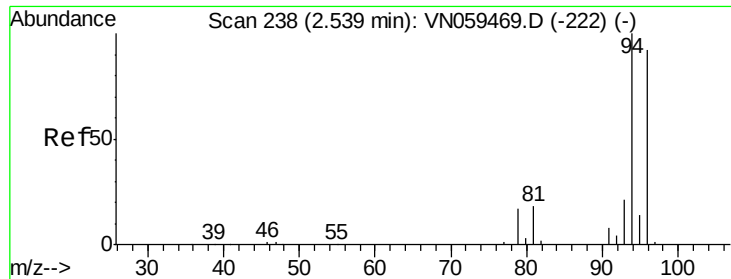
Tgt Ion: 62 Resp: 56788

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 12.827 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 33954

Ion Ratio Lower Upper

94 100

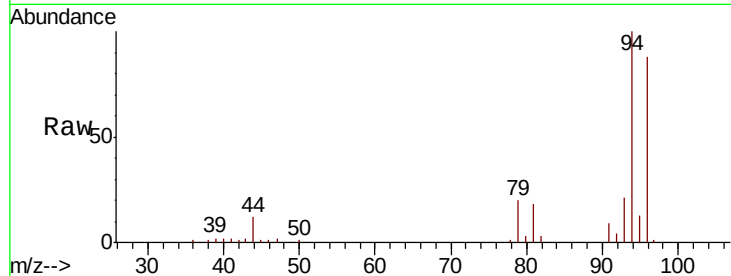
96 88.4 73.5 110.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN059468.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059468.D (-145) (-)

2.54

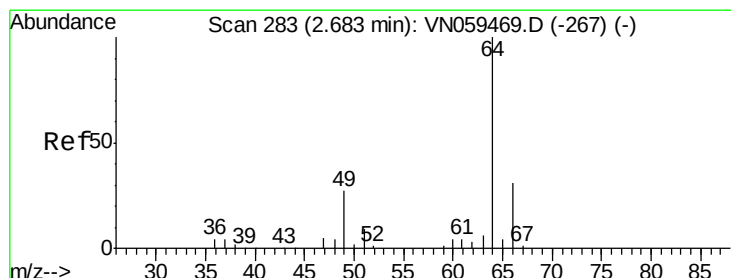
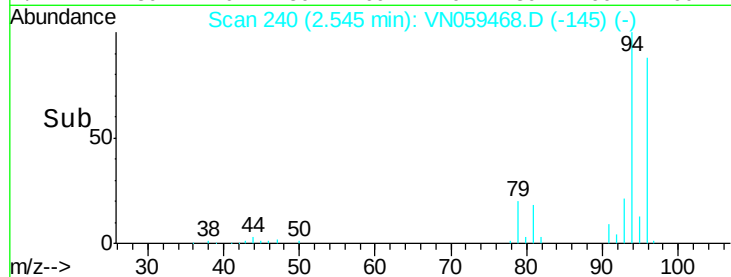
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 12.770 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059468.D

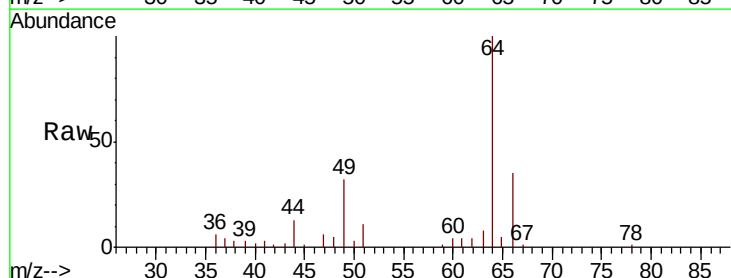
Acq: 3 Dec 2019 14:03

Tgt Ion: 64 Resp: 32018

Ion Ratio Lower Upper

64 100

66 34.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059468.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN059468.D (-190) (-)

2.68

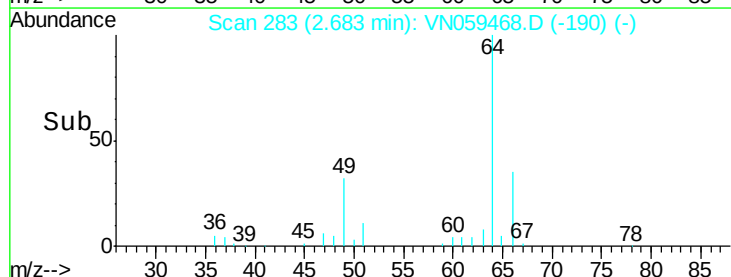
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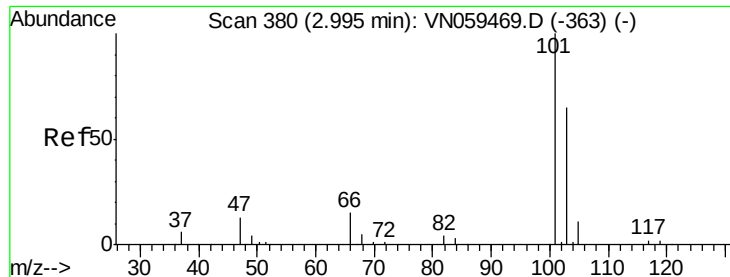
10000

5000

0

Time-->





#7

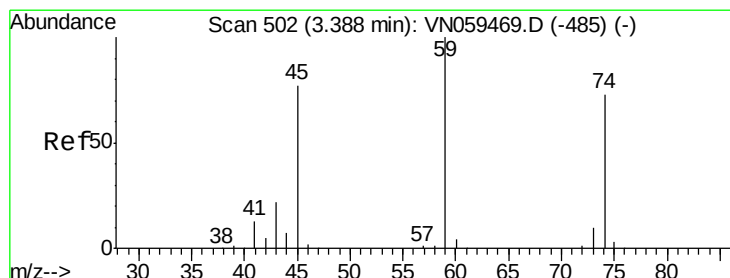
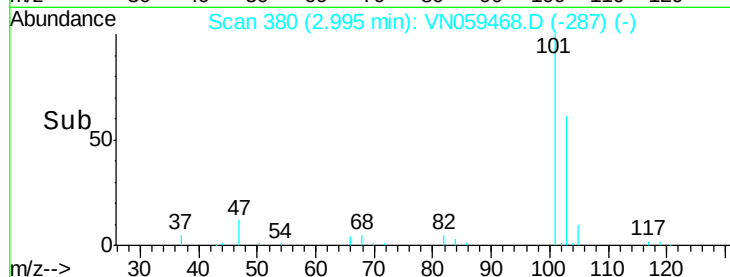
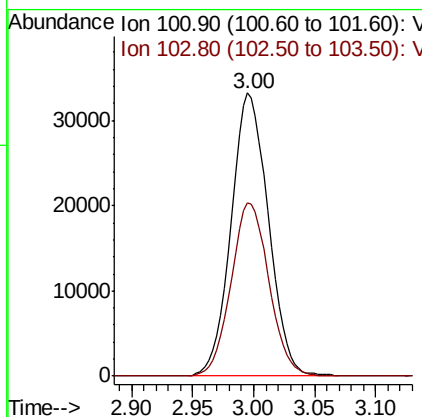
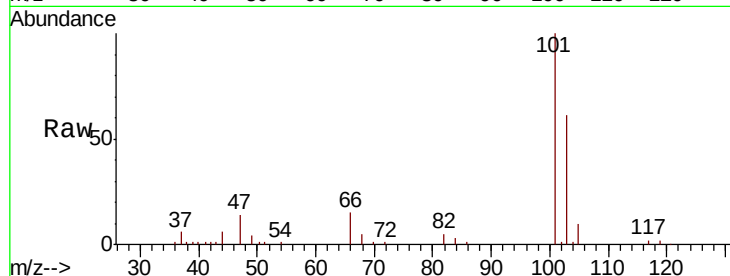
Trichlorofluoromethane
 Concen: 13.191 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
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 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	61.1	52.4	78.6	

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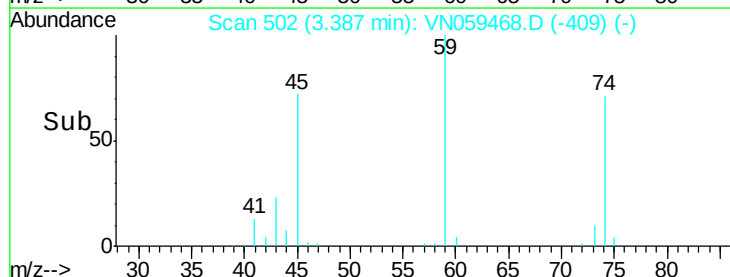
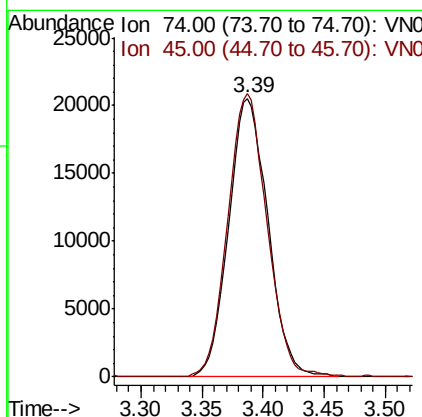
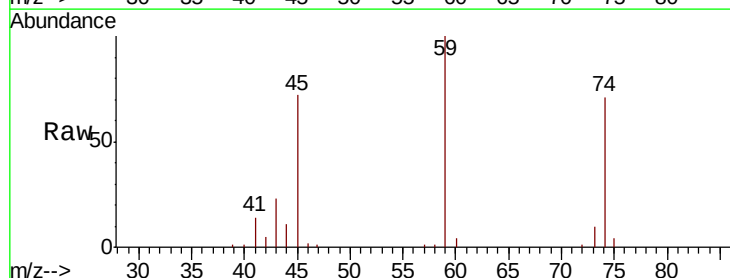
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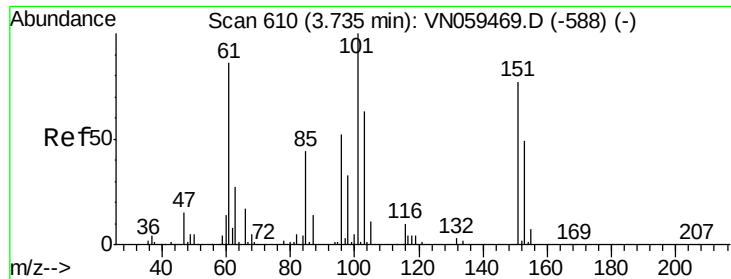


#8

Diethyl Ether
 Concen: 19.772 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	102.0	52.3	157.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.081 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

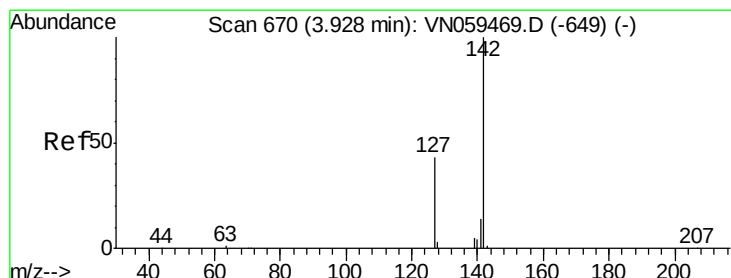
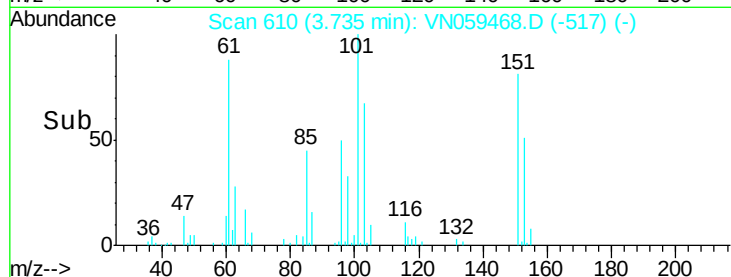
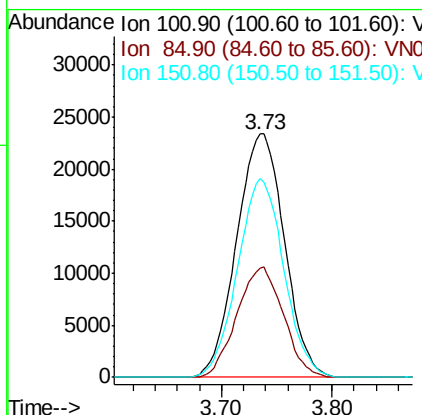
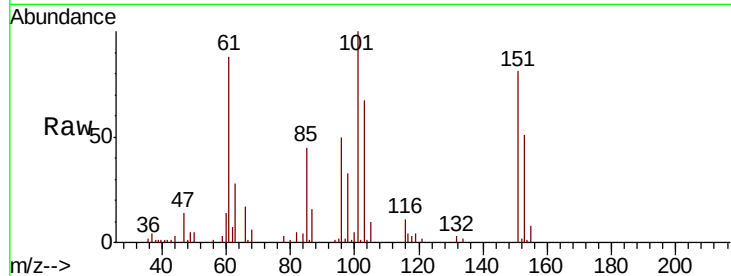
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	70296
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	79.0	62.4	93.6

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#10

Methyl Iodide

Concen: 19.738 ug/l

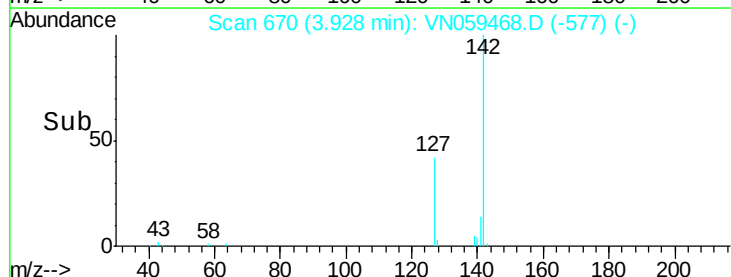
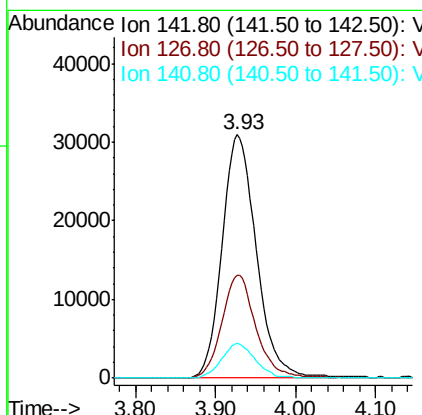
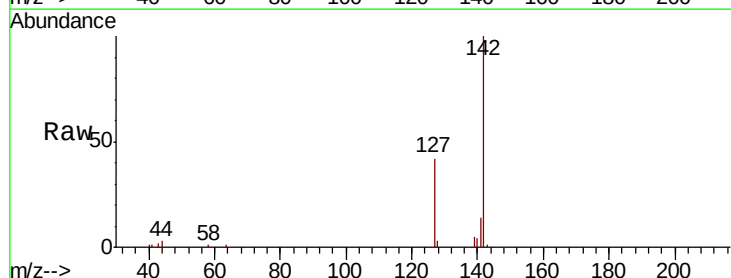
RT: 3.93 min Scan# 670

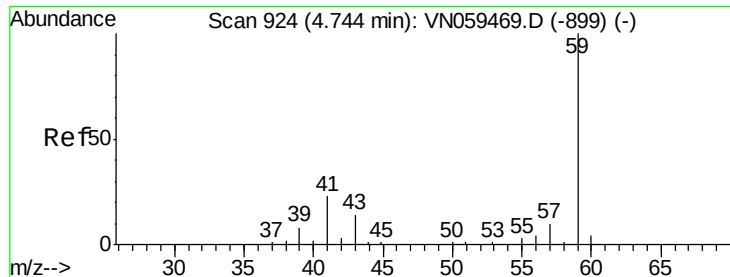
Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	142	Resp:	90450
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.6	52.0
141	13.7	11.4	17.0





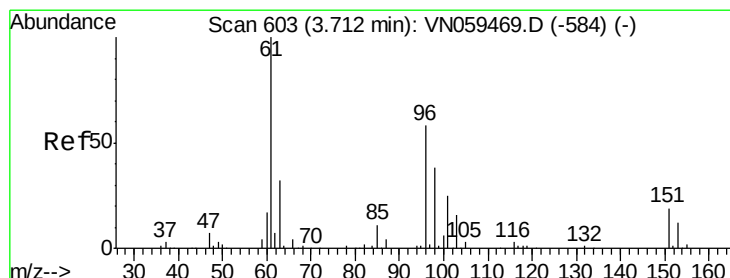
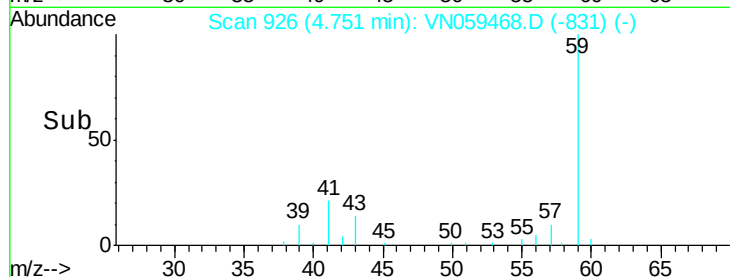
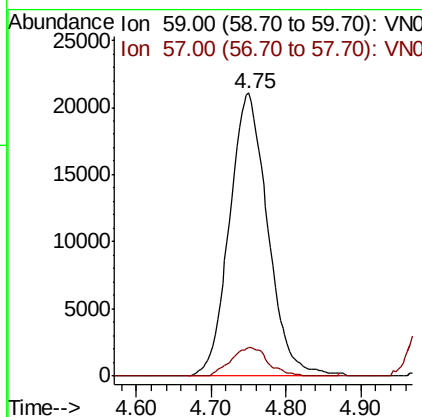
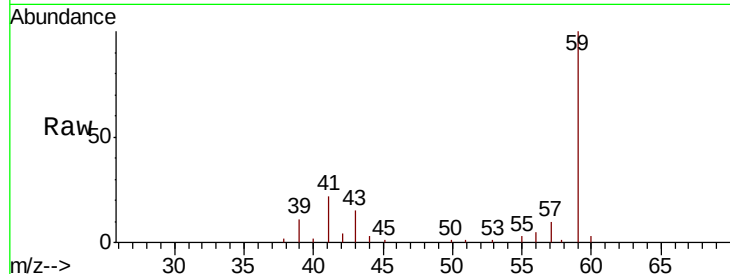
#11
Tert butyl alcohol
Concen: 104.542 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.01 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

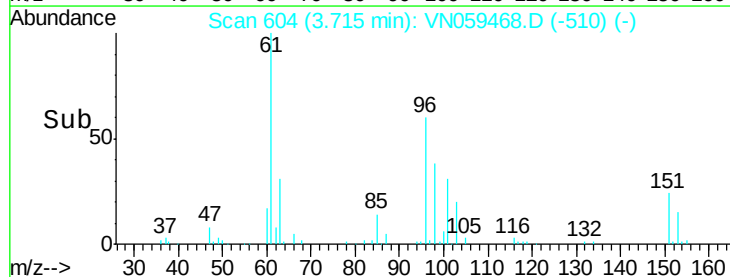
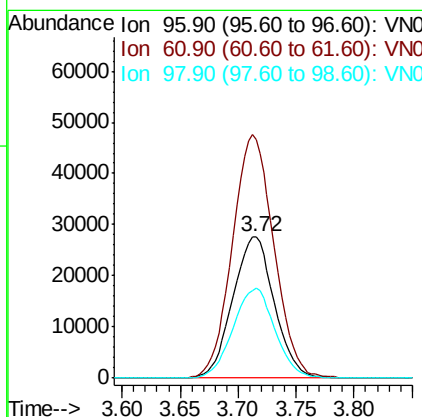
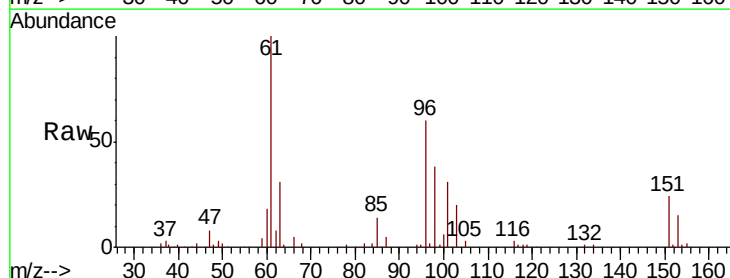
Manual Integrations
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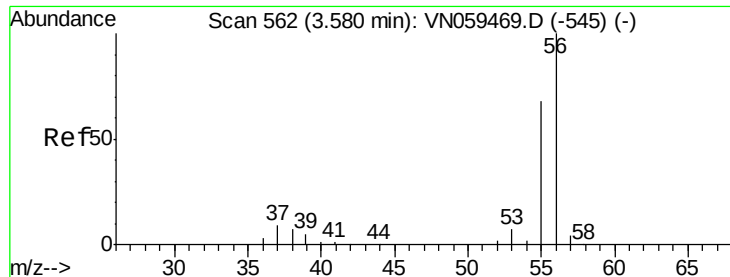
apatel
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#12
1,1-Dichloroethene
Concen: 20.019 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	137.1	205.7
98	63.5	52.4	78.6





#13

Acrolein

Concen: 93.658 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 63647

Ion Ratio Lower Upper

56 100

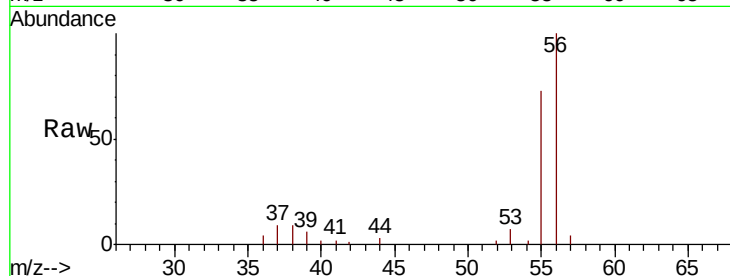
55 73.1 56.5 84.7

Manual Integrations

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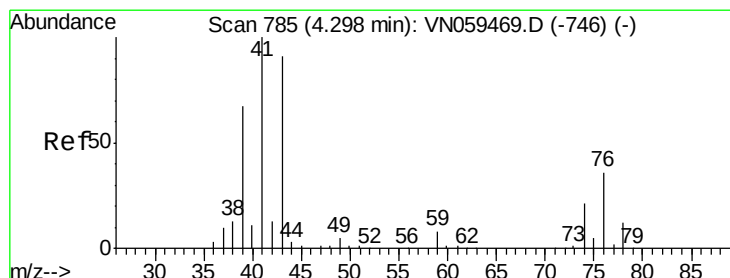
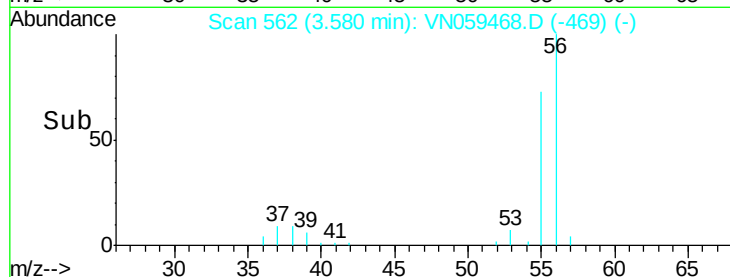
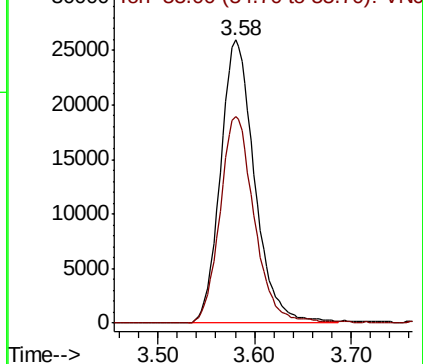
apatel

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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: 20.792 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

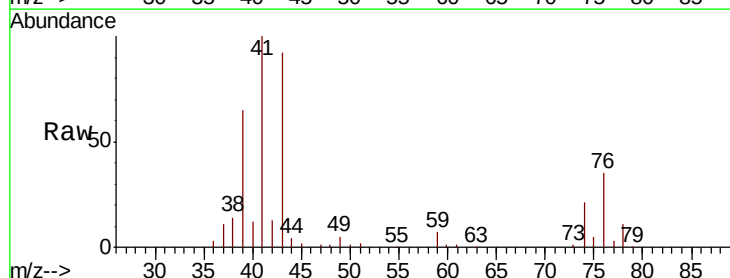
Tgt Ion: 41 Resp: 133450

Ion Ratio Lower Upper

41 100

39 62.5 49.3 73.9

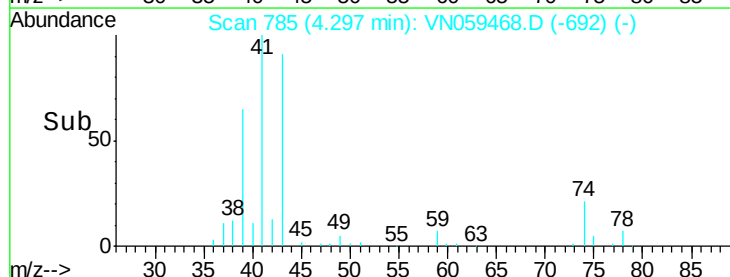
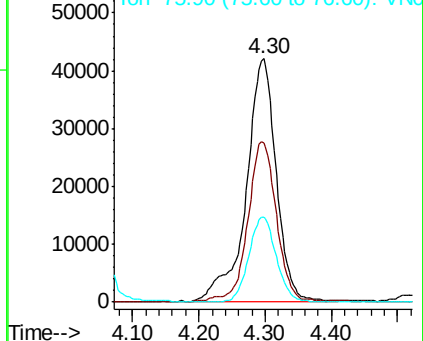
76 31.6 25.6 38.4

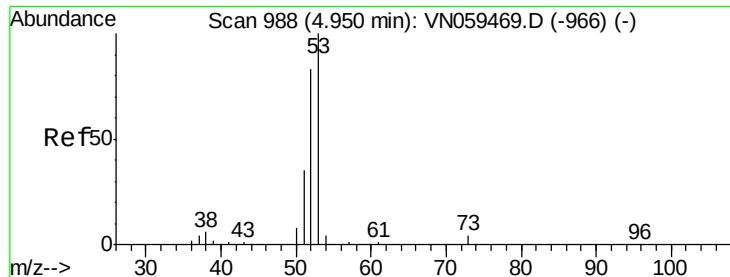


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.380 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

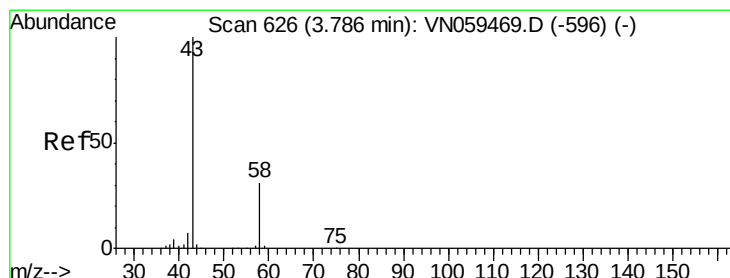
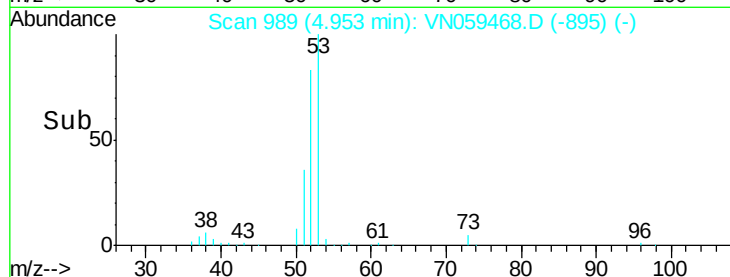
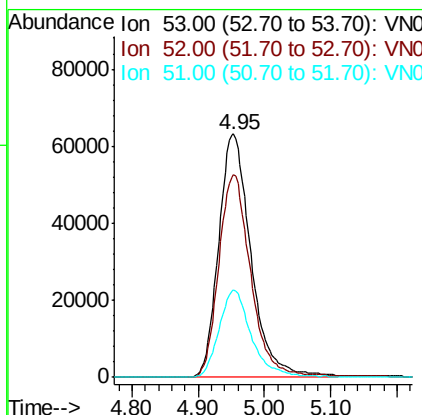
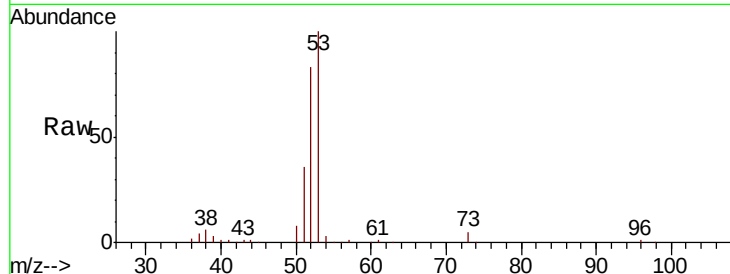
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	214396
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.5	98.3
51	36.0	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 125.431 ug/l

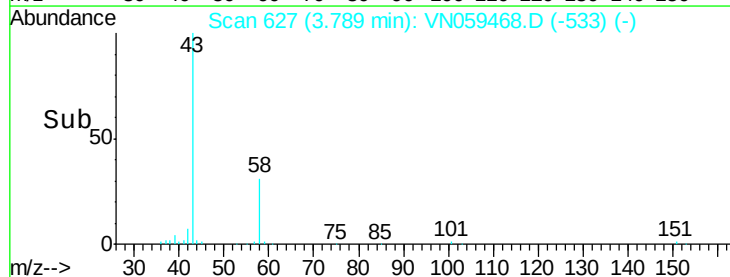
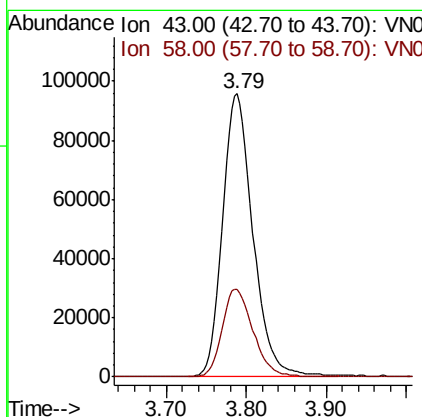
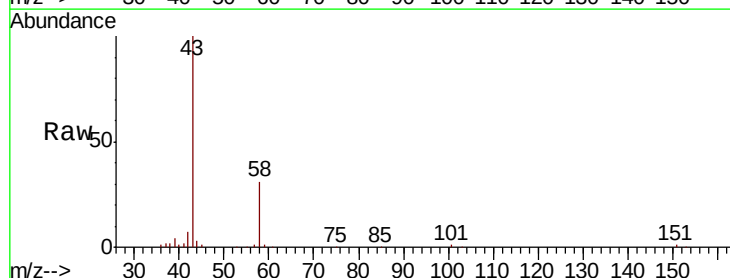
RT: 3.79 min Scan# 627

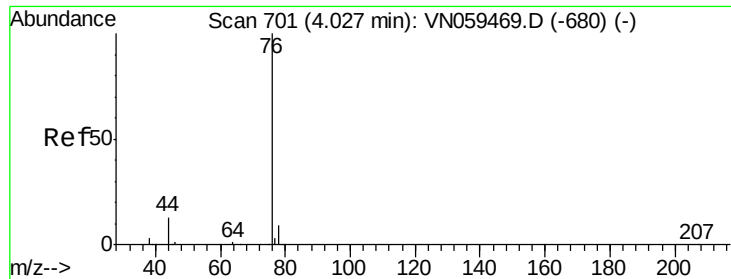
Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	43	Resp:	247820
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.9	37.3





#17

Carbon Disulfide

Concen: 19.107 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 225324

Ion Ratio Lower Upper

76 100

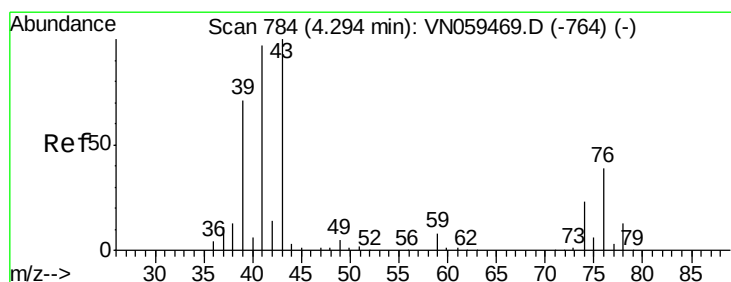
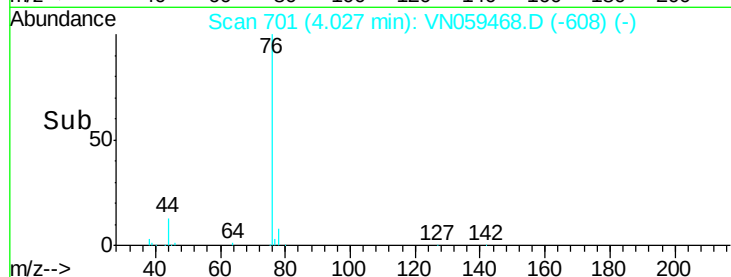
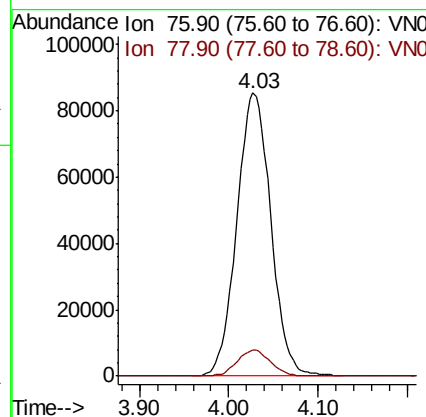
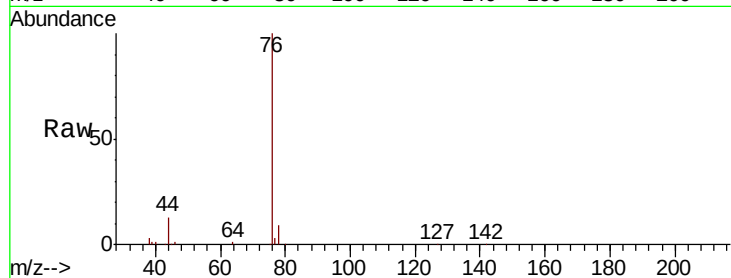
78 9.1 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 20.680 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059468.D

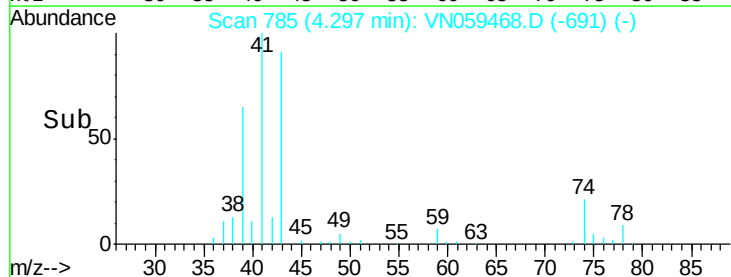
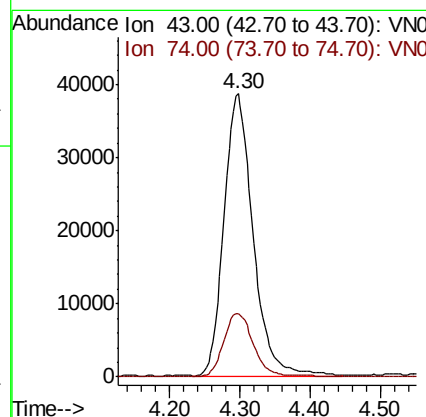
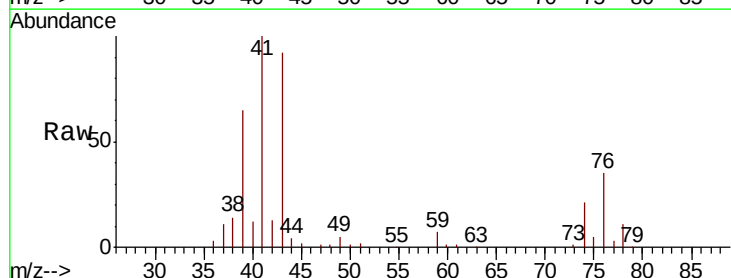
Acq: 3 Dec 2019 14:03

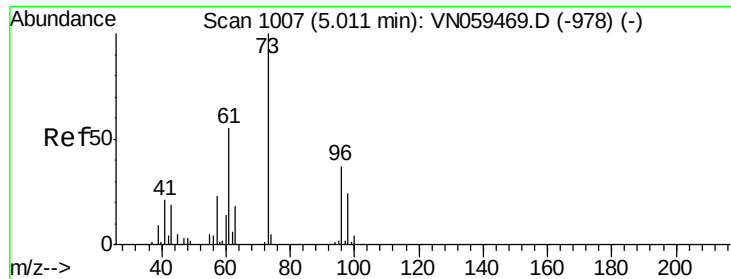
Tgt Ion: 43 Resp: 110920

Ion Ratio Lower Upper

43 100

74 23.1 18.3 27.5





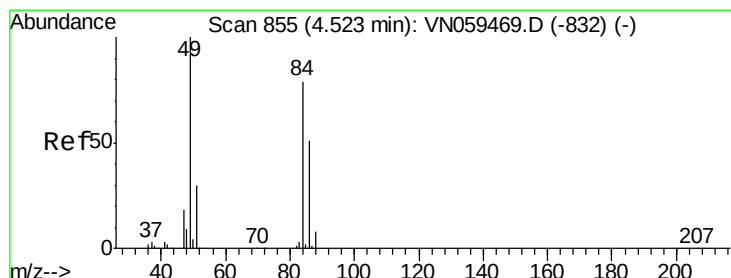
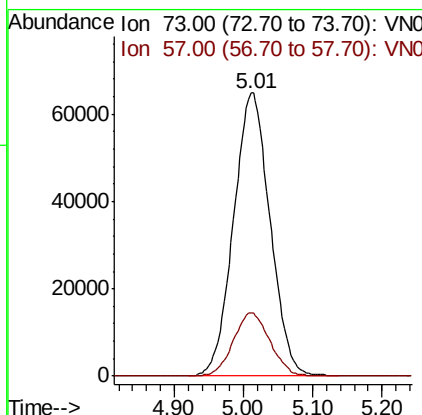
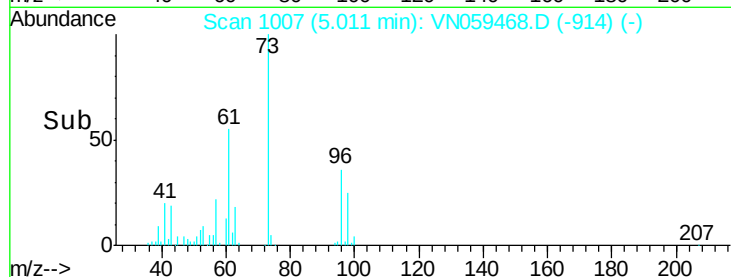
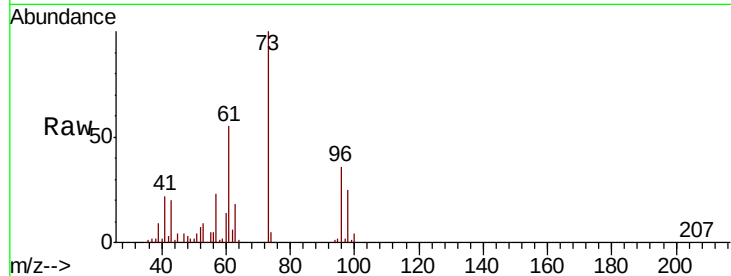
#19
Methyl tert-butyl Ether
Concen: 21.278 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 237887
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

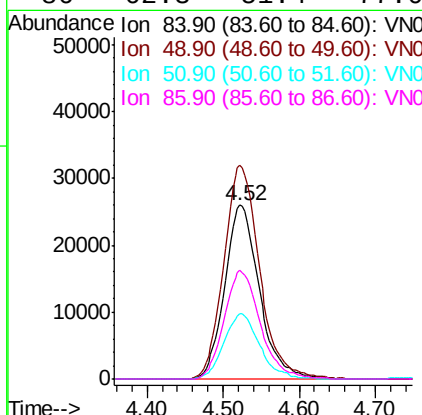
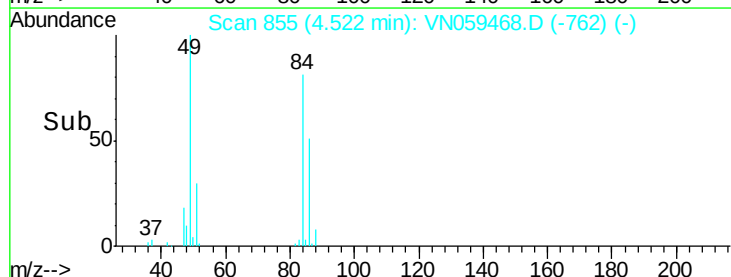
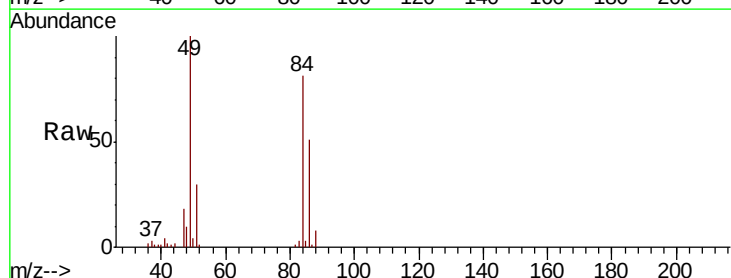
Manual Integrations
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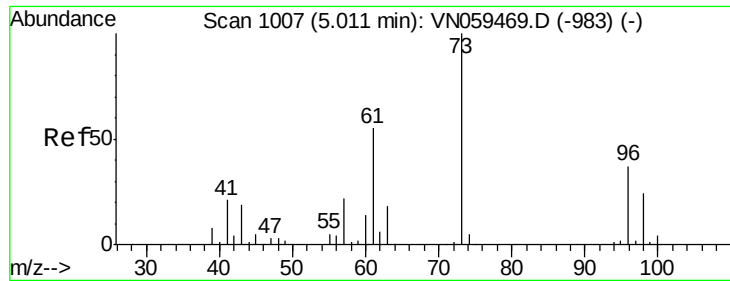
apatel
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#20
Methylene Chloride
Concen: 20.912 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion: 84 Resp: 82743
Ion Ratio Lower Upper
84 100
49 122.8 101.1 151.7
51 37.4 30.7 46.1
86 62.3 51.4 77.0





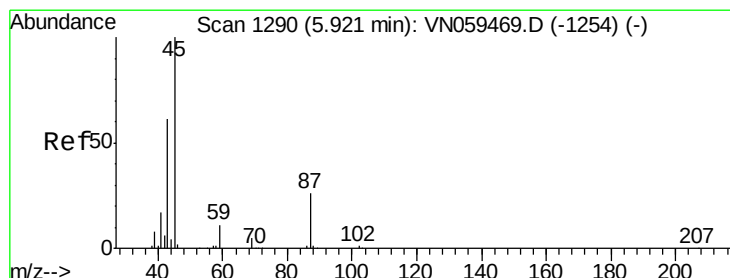
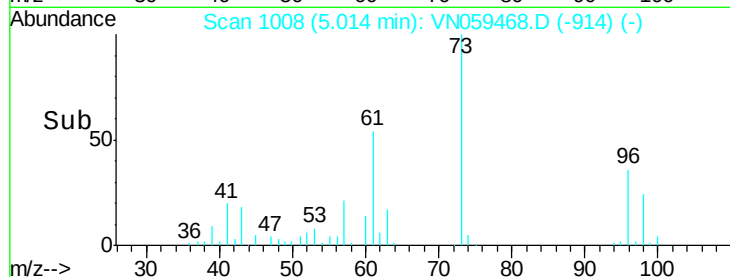
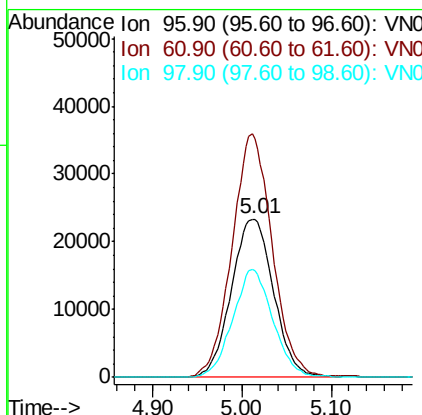
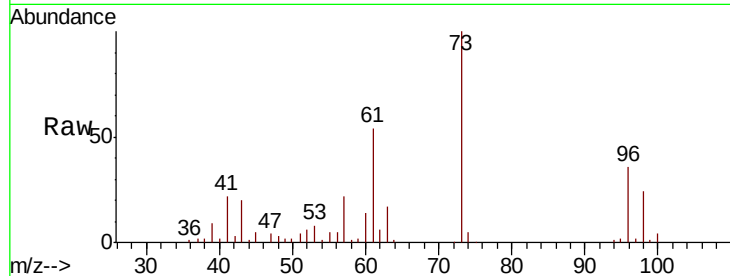
#21
trans-1,2-Dichloroethene
Concen: 20.488 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	118.9	178.3
98	67.5	51.6	77.4

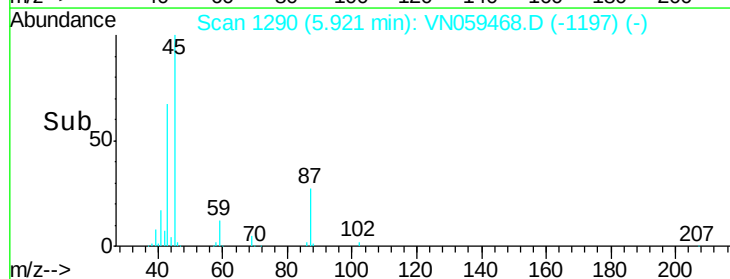
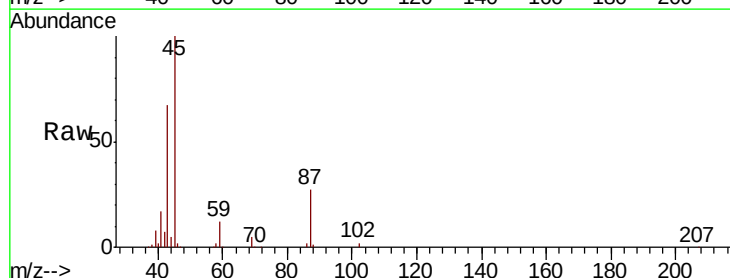
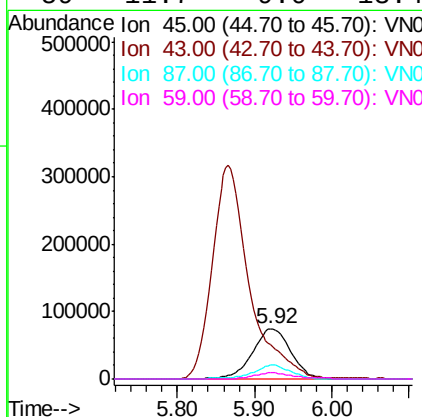
Manual Integrations
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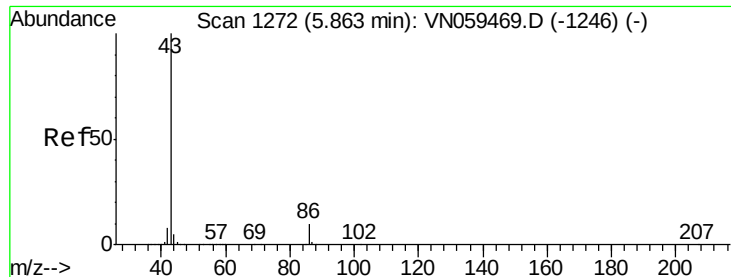
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#22
Diisopropyl ether
Concen: 21.476 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	49.1	73.7
87	26.7	21.6	32.4
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 108.888 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1057485

Ion Ratio Lower Upper

43 100

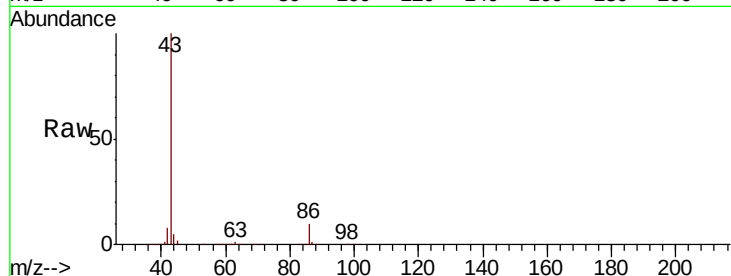
86 9.6 8.0 12.0

Manual Integrations

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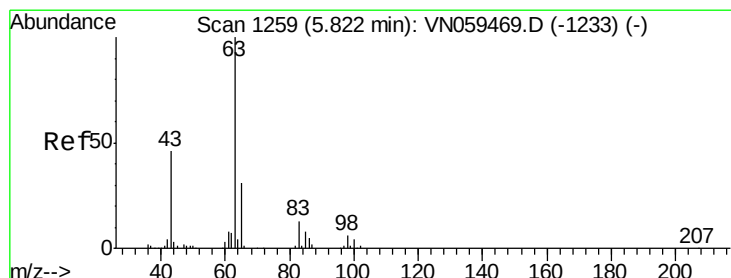
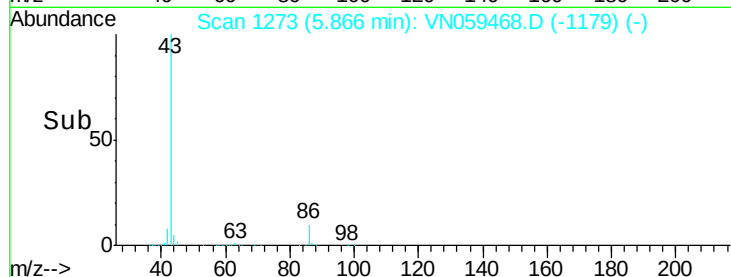
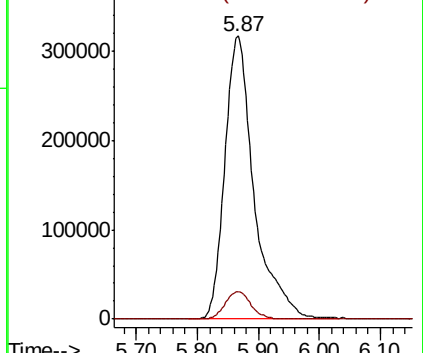
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.387 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

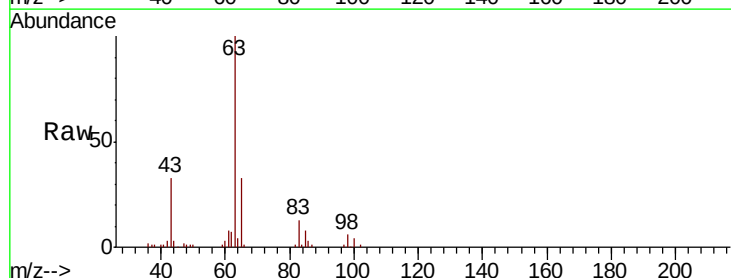
Tgt Ion: 63 Resp: 147027

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

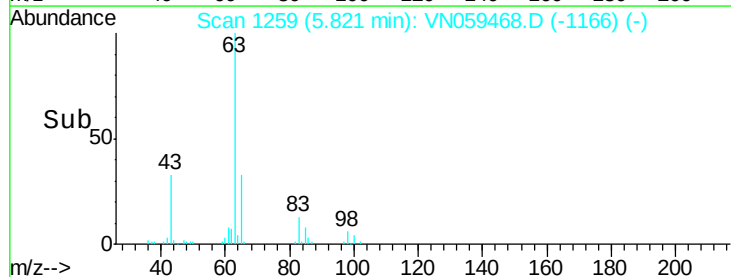
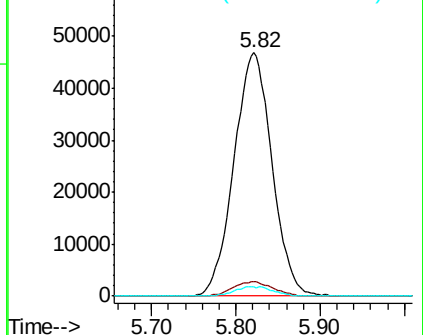
100 3.6 2.0 6.0

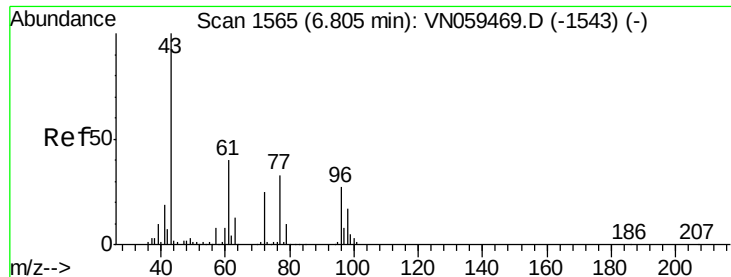


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 112.740 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 307127

Ion Ratio Lower Upper

43 100

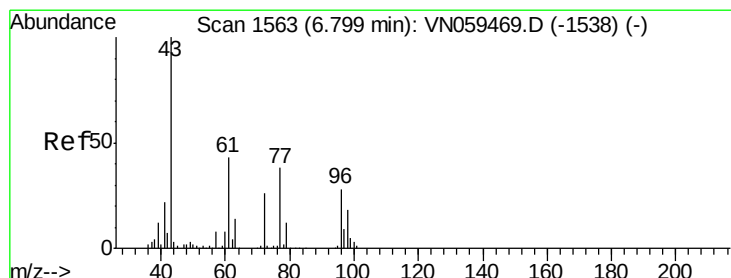
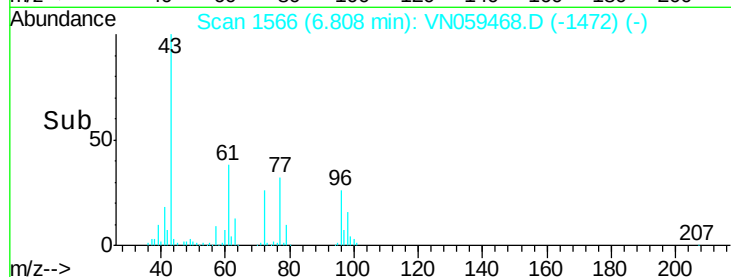
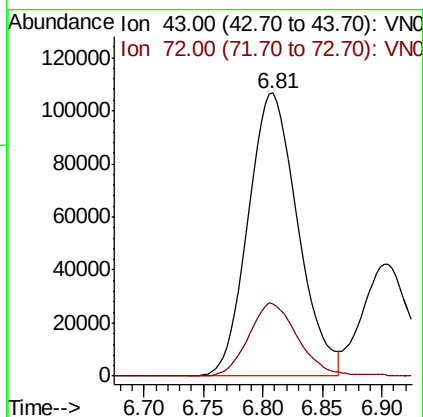
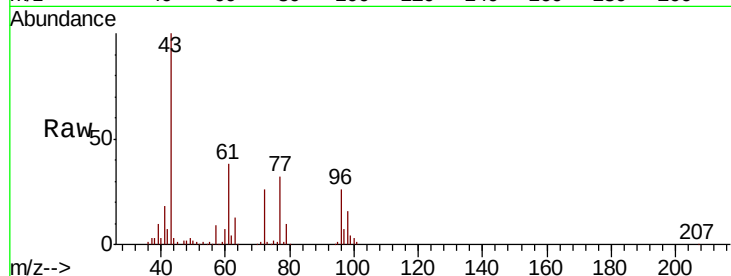
72 25.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.247 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059468.D

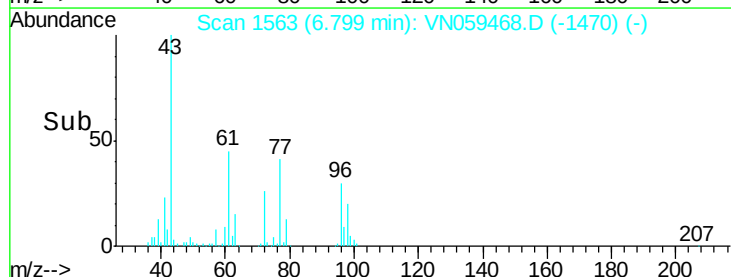
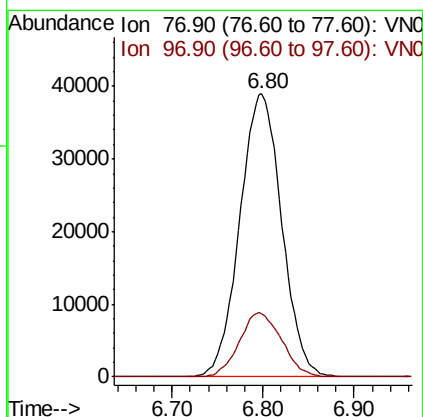
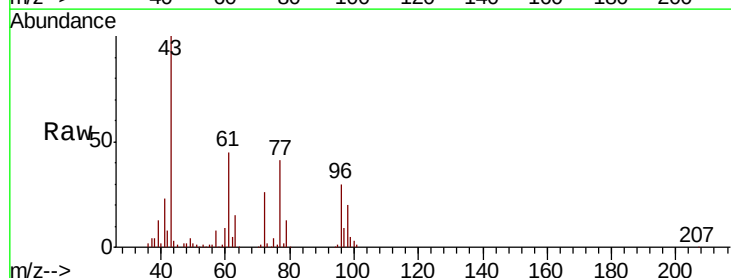
Acq: 3 Dec 2019 14:03

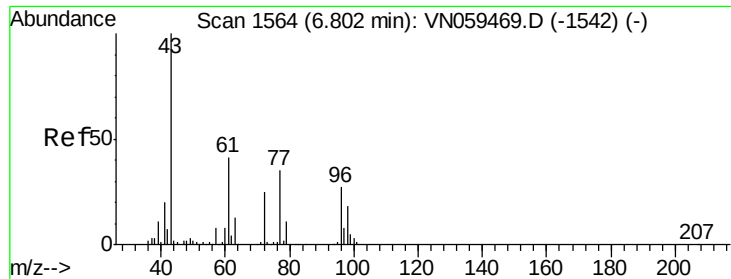
Tgt Ion: 77 Resp: 124470

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





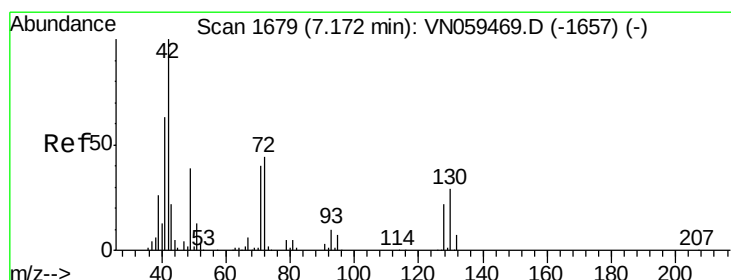
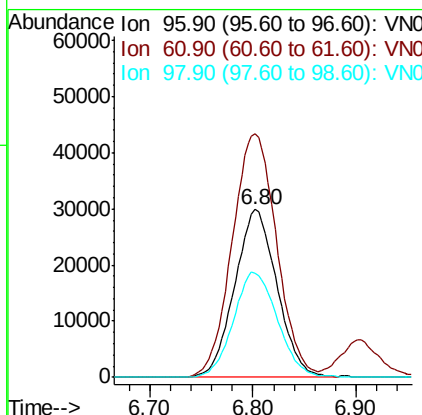
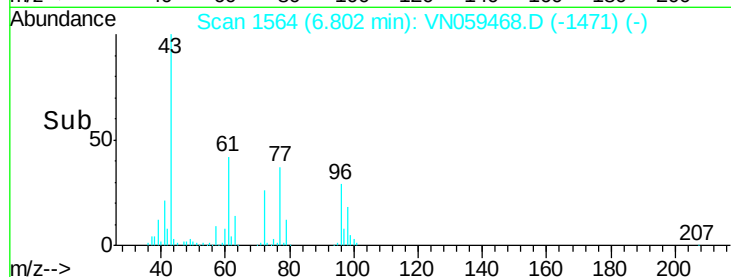
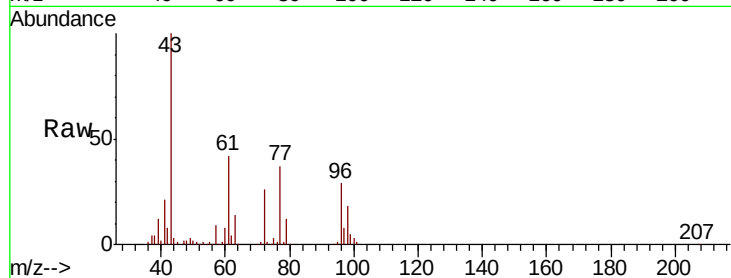
#27
 cis-1,2-Dichloroethene
 Concen: 20.728 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.6	0.0	307.4	
98	65.1	0.0	129.2	

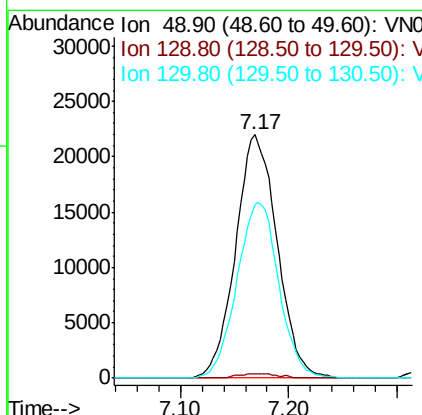
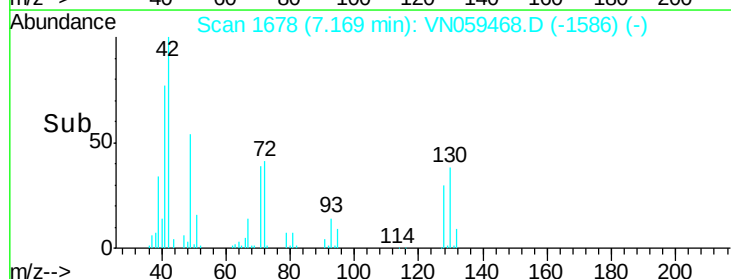
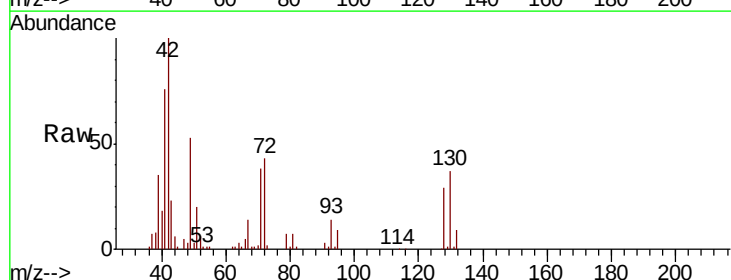
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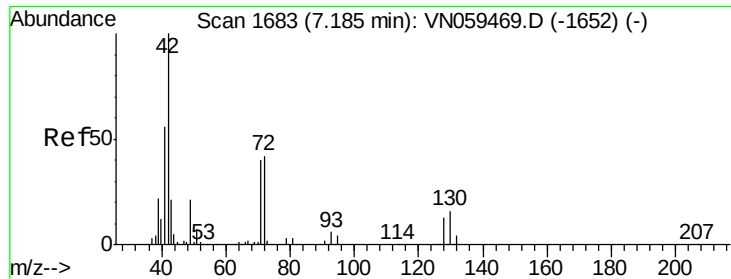
apatel
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#28
 Bromochloromethane
 Concen: 25.164 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.2	
130	72.6	58.4	87.6	





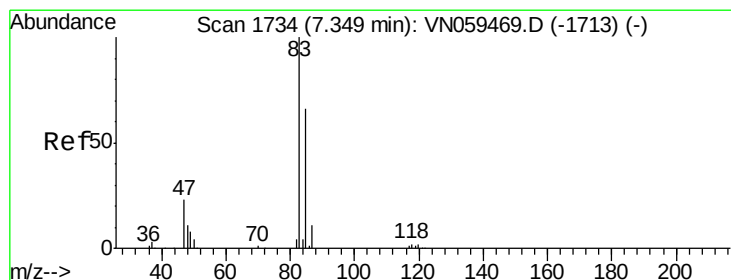
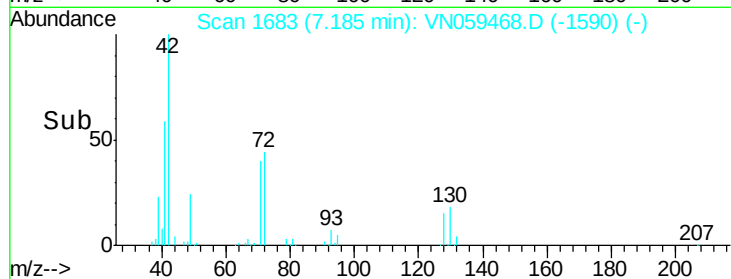
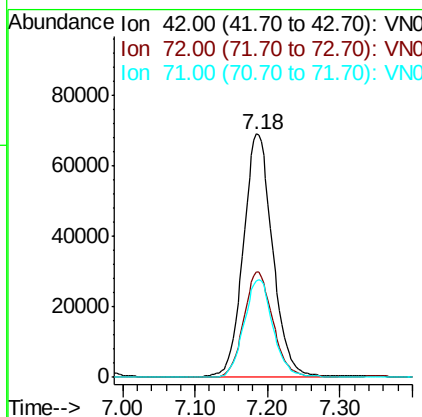
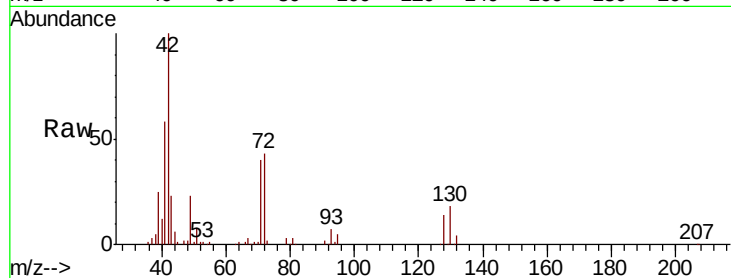
#29
Tetrahydrofuran
Concen: 107.498 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.6	32.0	48.0

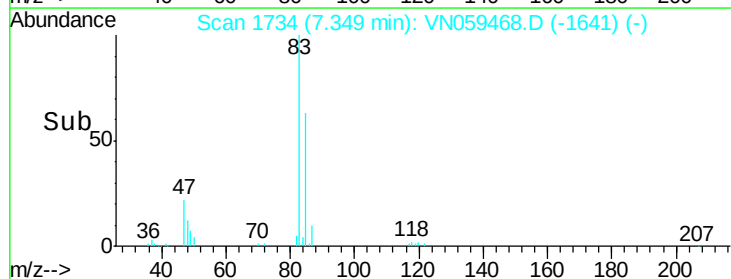
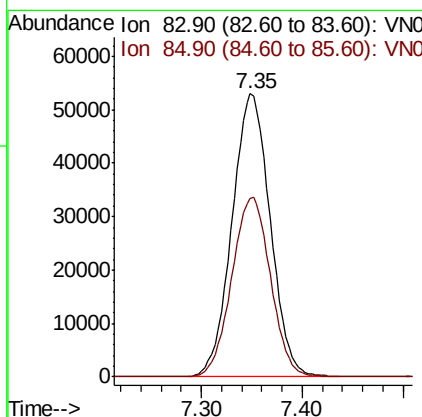
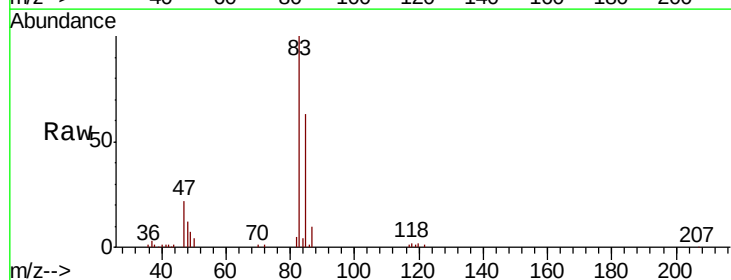
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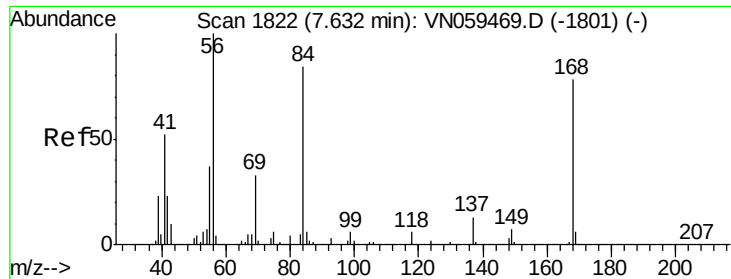
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#30
Chloroform
Concen: 20.137 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.4	78.6





#31

Cyclohexane

Concen: 19.885 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

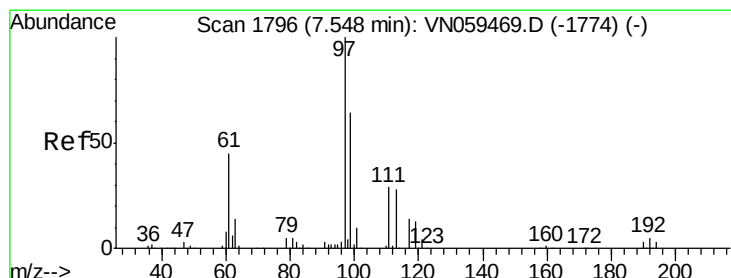
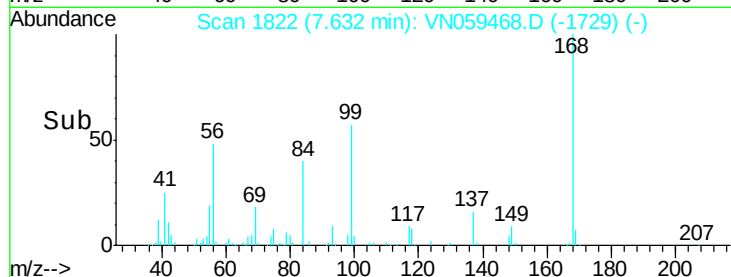
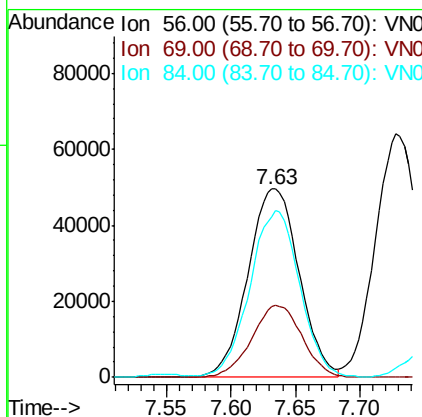
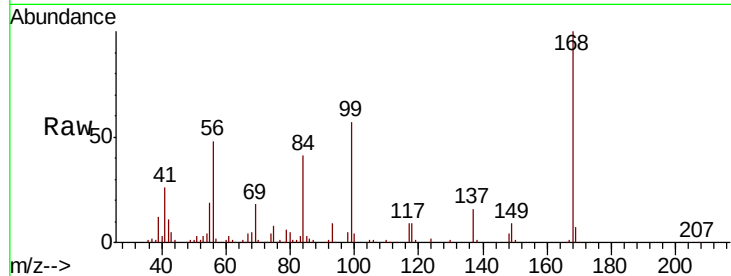
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	136995
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.2	39.4
84	84.5	66.8	100.2

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#32

1,1,1-Trichloroethane

Concen: 21.414 ug/l

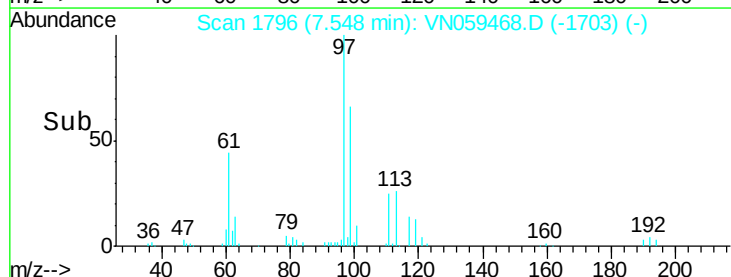
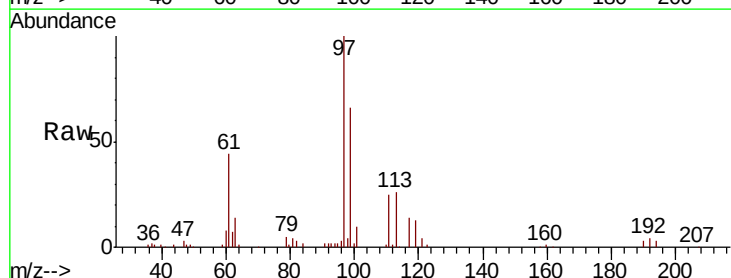
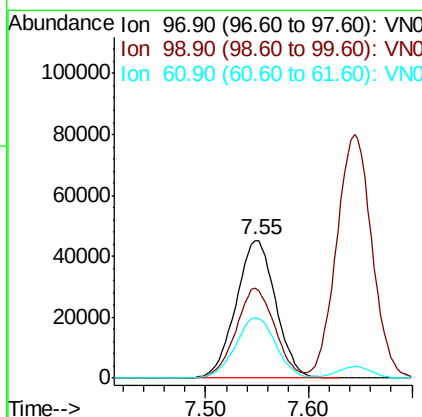
RT: 7.55 min Scan# 1796

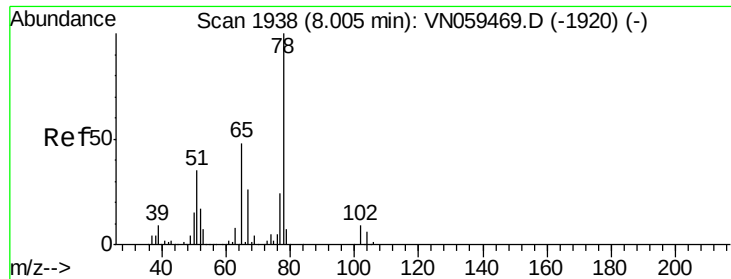
Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	97	Resp:	121099
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.7	77.5
61	44.7	35.4	53.0





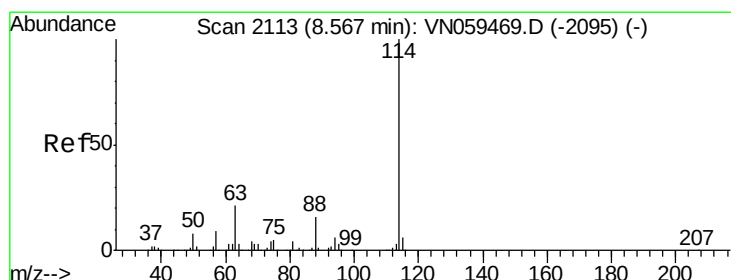
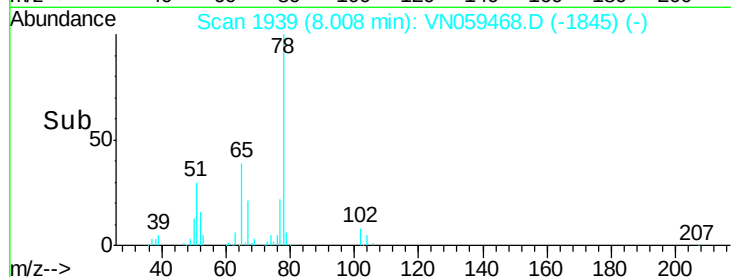
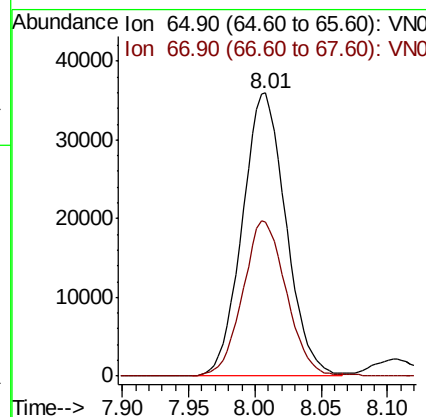
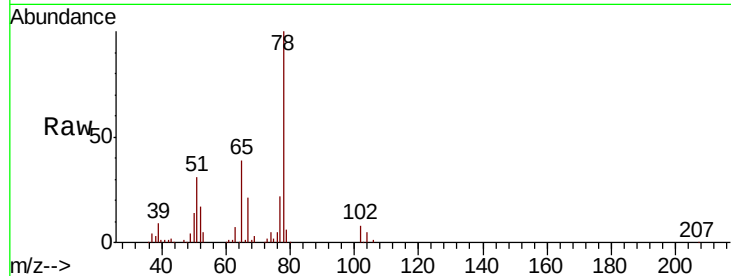
#33
 1,2-Dichloroethane-d4
 Concen: 20.082 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.4

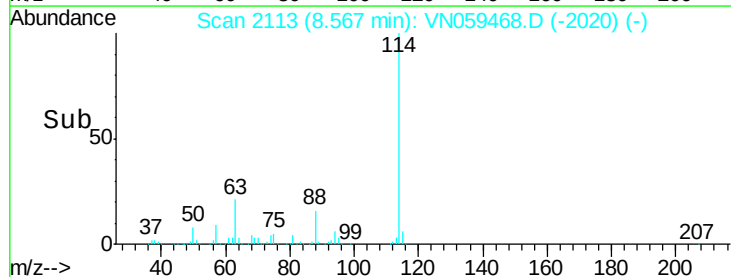
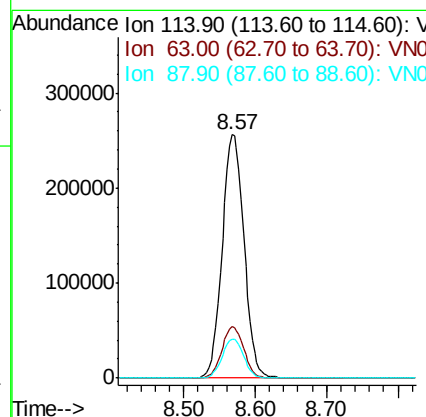
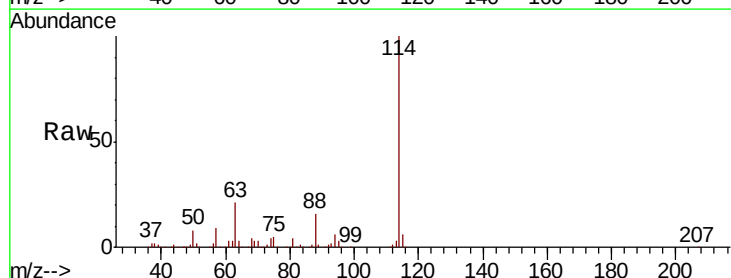
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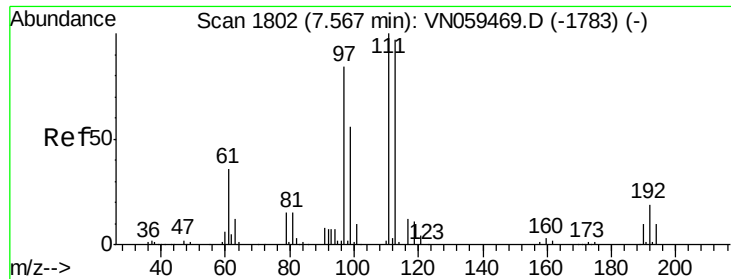
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.4
88	16.1	0.0	32.8





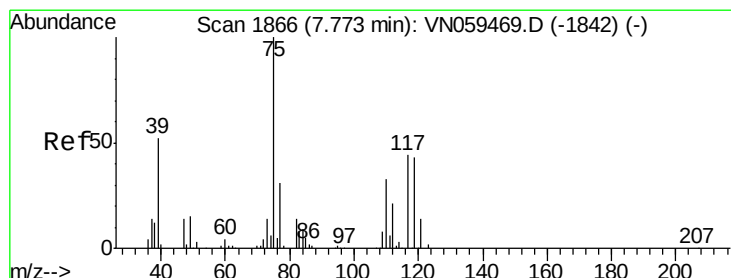
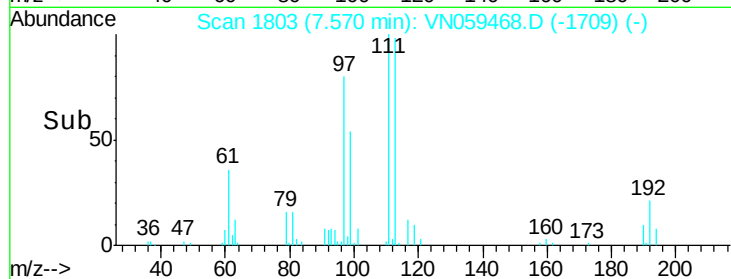
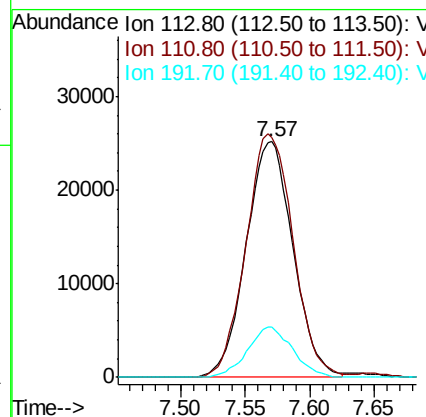
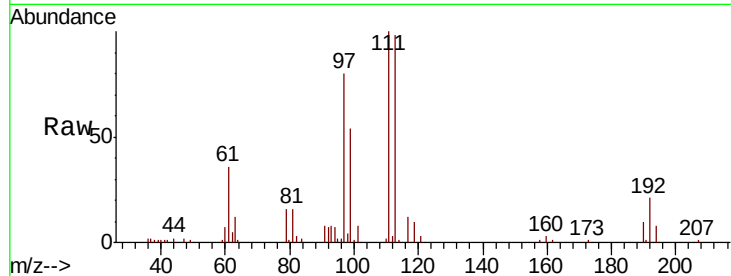
#35
 Dibromofluoromethane
 Concen: 19.180 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.5	123.7
192	20.5	16.1	24.1

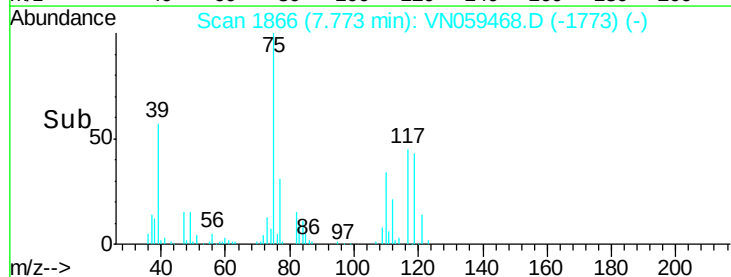
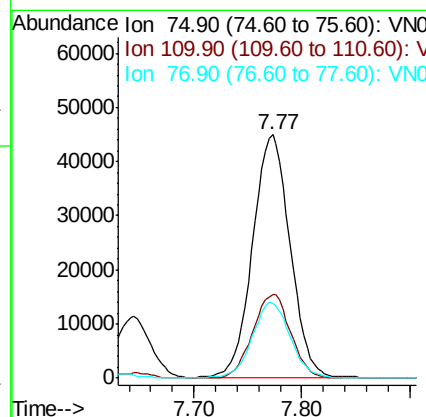
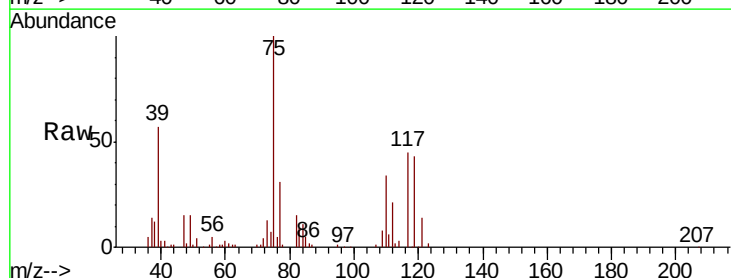
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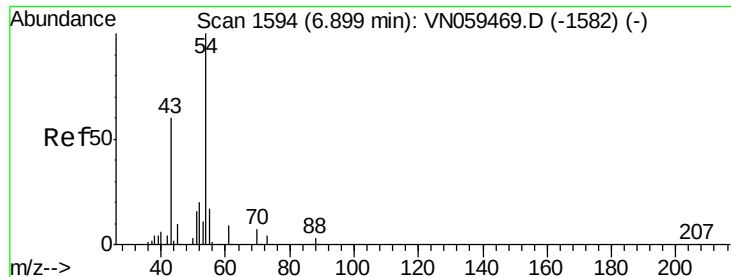
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#36
 1,1-Dichloropropene
 Concen: 20.382 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	31.8	25.1	37.7





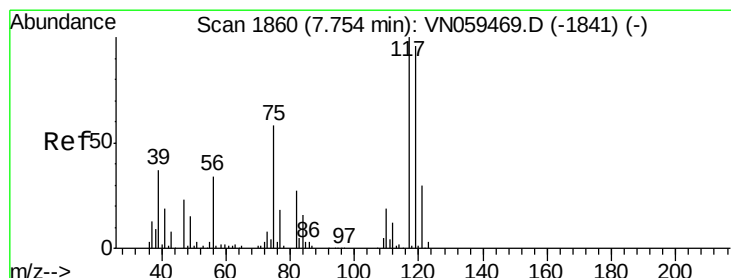
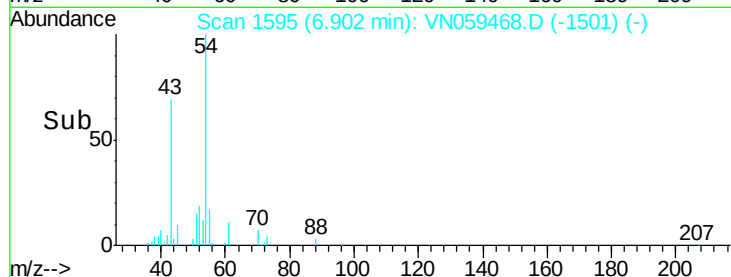
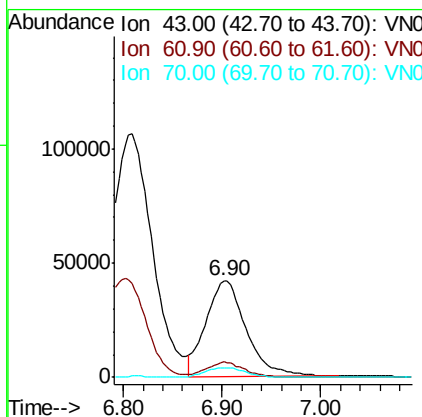
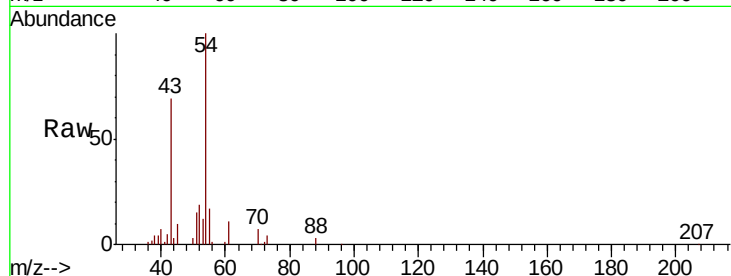
#37
Ethyl Acetate
Concen: 20.885 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	10.4	8.3	12.5

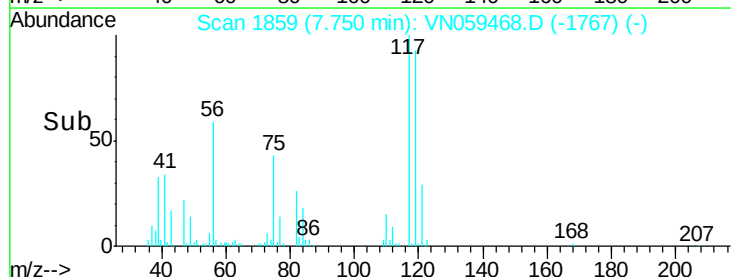
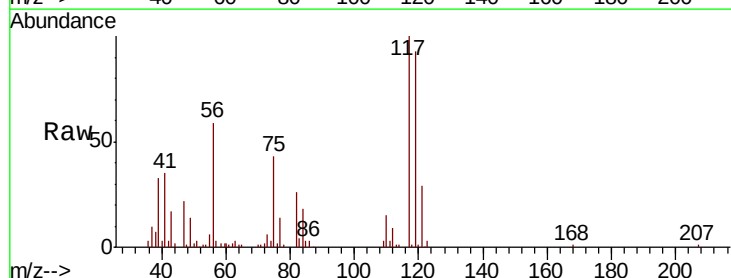
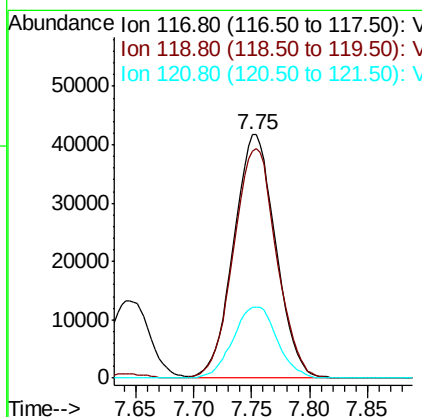
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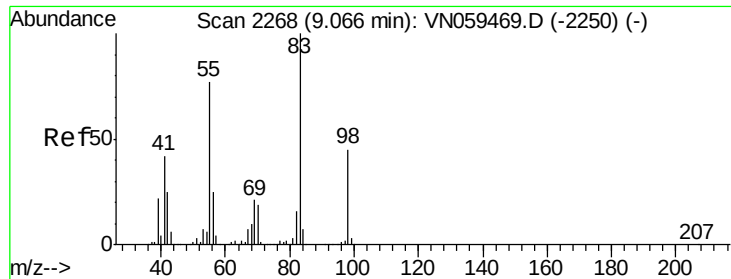
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#38
Carbon Tetrachloride
Concen: 21.009 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.6	114.8
121	28.9	24.0	36.0





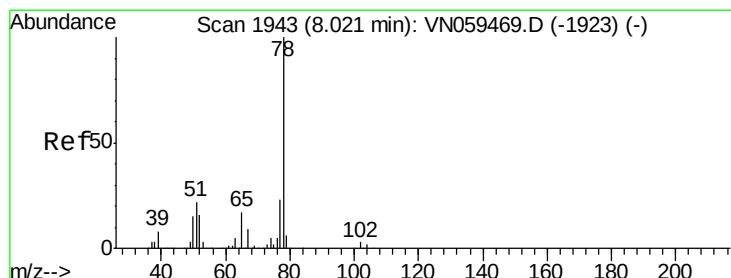
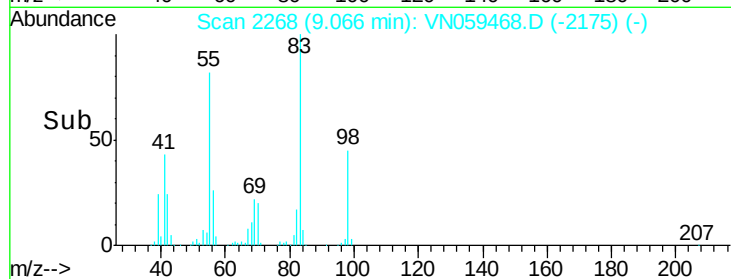
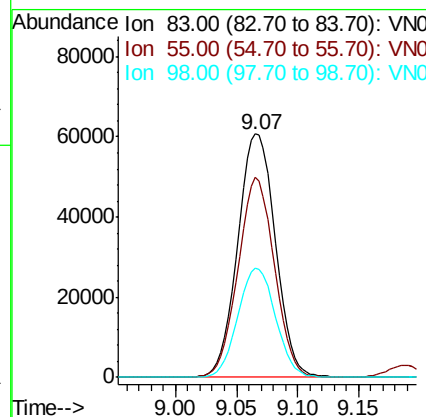
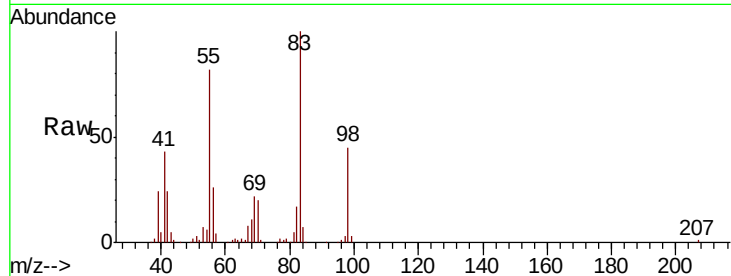
#39
Methylvlcyclohexane
Concen: 20.512 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	61.8	92.6
98	45.0	36.2	54.2

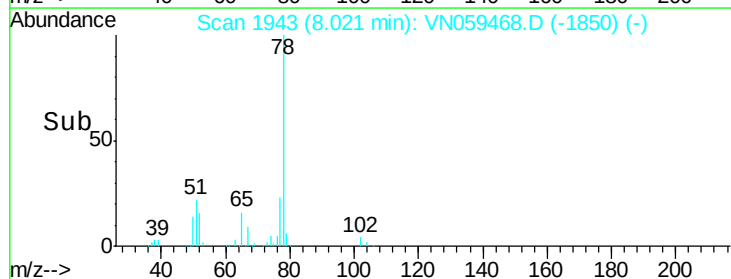
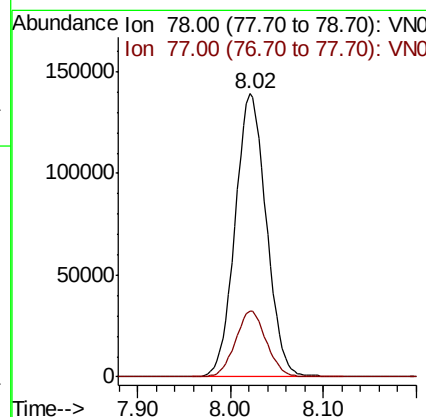
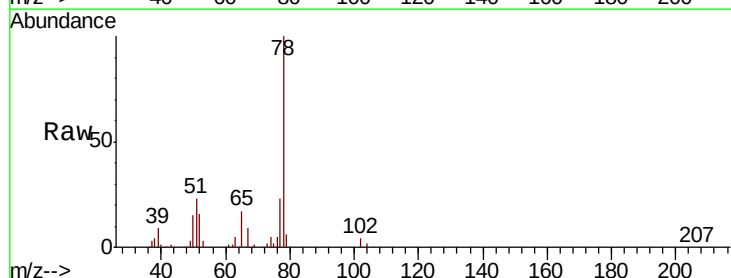
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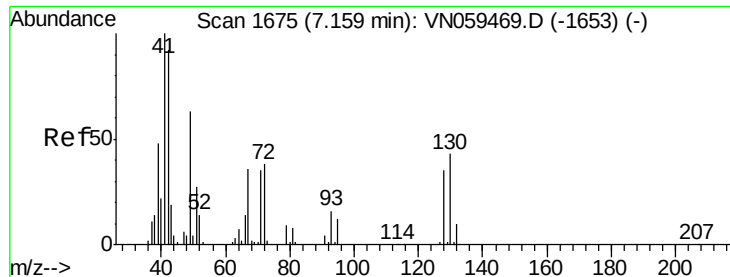
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#40
Benzene
Concen: 20.653 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2





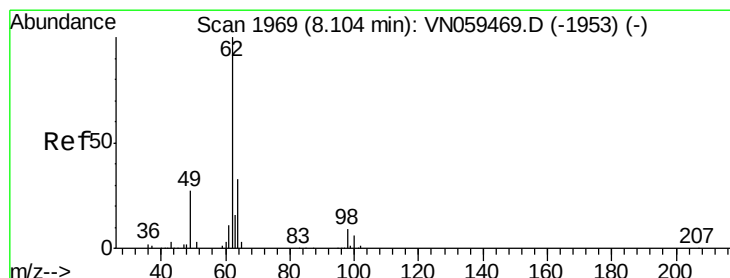
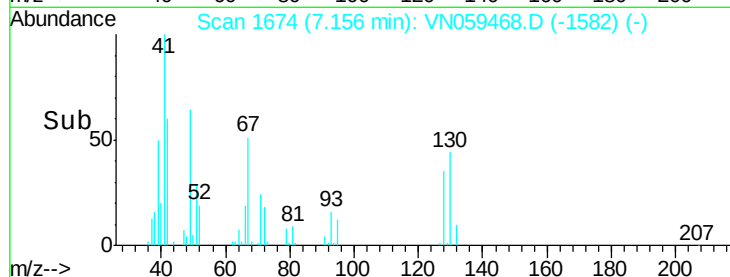
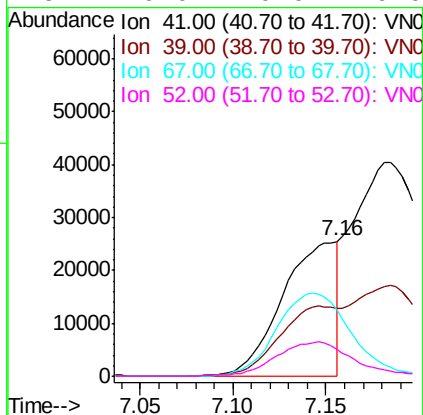
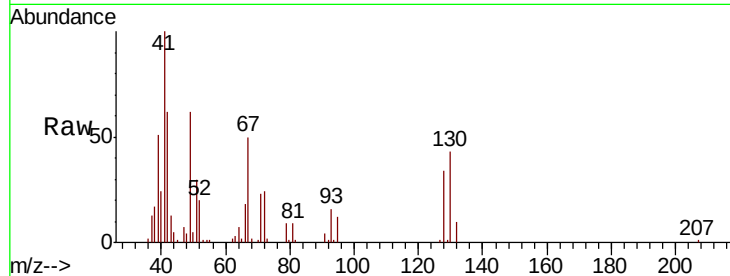
#41
Methacrylonitrile
Concen: 19.649 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

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

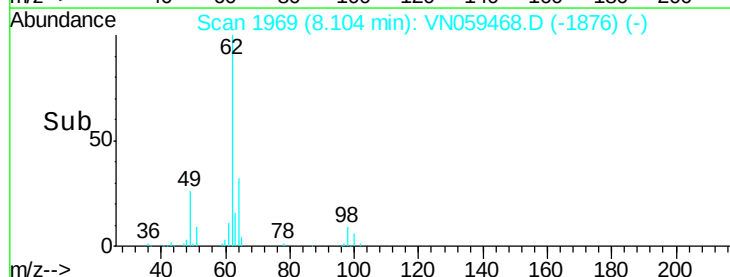
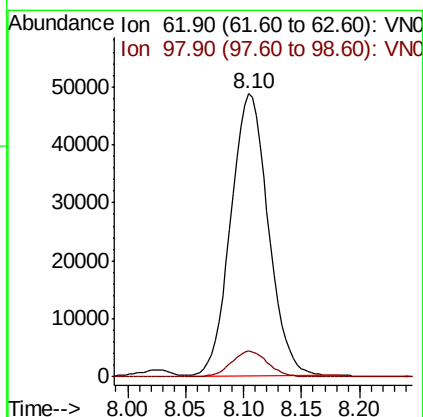
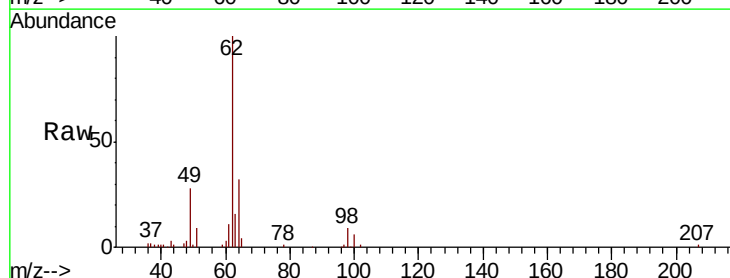
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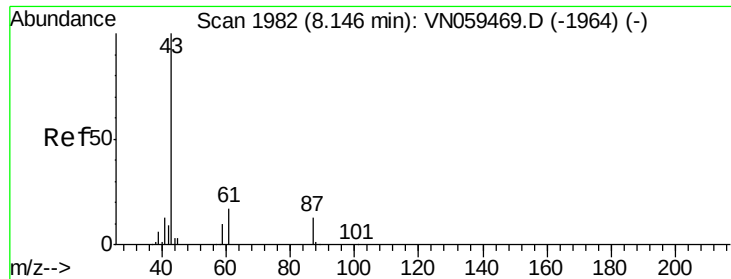
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#42
1,2-Dichloroethane
Concen: 21.795 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 21.198 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

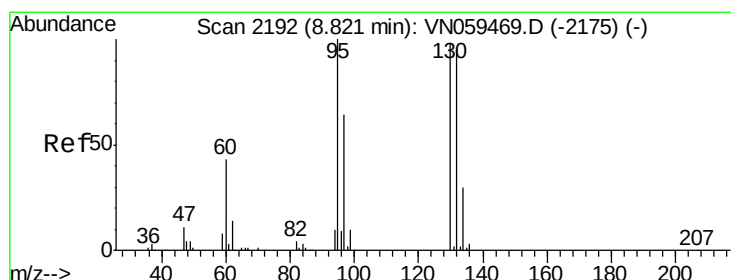
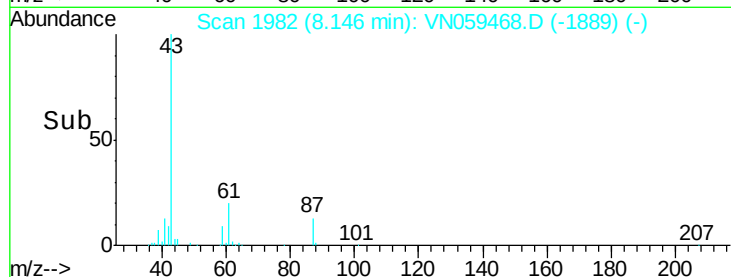
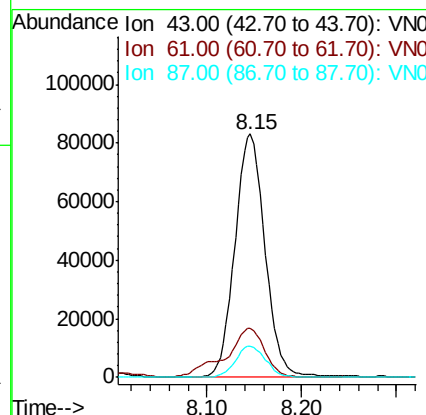
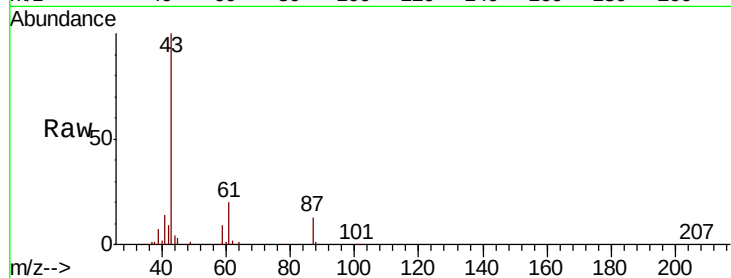
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	182691
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.9	10.4	15.6

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#44

Trichloroethene

Concen: 20.619 ug/l

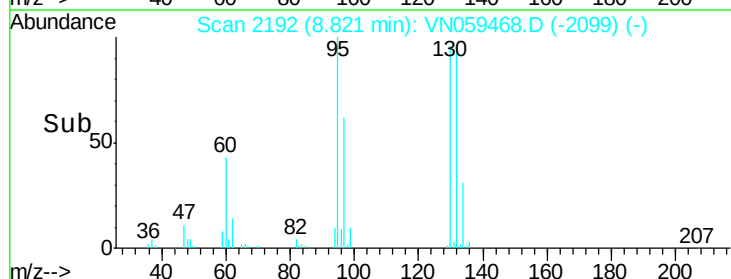
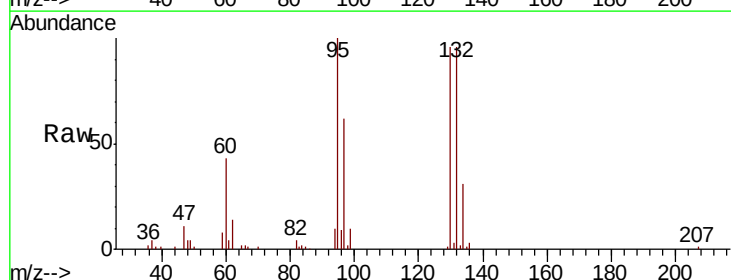
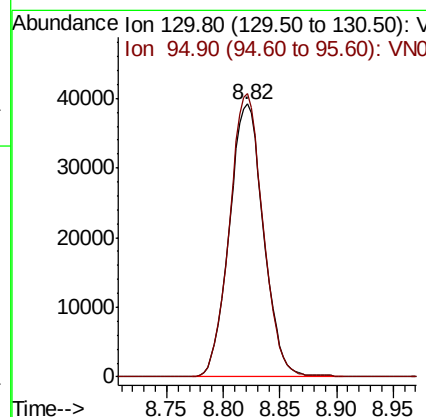
RT: 8.82 min Scan# 2192

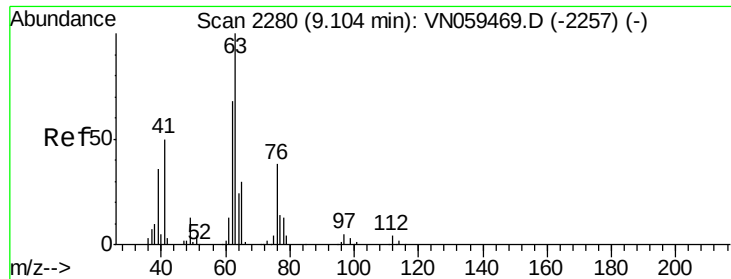
Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	130	Resp:	82485
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	203.6





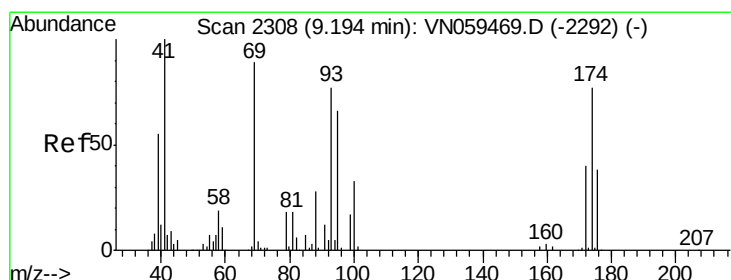
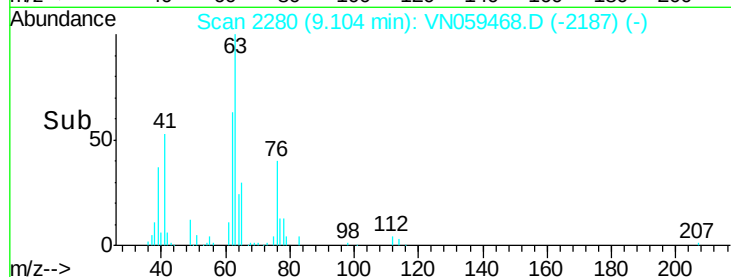
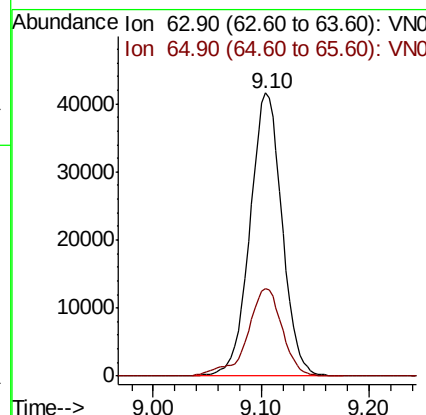
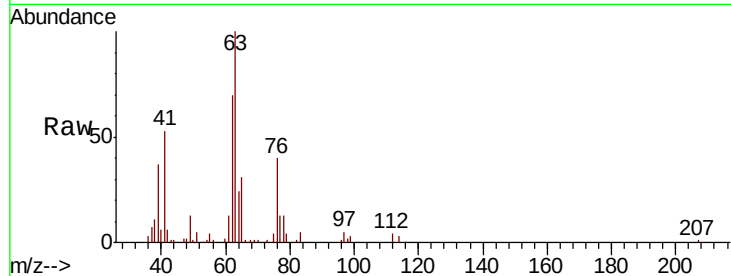
#45
 1,2-Dichloropropane
 Concen: 20.885 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.4	36.6

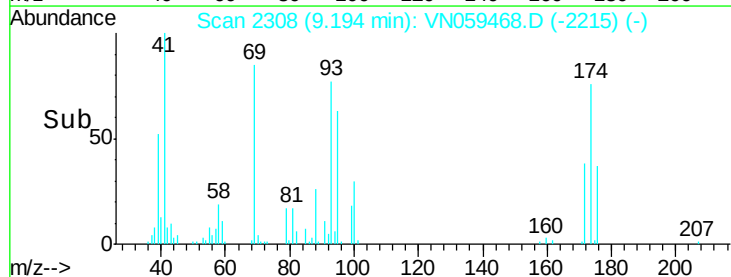
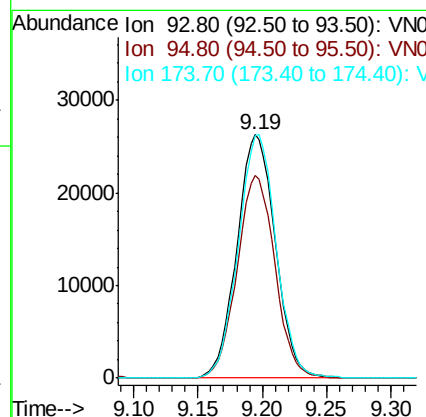
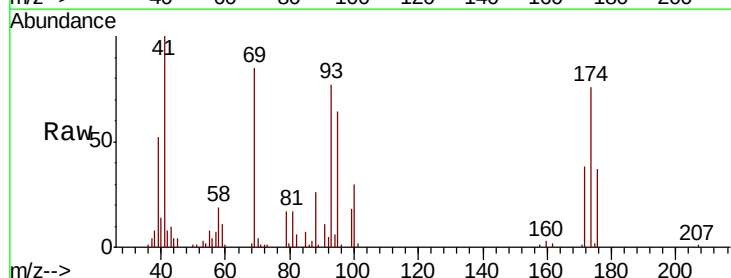
Manual Integrations
 APPROVED

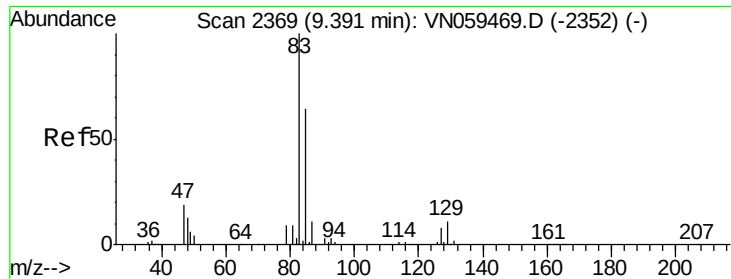
apatel
 12/4/2019 9:22:04 AM



#46
 Dibromomethane
 Concen: 21.418 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	67.0	100.6
174	98.7	79.6	119.4





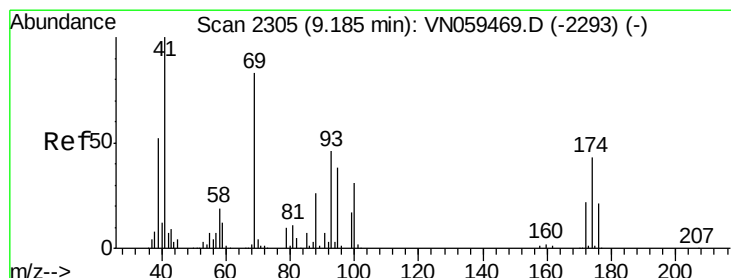
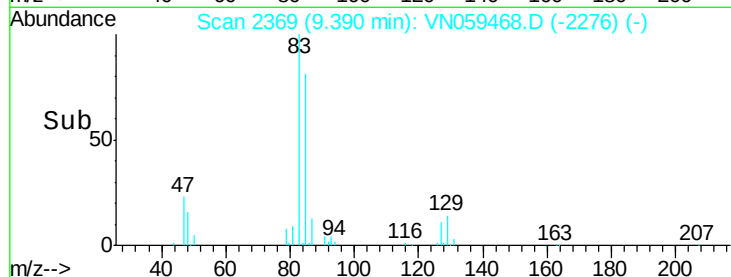
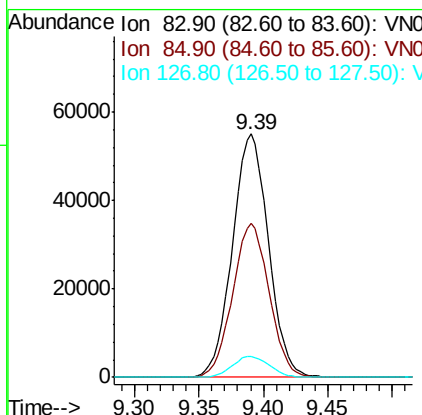
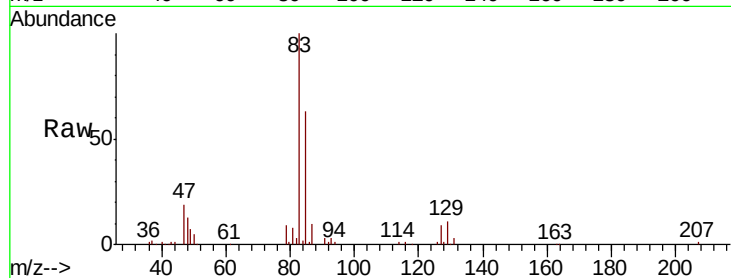
#47
Bromodichloromethane
Concen: 20.831 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	107143
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	8.7	6.6	9.8

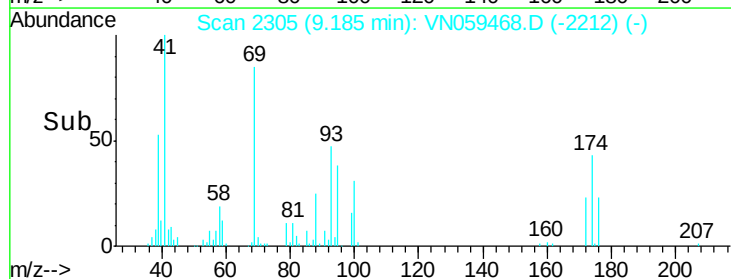
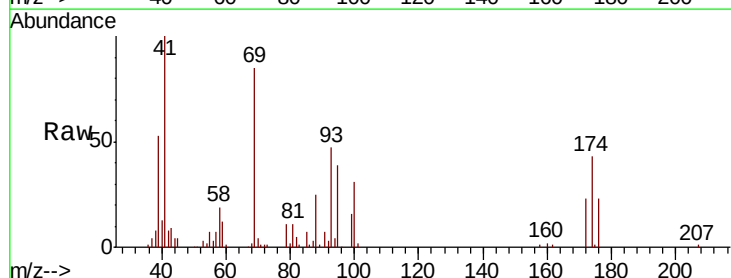
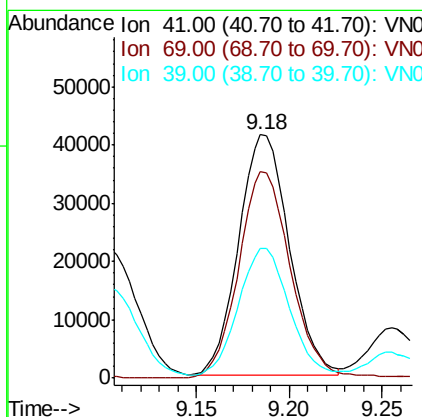
Manual Integrations
APPROVED

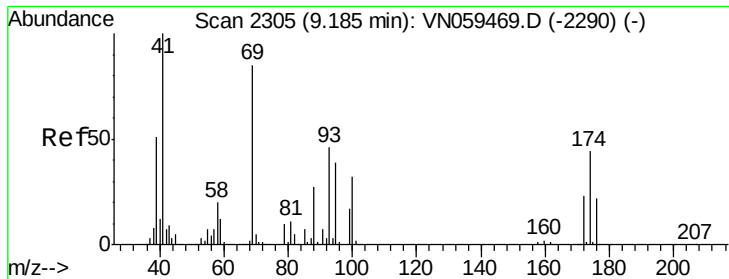
apatel
12/4/2019 9:22:04 AM



#48
Methyl methacrylate
Concen: 20.490 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	41	Resp	78542
Ion Ratio	100	Lower	Upper
41	100		
69	88.5	68.6	103.0
39	52.6	43.2	64.8





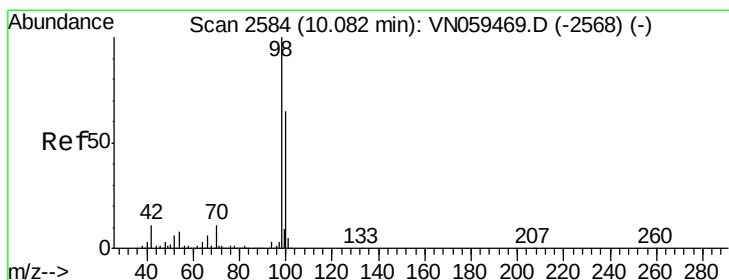
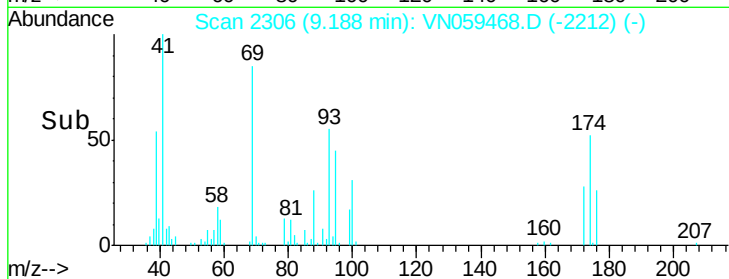
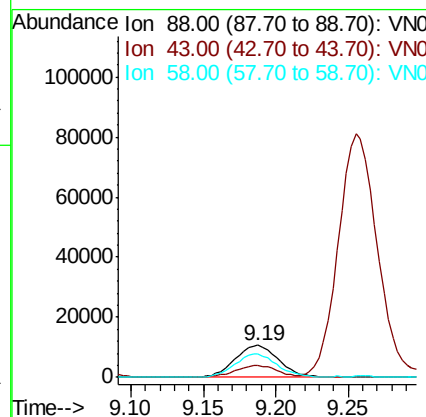
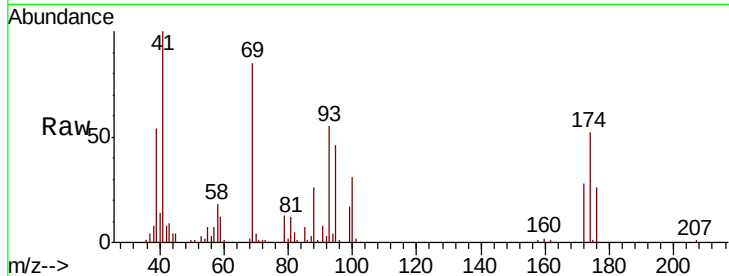
#49
1,4-Dioxane
Concen: 411.303 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	22366
Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.1	40.7
58	71.9	57.8	86.6

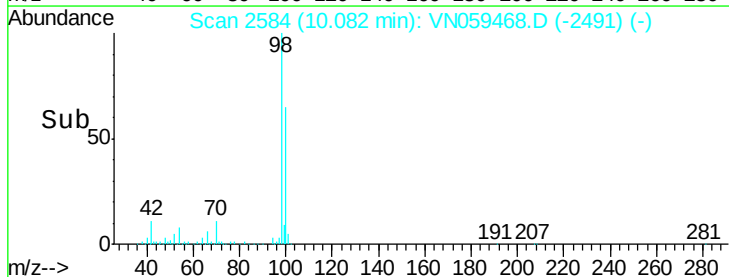
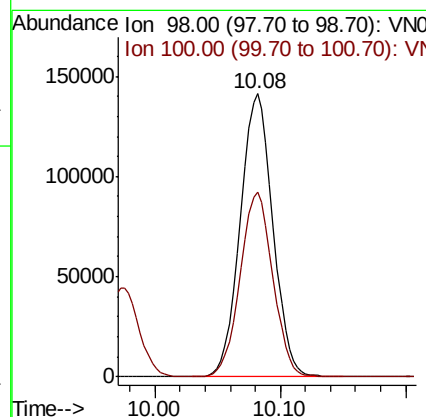
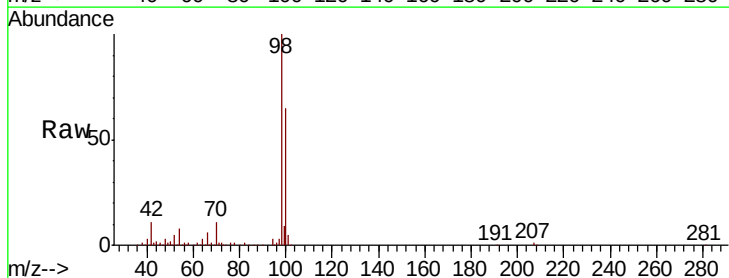
Manual Integrations
APPROVED

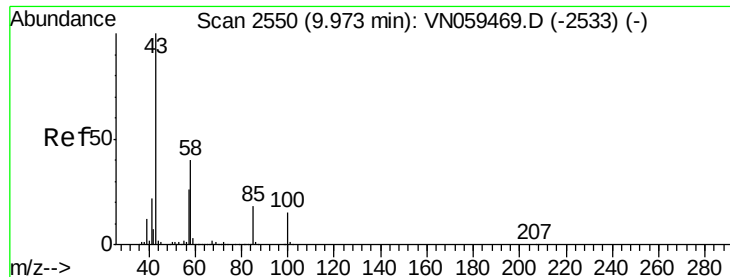
apatel
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#50
Toluene-d8
Concen: 19.228 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	98	Resp	255247
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 111.386 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 561011

Ion Ratio Lower Upper

43 100

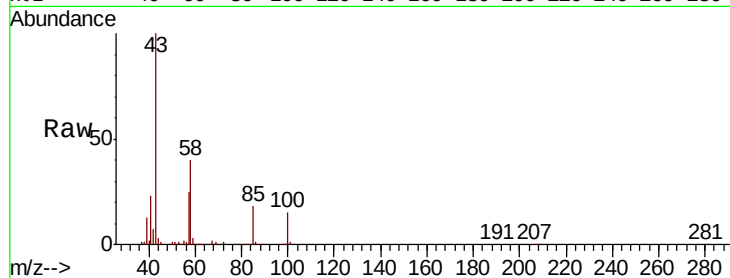
58 39.4 32.1 48.1

Manual Integrations

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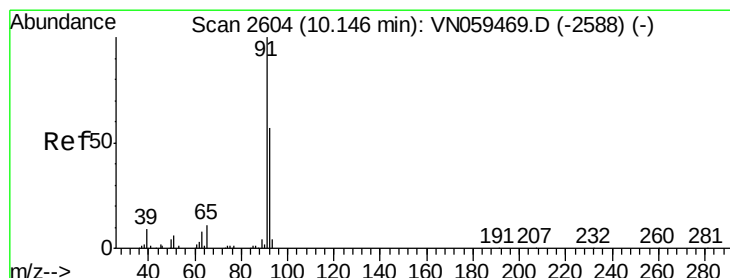
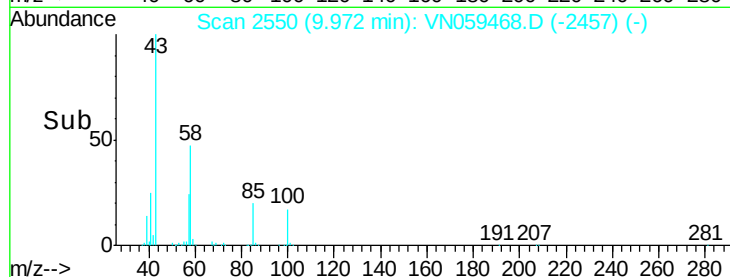
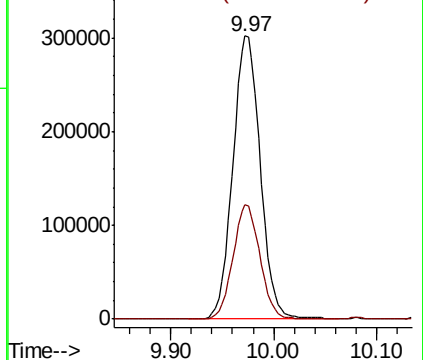
apatel

12/4/2019 9:22:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.734 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059468.D

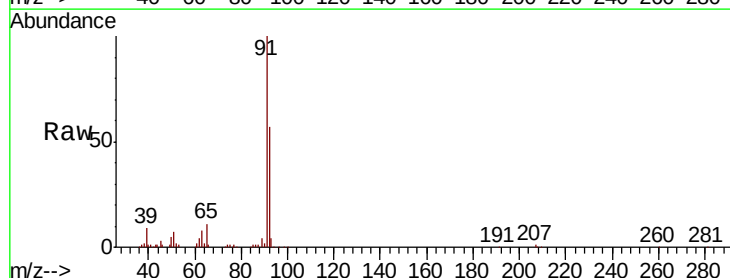
Acq: 3 Dec 2019 14:03

Tgt Ion: 92 Resp: 194936

Ion Ratio Lower Upper

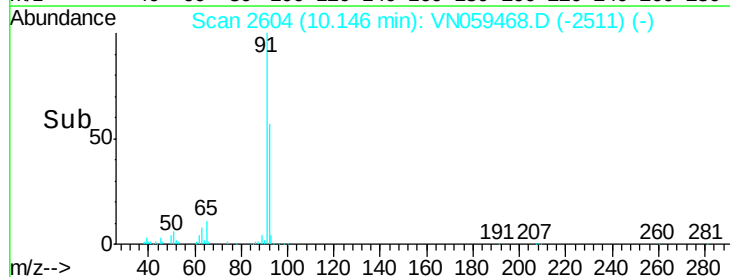
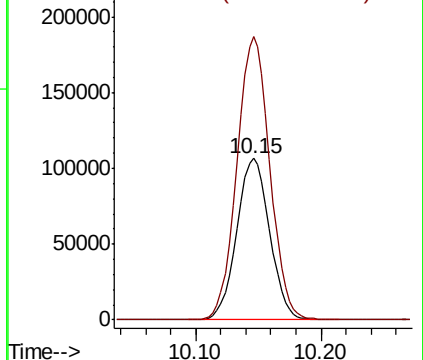
92 100

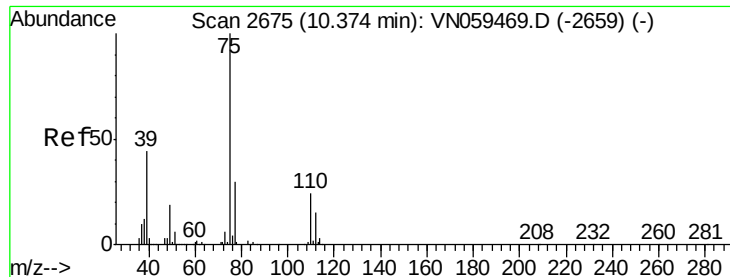
91 175.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.880 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 123531

Ion Ratio Lower Upper

75 100

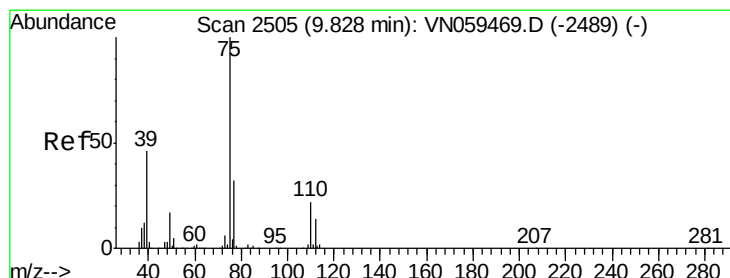
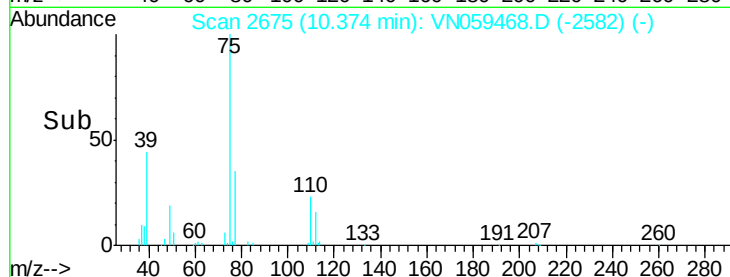
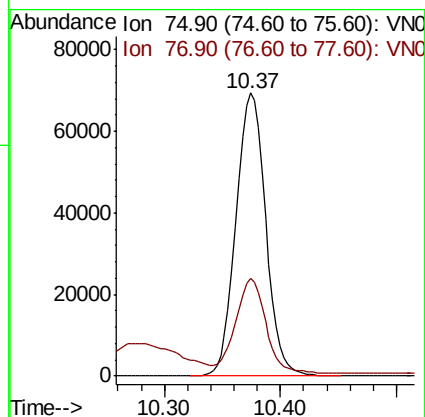
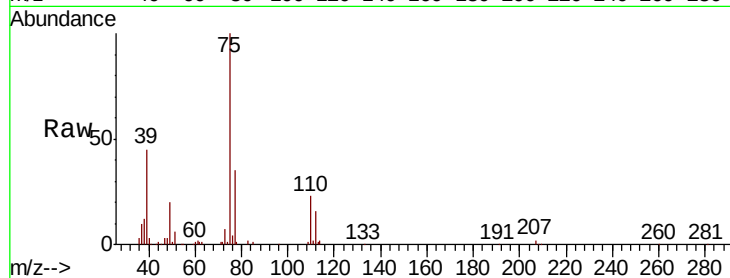
77 33.6 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.098 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

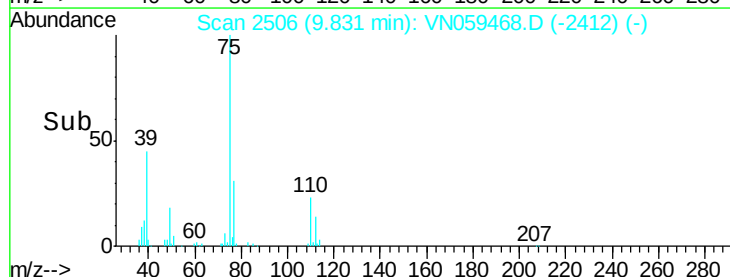
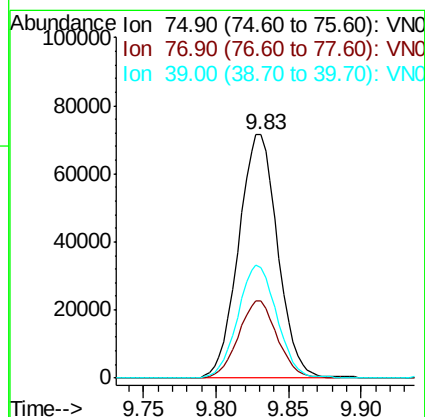
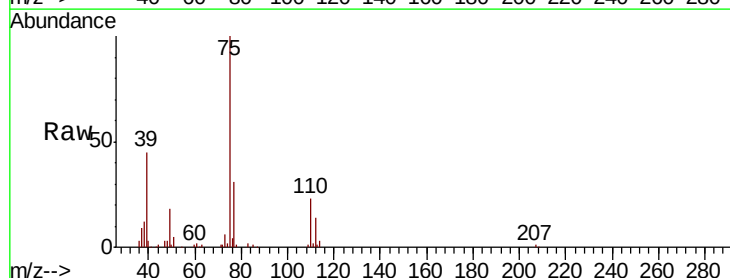
Tgt Ion: 75 Resp: 134230

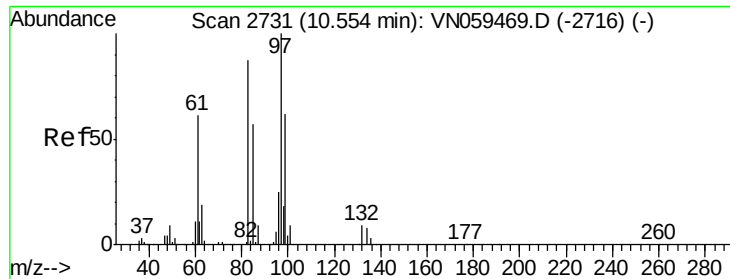
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 45.4 36.6 54.8





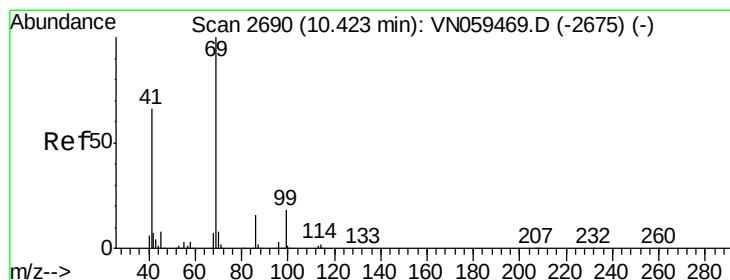
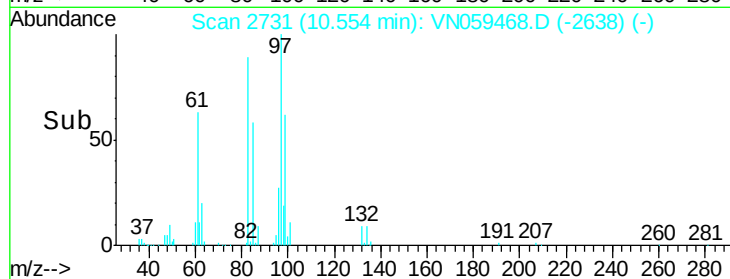
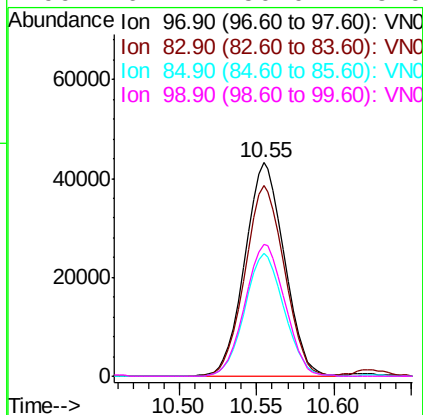
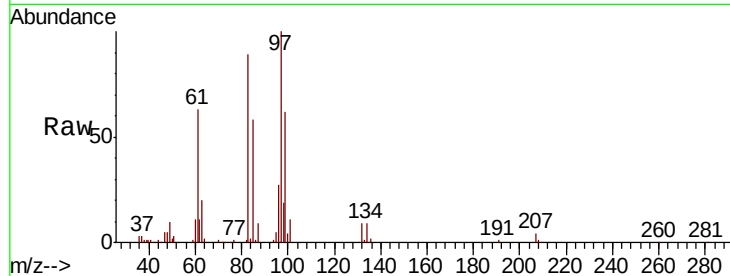
#55
 1,1,2-Trichloroethane
 Concen: 20.852 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	77050
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.8	104.8
85	57.7	45.5	68.3
99	61.7	50.0	75.0

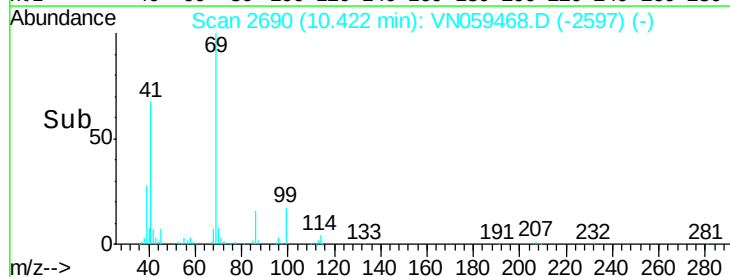
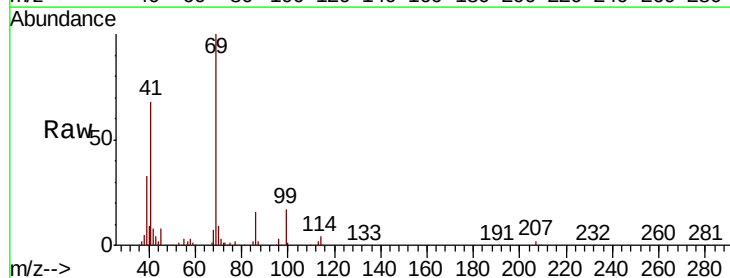
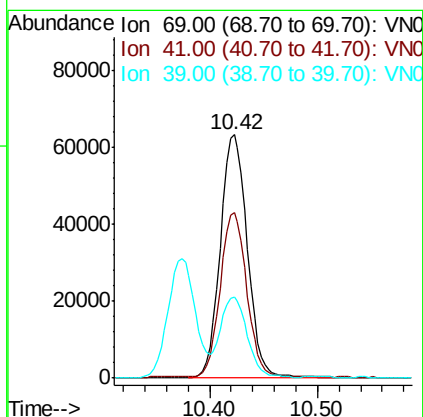
Manual Integrations
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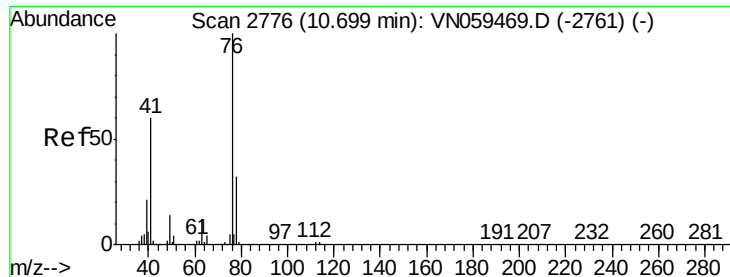
apatel
 12/4/2019 9:22:04 AM



#56
 Ethyl methacrylate
 Concen: 20.493 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion:	69	Resp:	110577
Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.7	79.1
39	33.0	25.0	37.6





#57

1,3-Dichloropropane

Concen: 20.950 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 133307

Ion Ratio Lower Upper

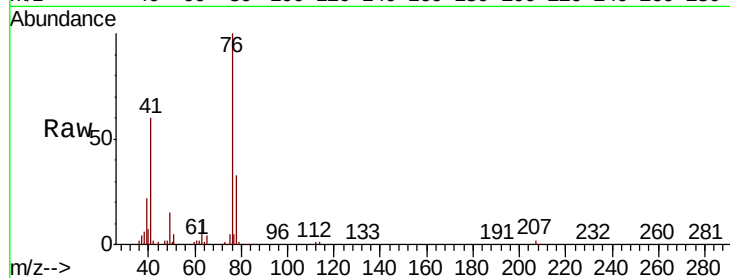
76 100

78 33.3 25.8 38.8

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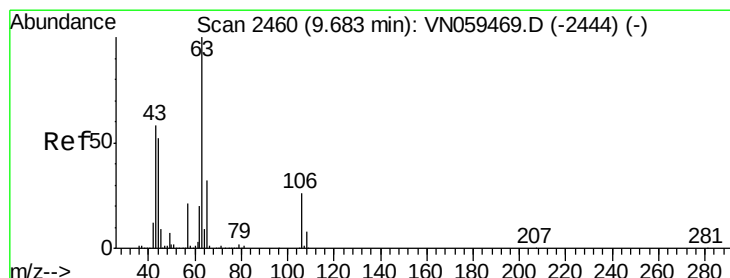
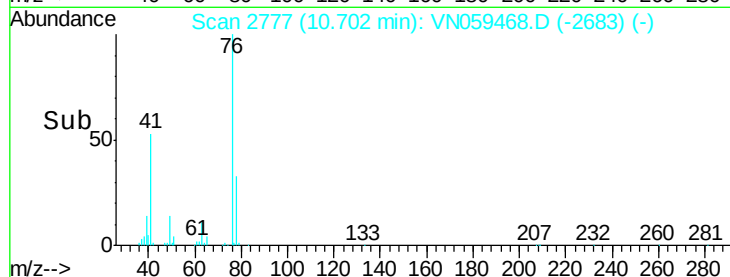
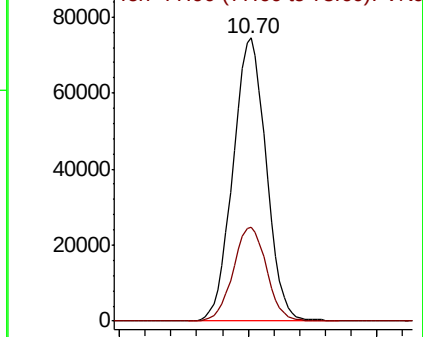
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 110.027 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059468.D

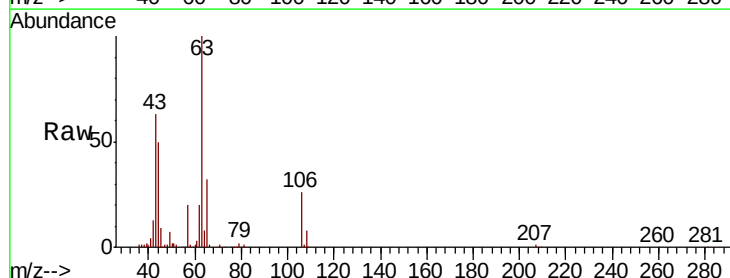
Acq: 3 Dec 2019 14:03

Tgt Ion: 63 Resp: 171171

Ion Ratio Lower Upper

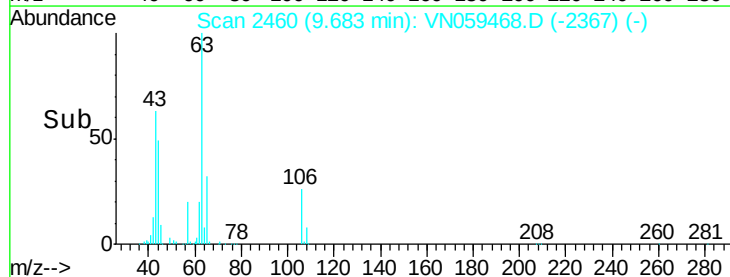
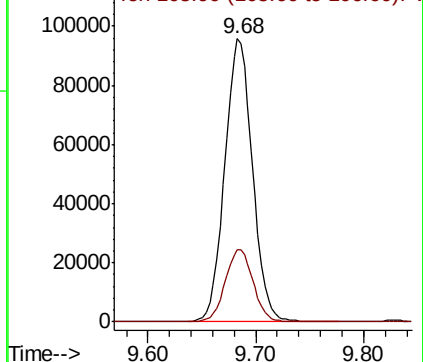
63 100

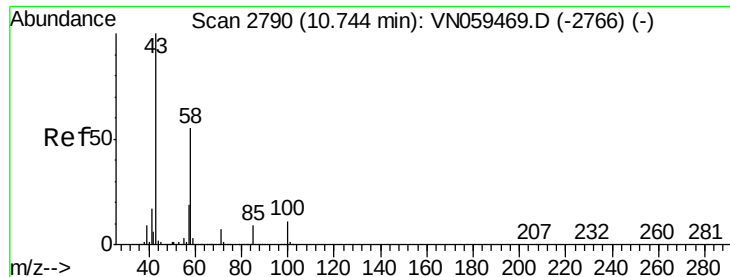
106 25.7 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





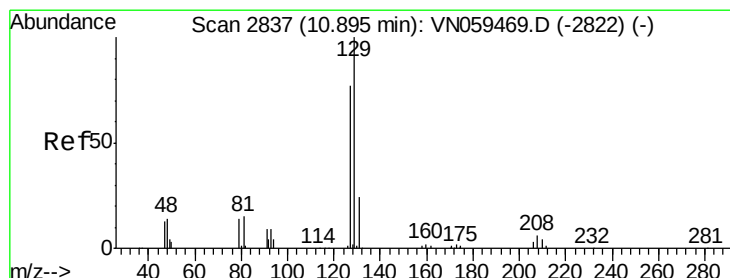
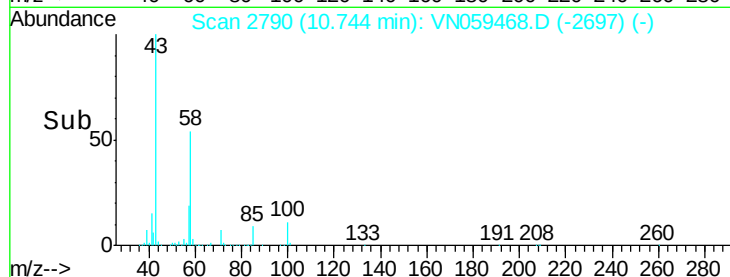
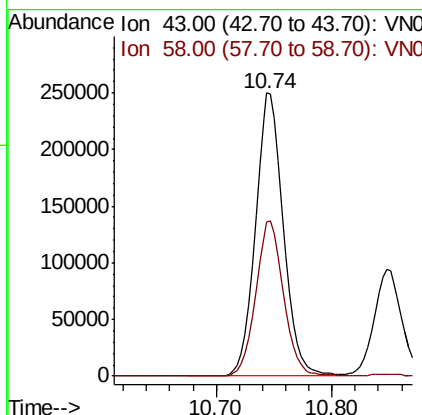
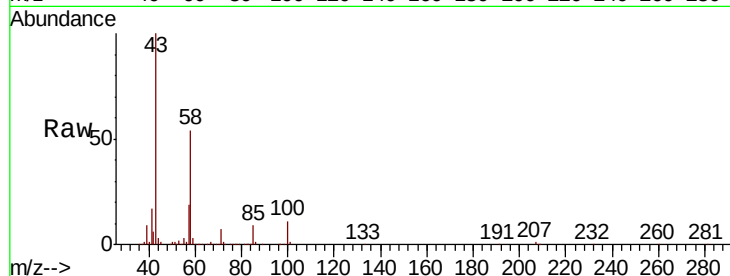
#59
2-Hexanone
Concen: 112.004 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 419389
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.0

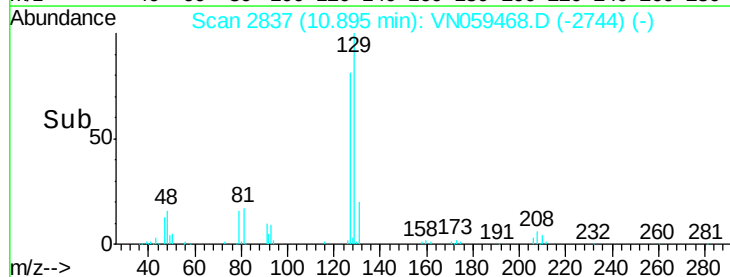
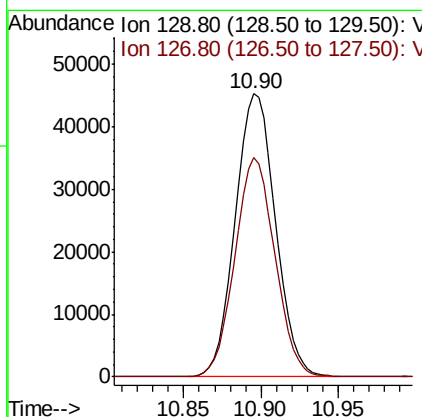
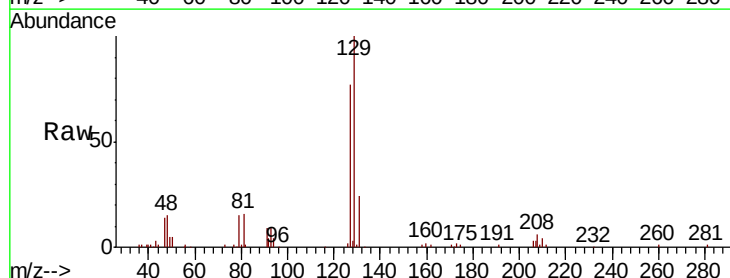
Manual Integrations
APPROVED

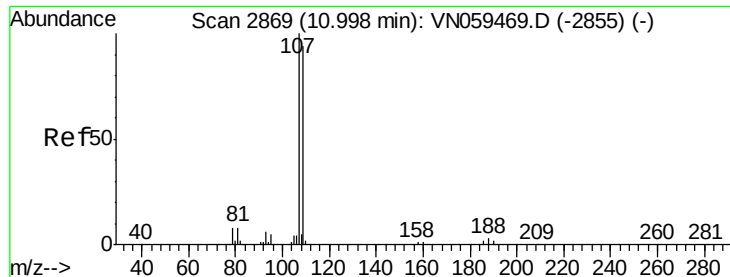
apatel
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#60
Dibromochloromethane
Concen: 21.299 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion: 129 Resp: 81834
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





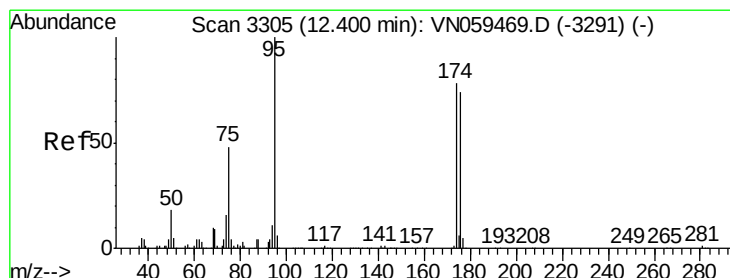
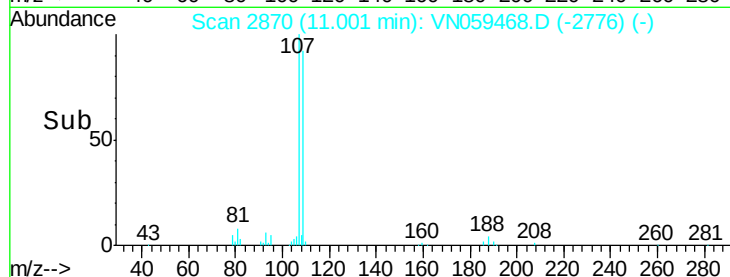
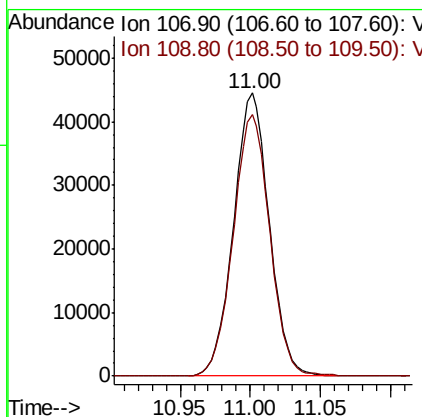
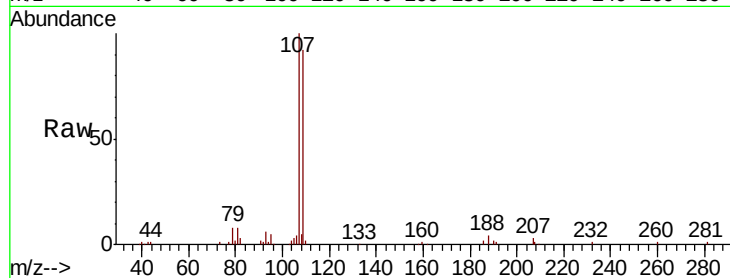
#61
 1,2-Dibromoethane
 Concen: 20.829 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 107 Resp: 78864
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0

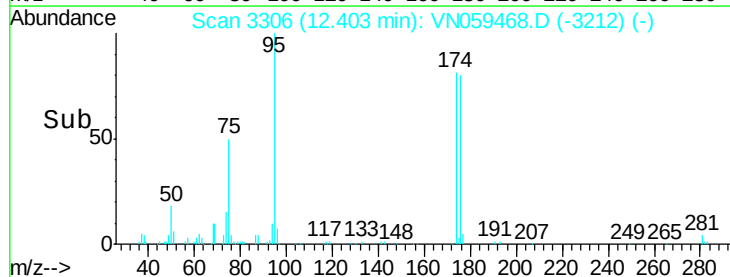
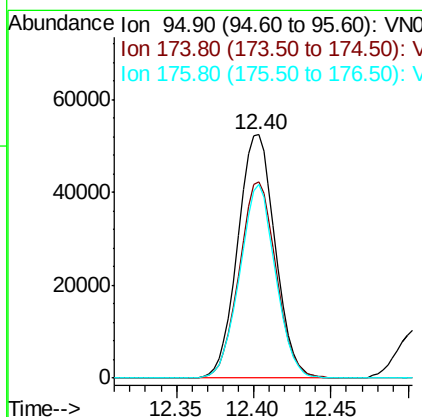
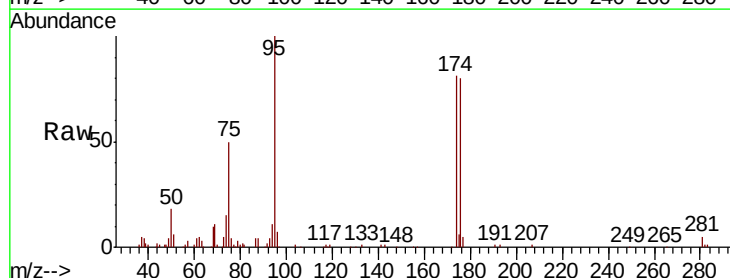
Manual Integrations
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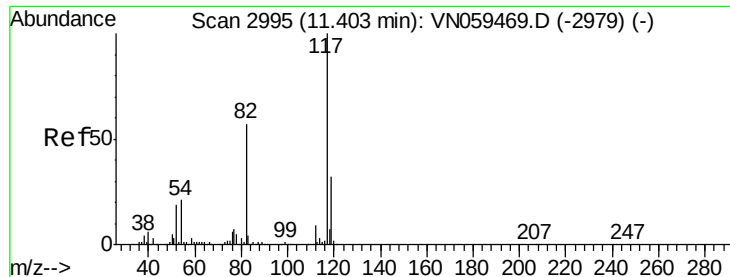
apatel
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#62
 4-Bromofluorobenzene
 Concen: 19.038 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion: 95 Resp: 88169
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 157.0
 176 76.4 0.0 152.4





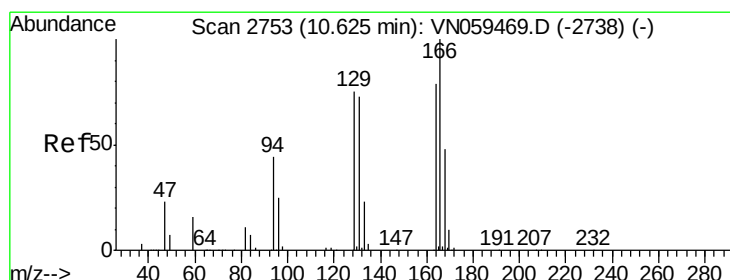
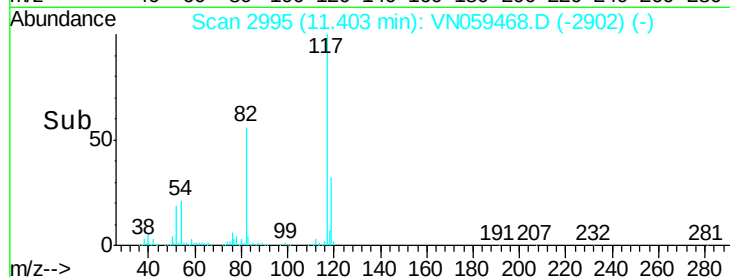
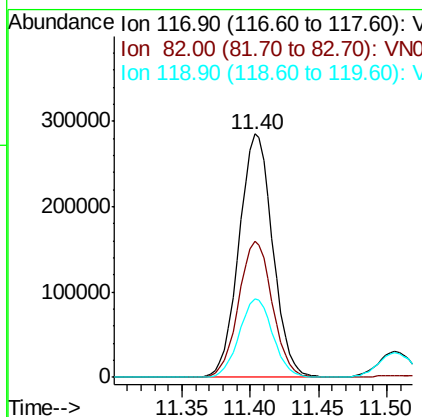
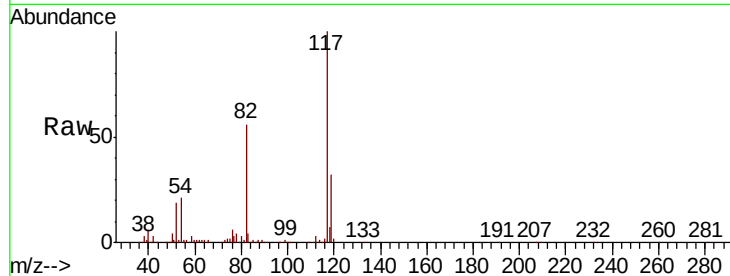
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.8	68.8
119	32.3	25.4	38.0

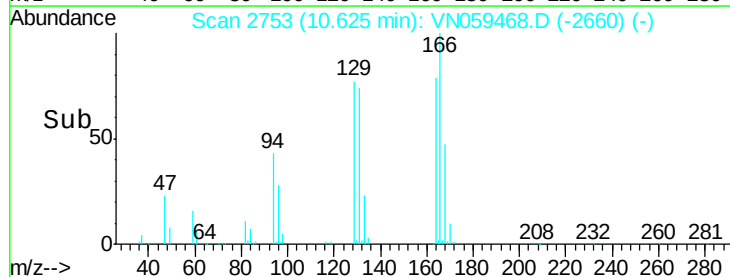
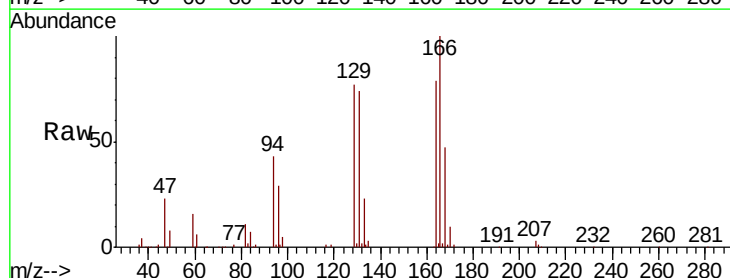
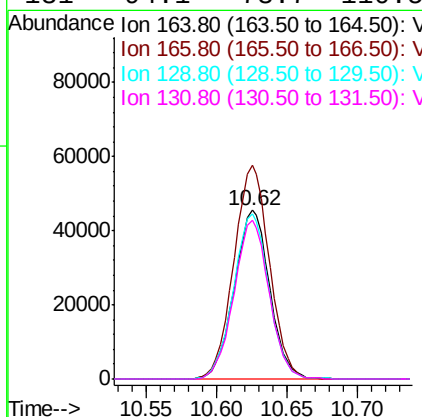
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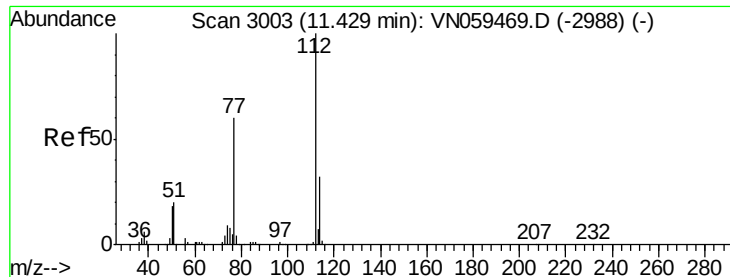
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#64
Tetrachloroethene
Concen: 21.844 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.2	151.8
129	97.6	76.1	114.1
131	94.1	73.7	110.5





#65

Chlorobenzene

Concen: 20.509 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 205205

Ion Ratio Lower Upper

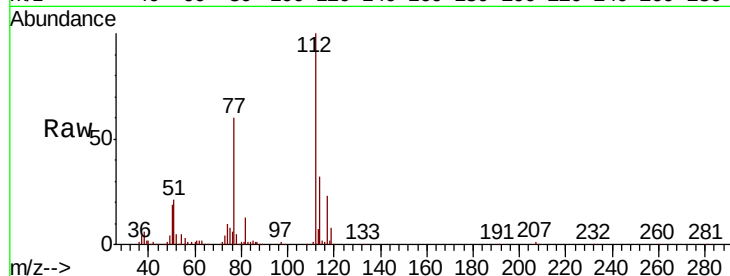
112 100

114 31.8 25.7 38.5

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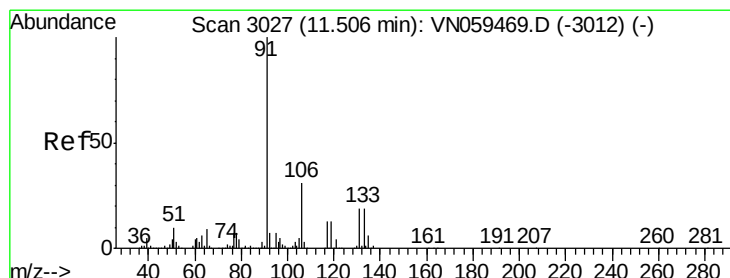
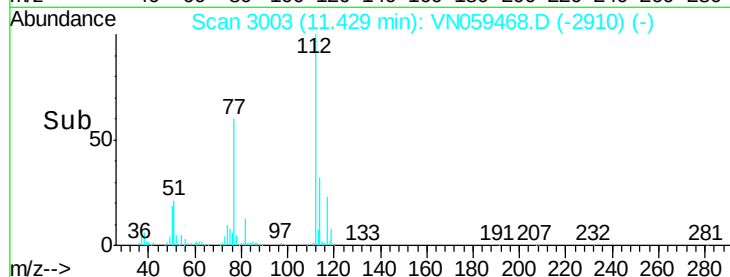
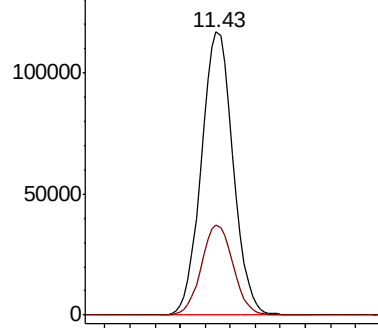
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.809 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

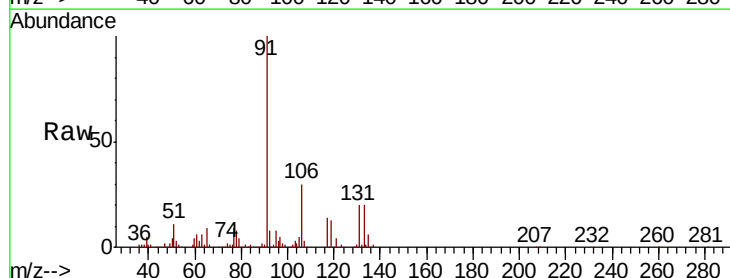
Tgt Ion:131 Resp: 75595

Ion Ratio Lower Upper

131 100

133 97.9 48.0 144.0

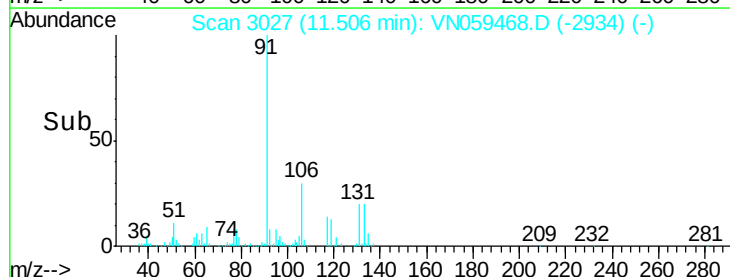
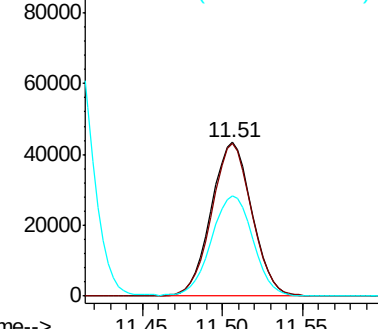
119 67.1 33.9 101.6

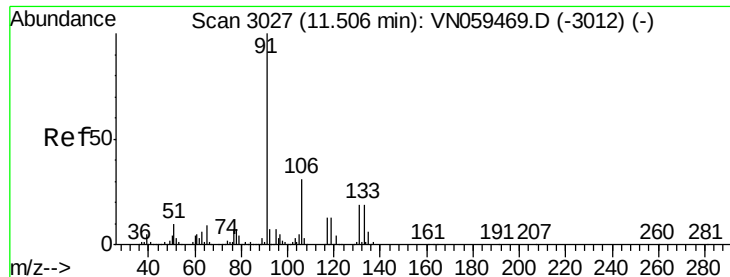


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.745 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 365551

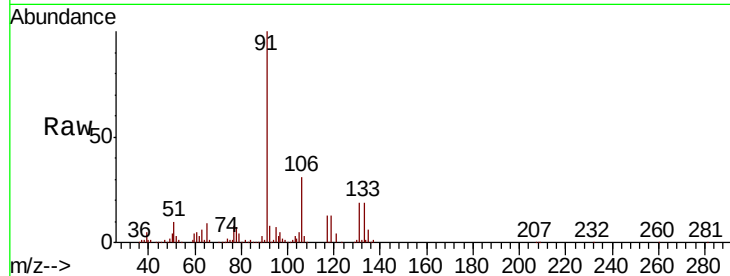
Ion Ratio Lower Upper

91 100

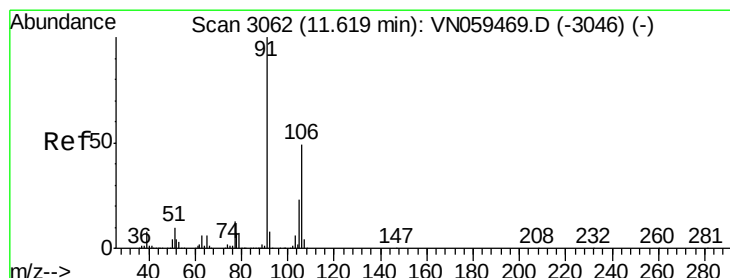
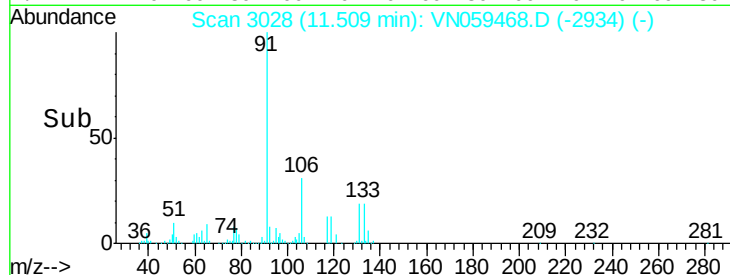
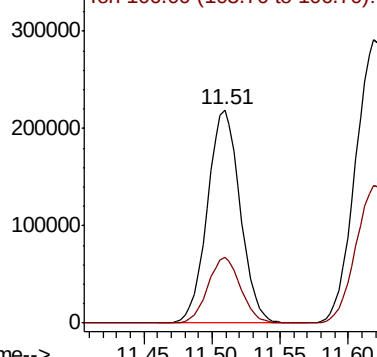
106 30.6 24.7 37.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3012) (-)



#68

m/p-Xylenes

Concen: 41.317 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059468.D

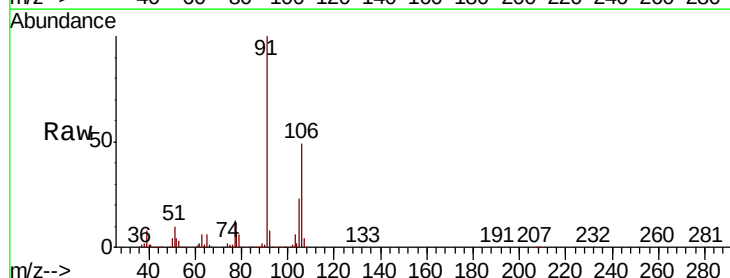
Acq: 3 Dec 2019 14:03

Tgt Ion: 106 Resp: 272471

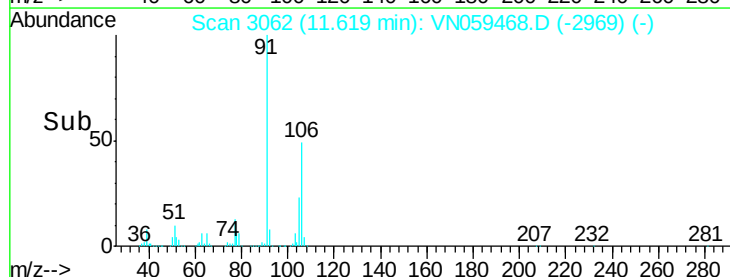
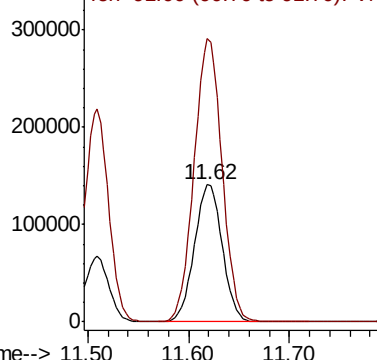
Ion Ratio Lower Upper

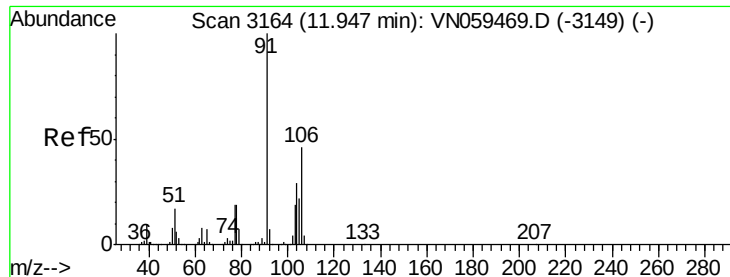
106 100

91 206.0 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059469.D (-3046) (-)





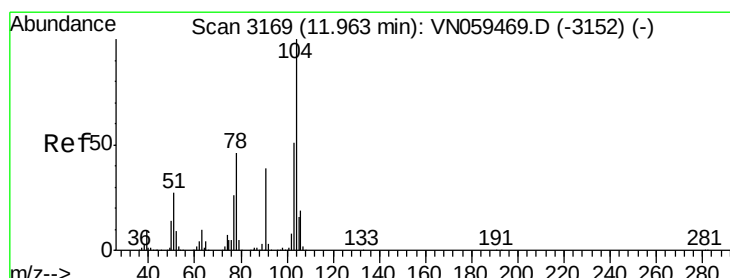
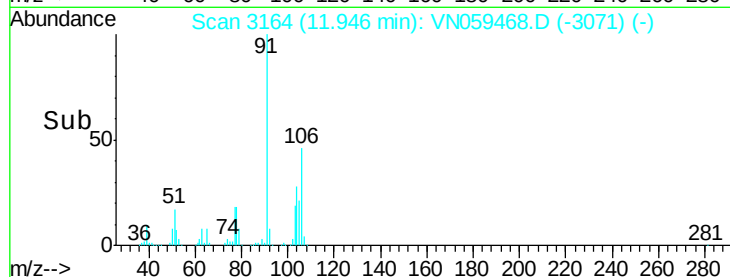
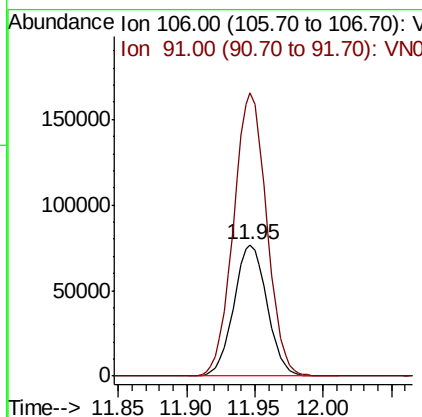
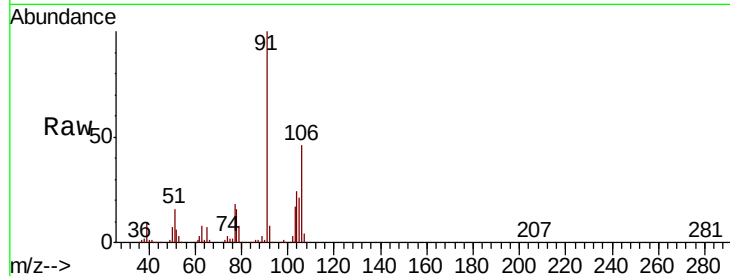
#69
o-Xylene
Concen: 20.529 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	108.5	325.3

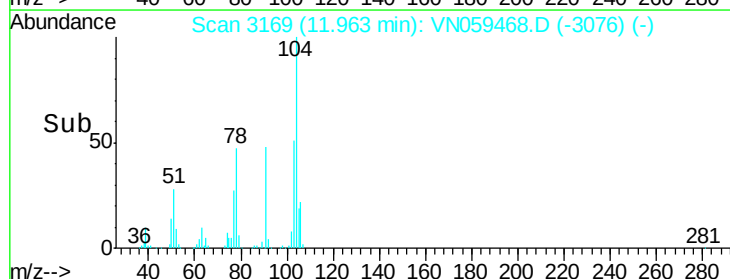
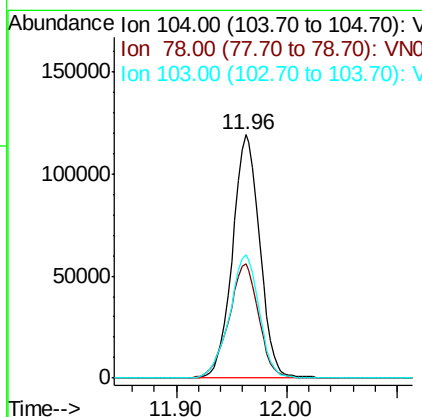
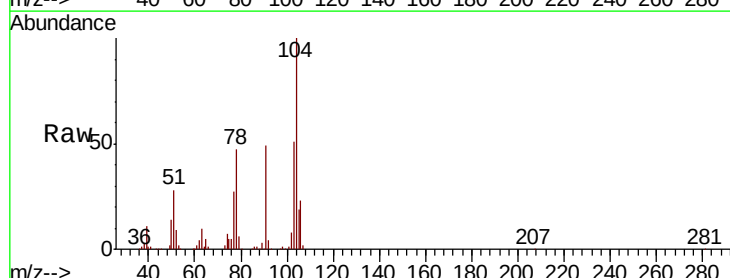
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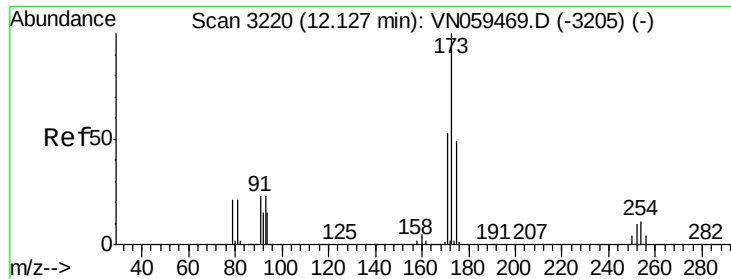
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#70
Styrene
Concen: 20.734 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.0	61.4
103	55.0	44.7	67.1





#71

Bromoform

Concen: 20.820 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

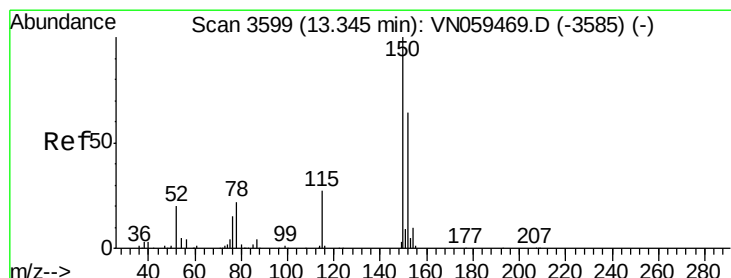
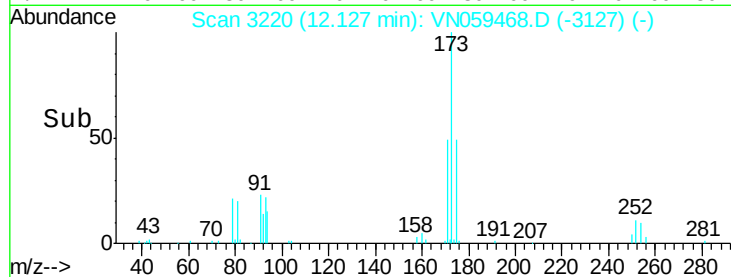
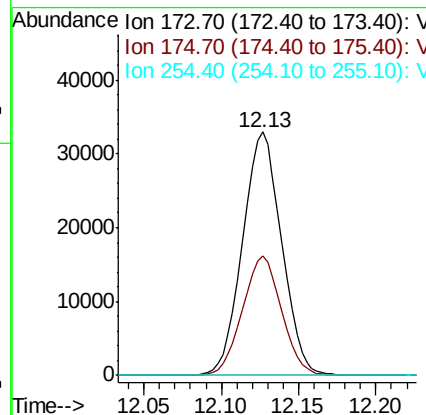
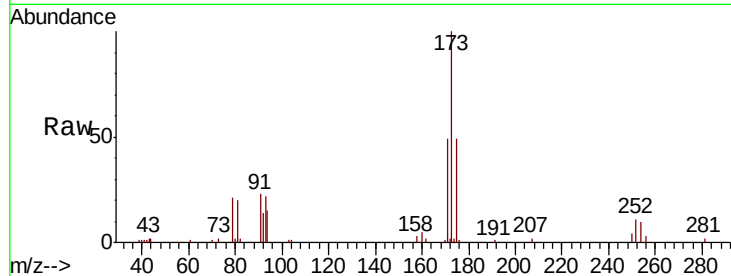
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	57880
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.3	73.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

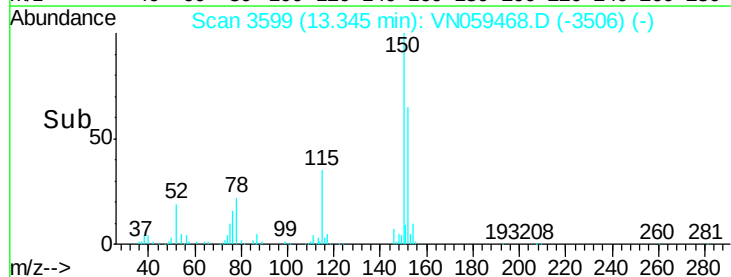
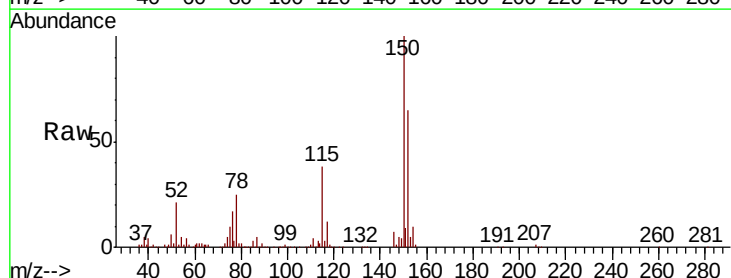
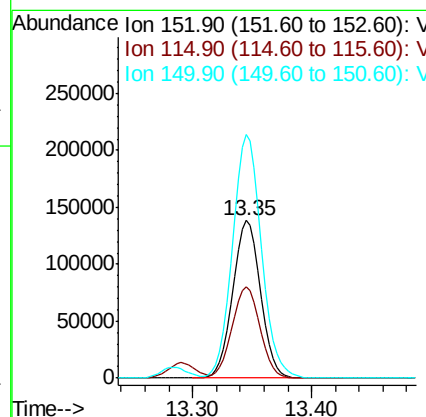
RT: 13.35 min Scan# 3599

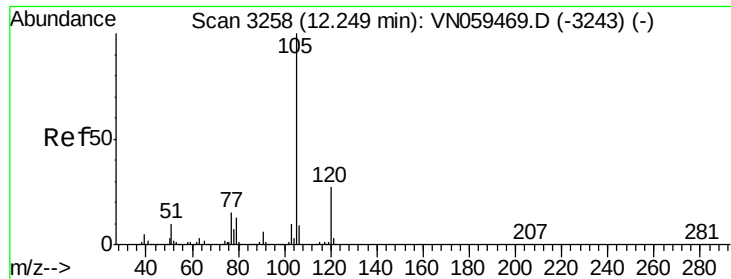
Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	152	Resp:	223945
Ion Ratio	Lower	Upper	
152	100		
115	58.7	29.2	87.6
150	160.2	0.0	352.8





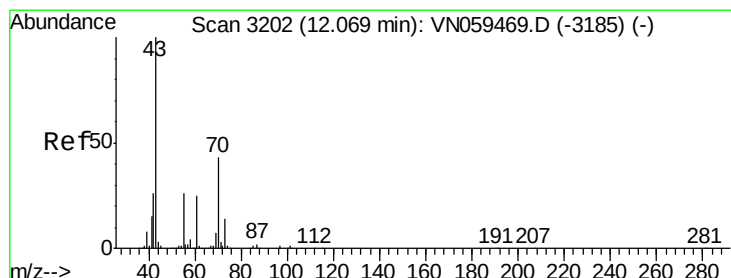
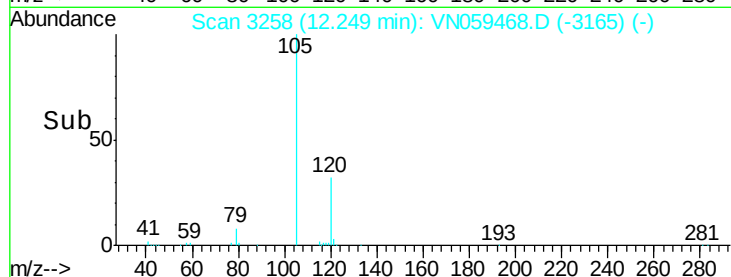
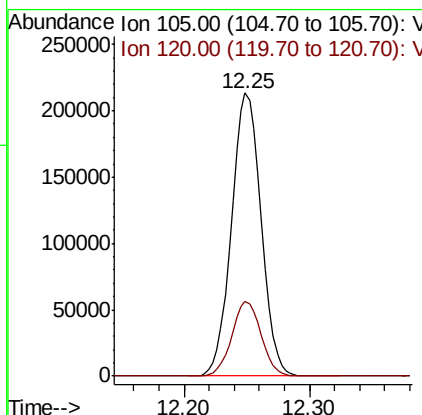
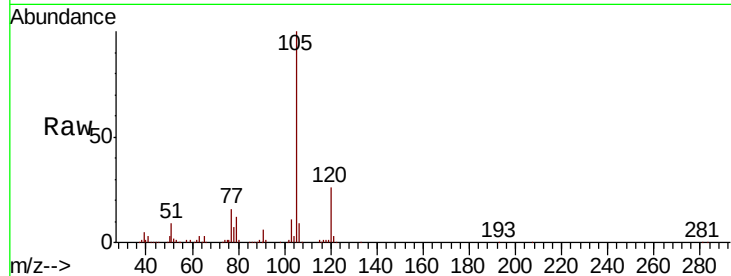
#73
Isopropylbenzene
Concen: 20.778 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

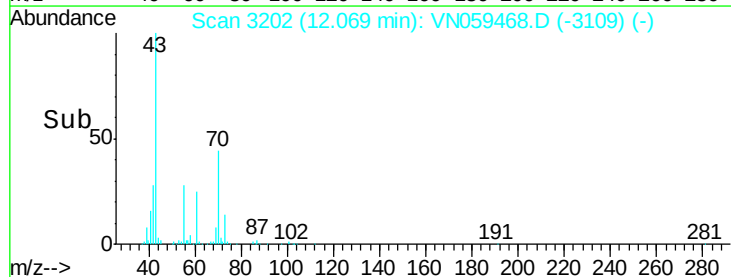
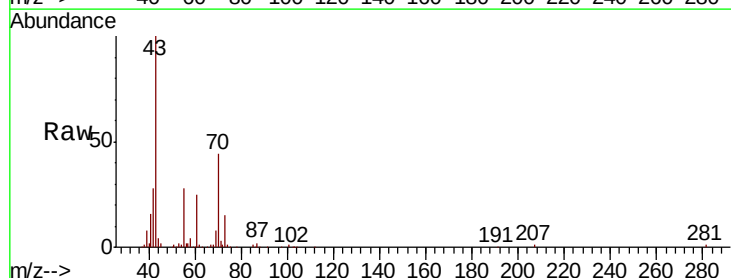
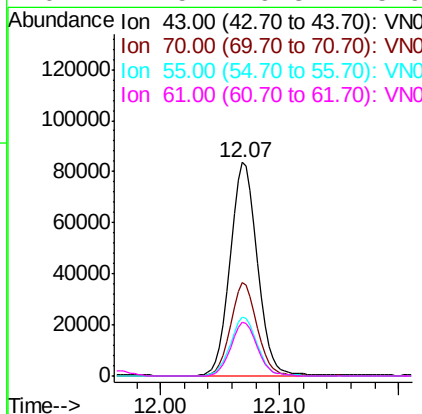
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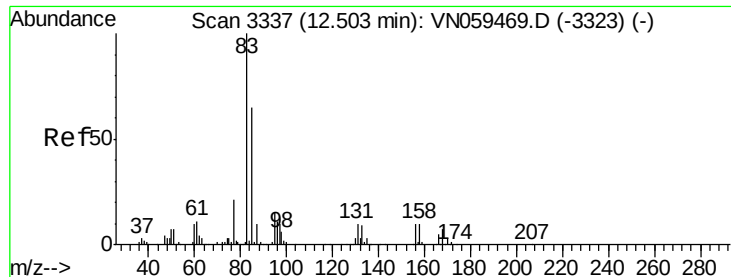
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#74
N-ethyl acetate
Concen: 20.809 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	27.3	20.6	31.0
61	24.5	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.337 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

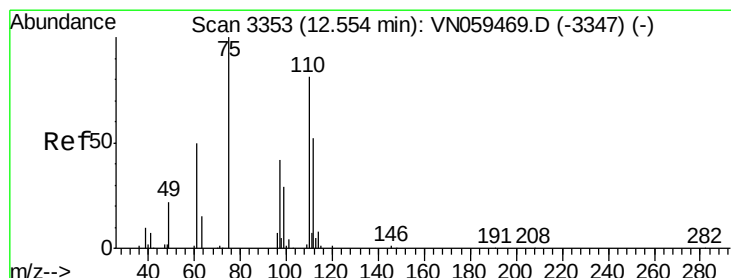
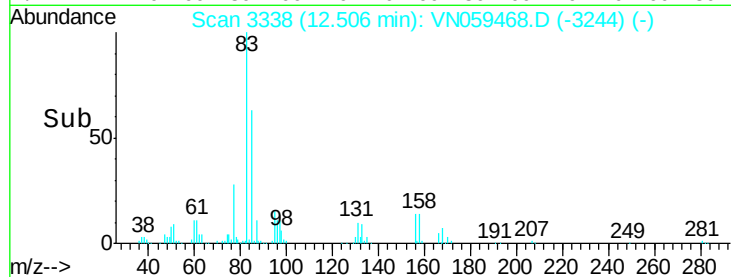
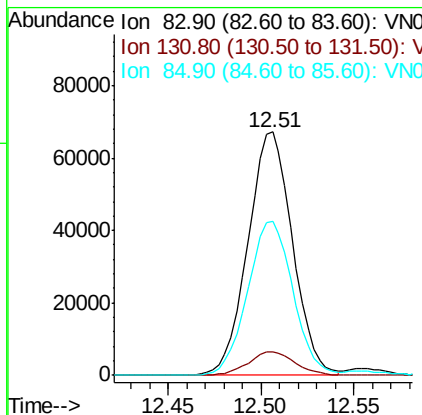
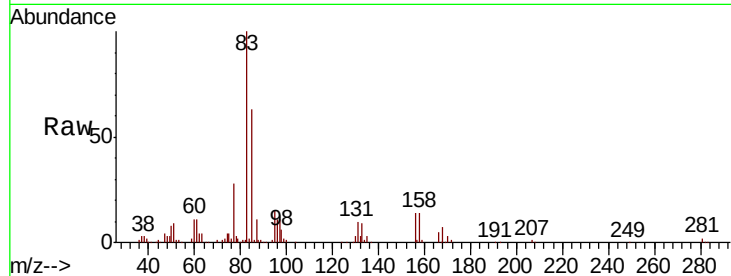
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	112118
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	64.5	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 20.239 ug/l m

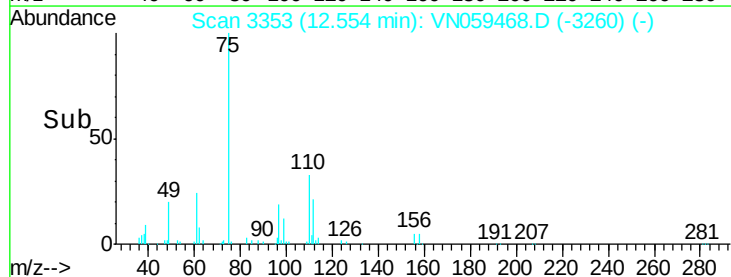
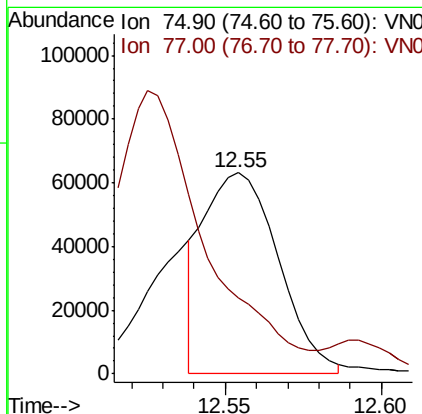
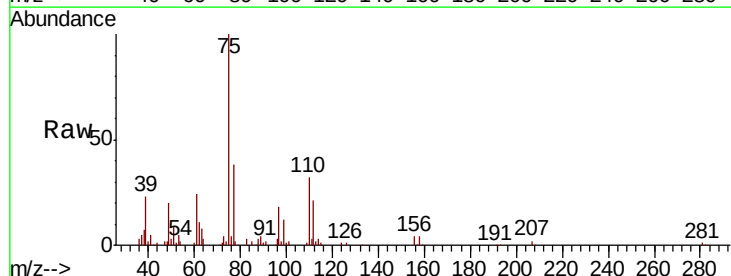
RT: 12.55 min Scan# 3353

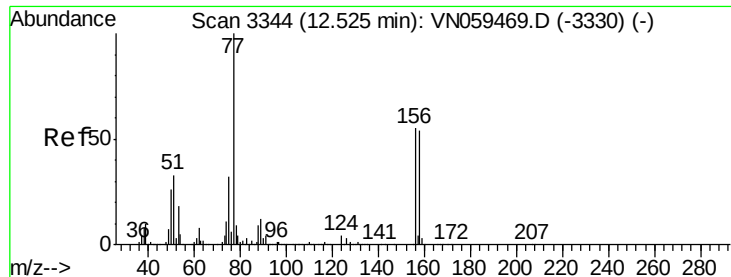
Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	75	Resp:	105328
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.650 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

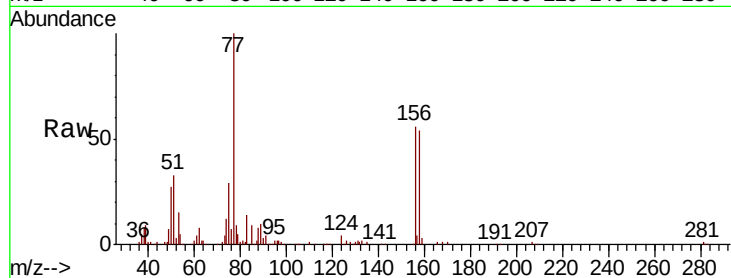
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	220.0	110.3	331.0	
158	96.4	48.5	145.5	

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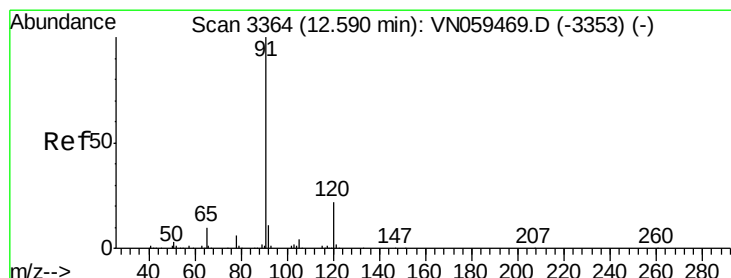
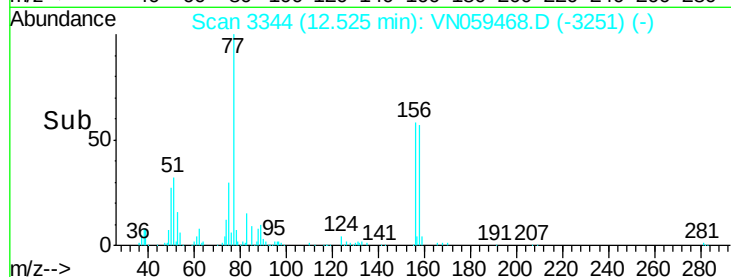
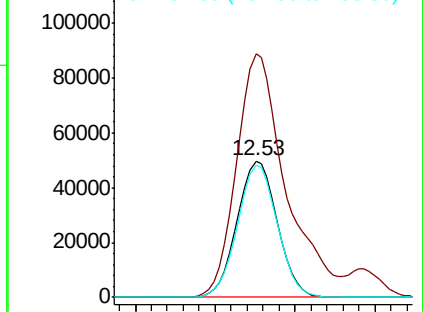


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.816 ug/l

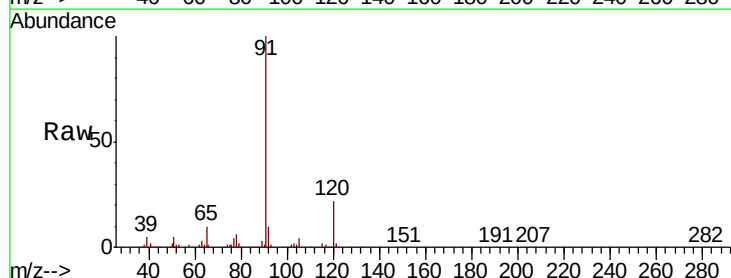
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

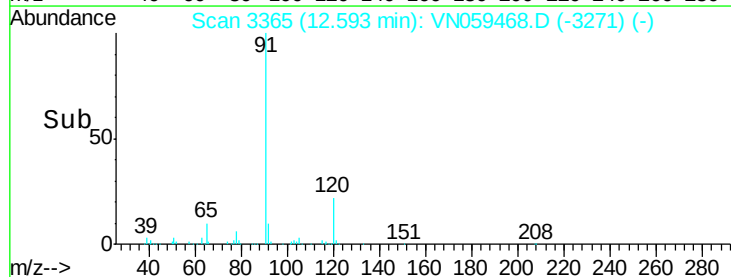
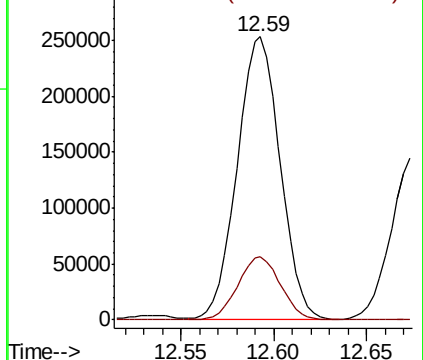
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.3	33.9	

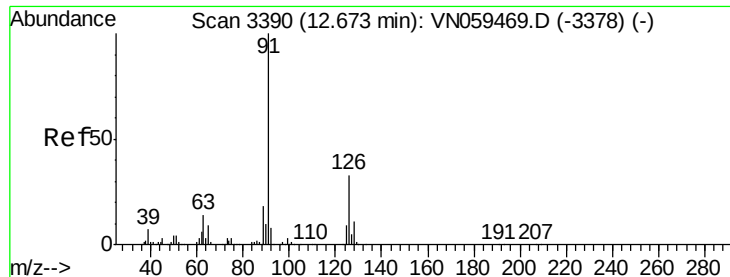


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.786 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 240916

Ion Ratio Lower Upper

91 100

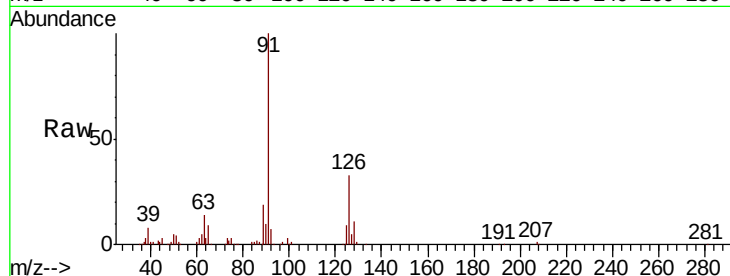
126 33.3 16.6 49.8

Manual Integrations

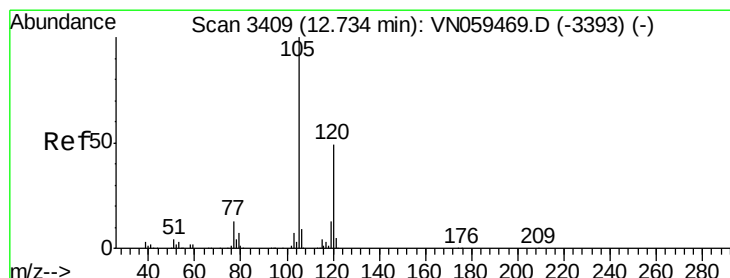
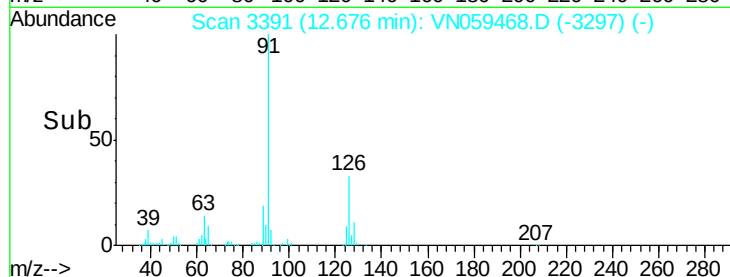
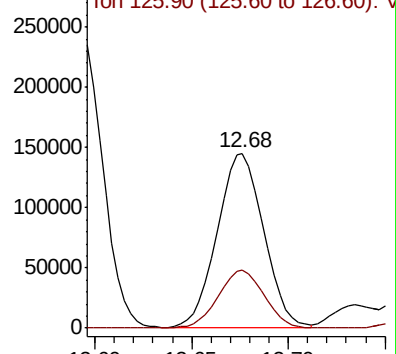
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Abundance Ion 91.00 (90.70 to 91.70): VN059468.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.714 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059468.D

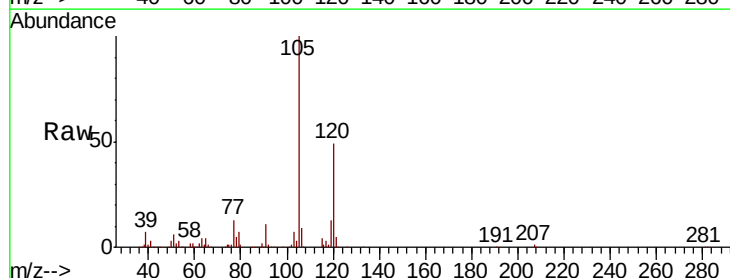
Acq: 3 Dec 2019 14:03

Tgt Ion: 105 Resp: 292501

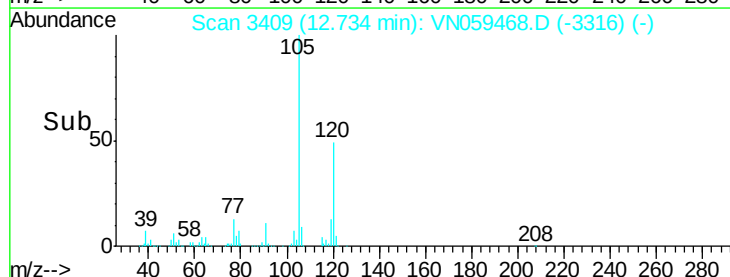
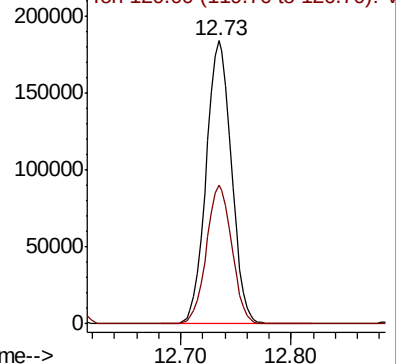
Ion Ratio Lower Upper

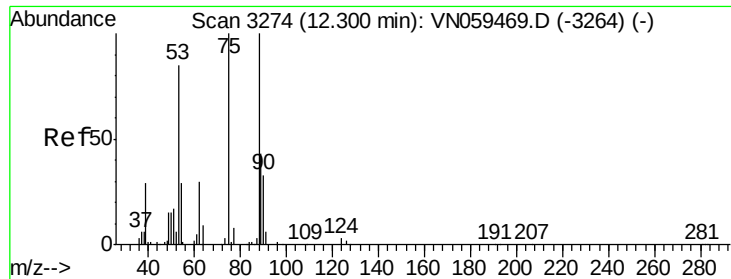
105 100

120 49.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059468.D (-3409) (-)





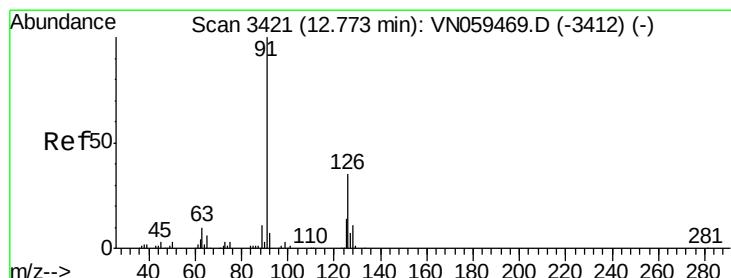
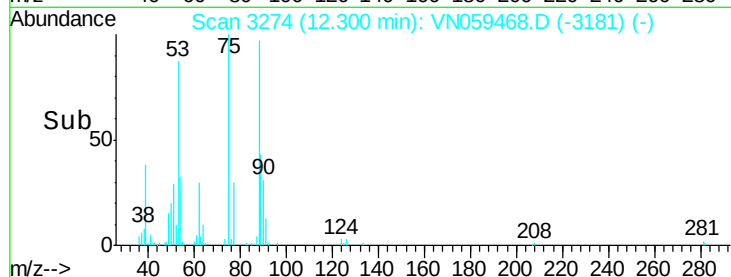
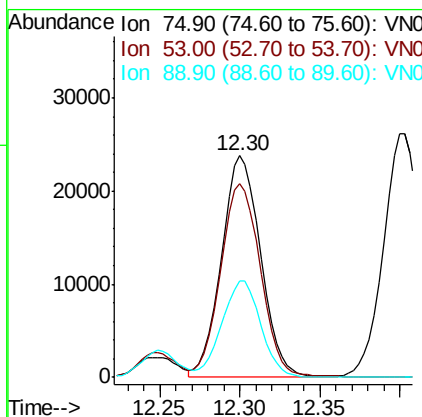
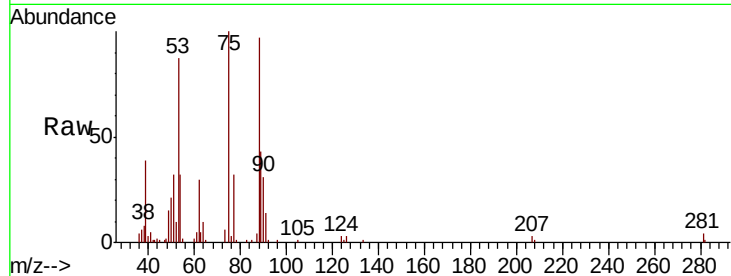
#81
trans-1,4-Dichloro-2-butene
Concen: 19.820 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.4	69.8	104.6
89	42.9	35.2	52.8

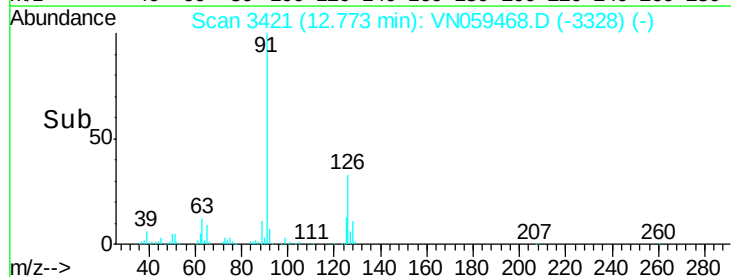
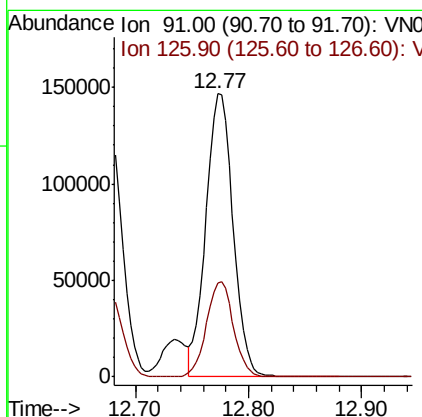
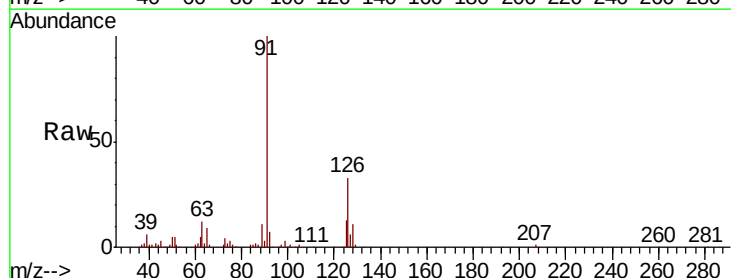
Manual Integrations
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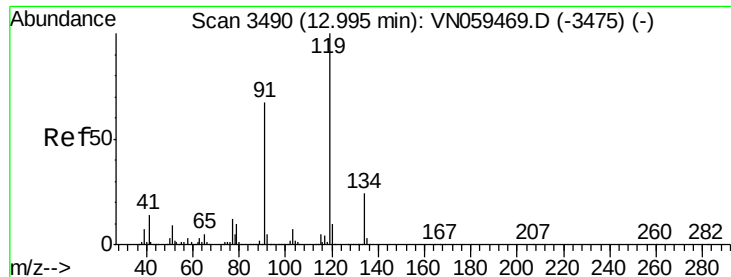
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#82
4-Chlorotoluene
Concen: 20.358 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.2





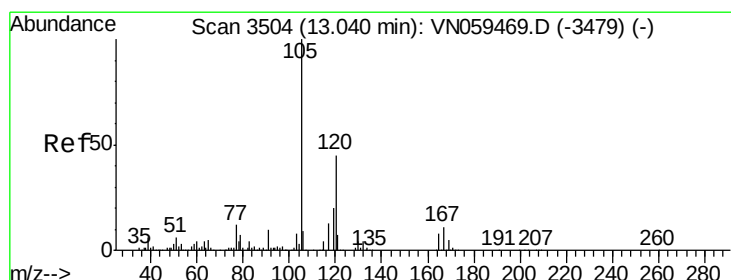
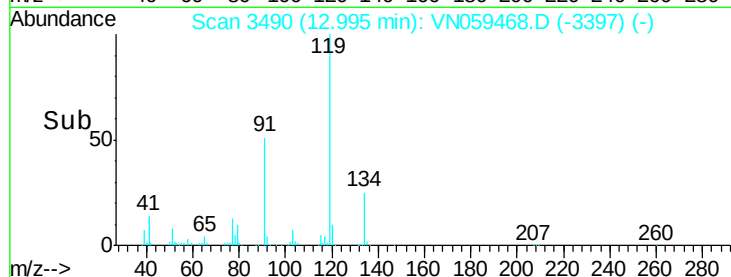
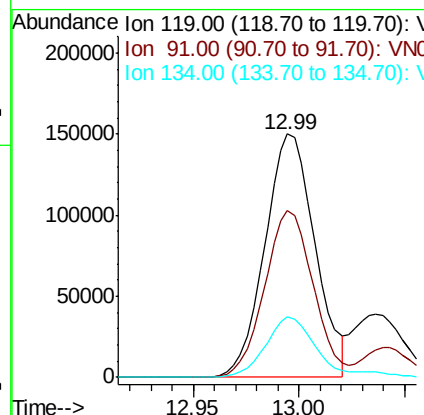
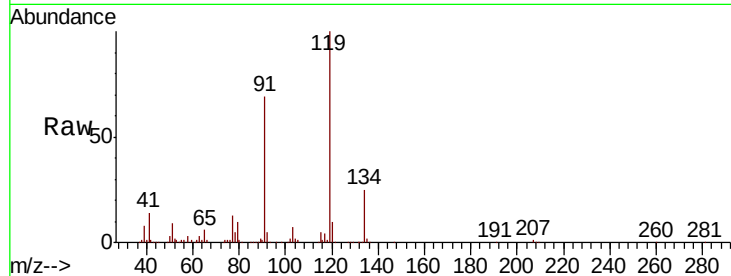
#83
 tert-Butylbenzene
 Concen: 20.366 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	247656		
91	66.7		32.6	97.7
134	24.2		12.6	37.6

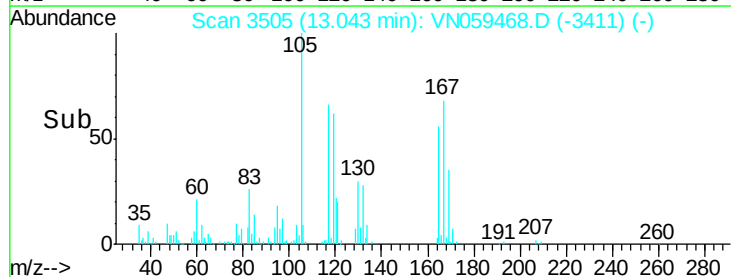
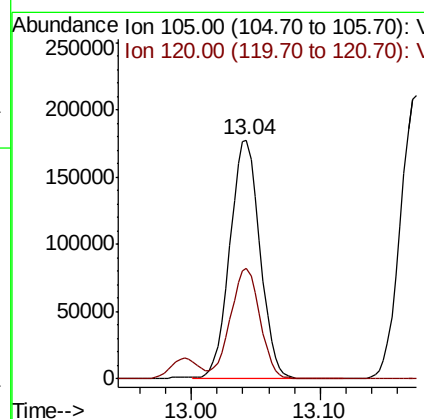
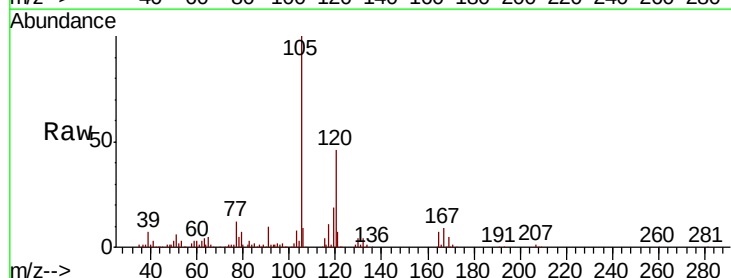
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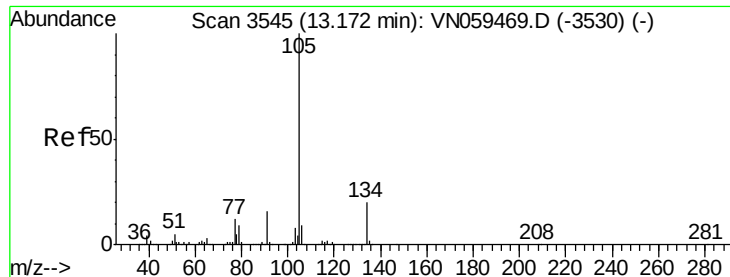
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.612 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285240		
120	45.8		22.6	67.8





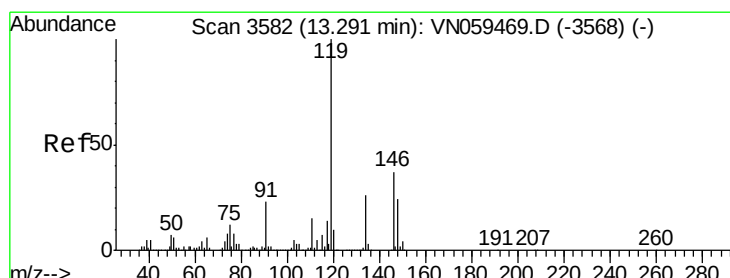
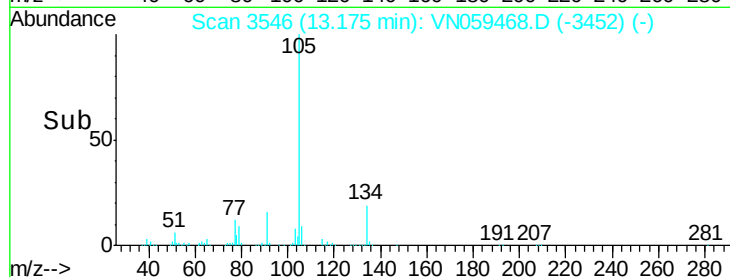
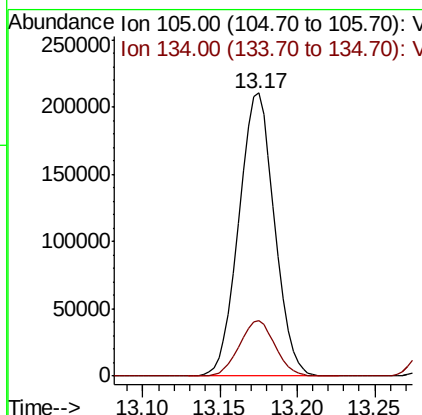
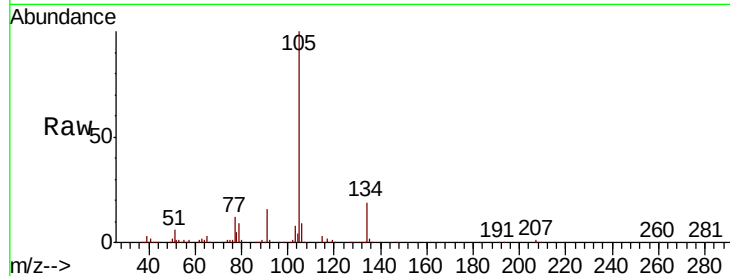
#85
 sec-Butylbenzene
 Concen: 20.805 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	335518		
134	19.6	9.8	29.5	

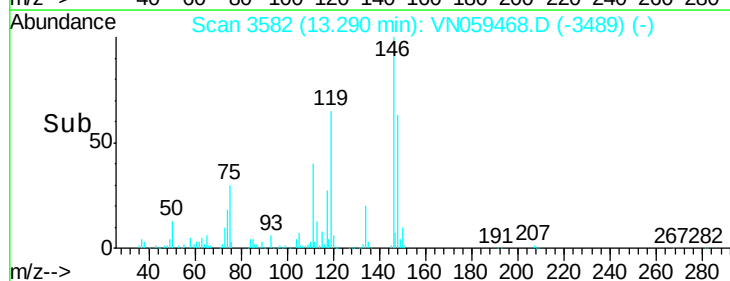
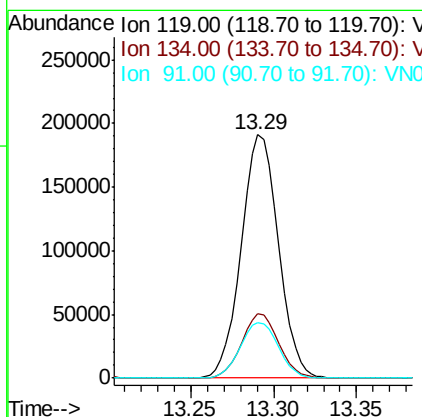
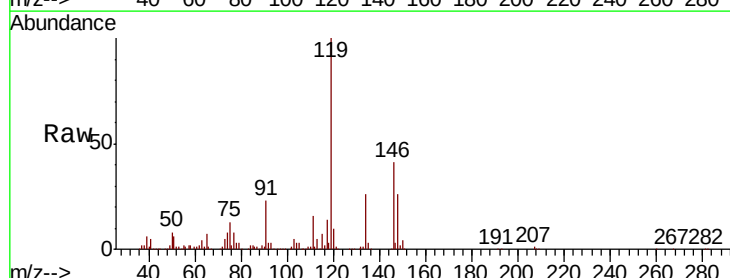
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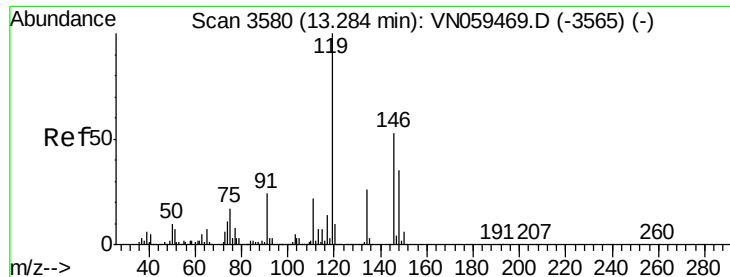
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#86
 p-Isopropyltoluene
 Concen: 20.414 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	297366		
134	26.3	13.1	39.3	
91	23.7	11.7	35.1	





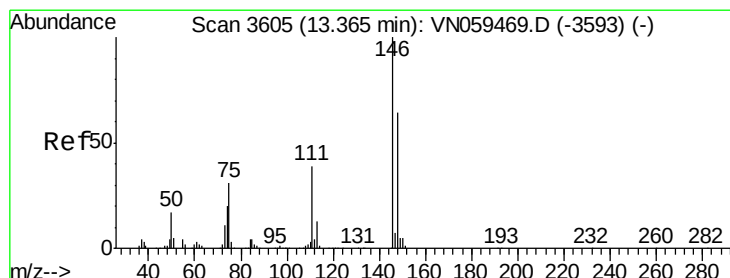
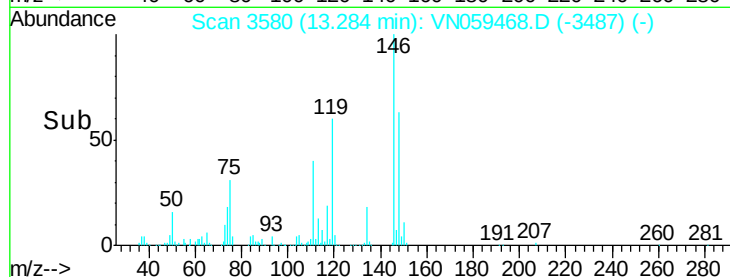
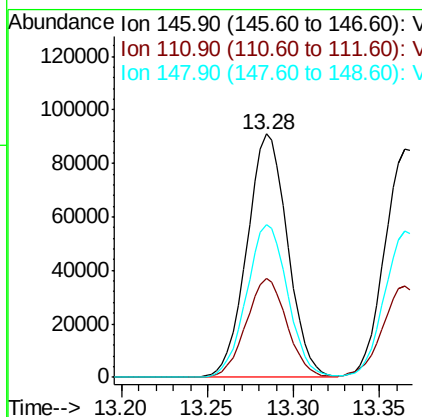
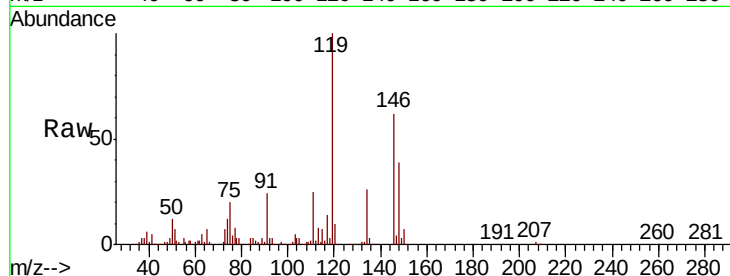
#87
 1,3-Dichlorobenzene
 Concen: 20.492 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	63.5	32.1	96.5

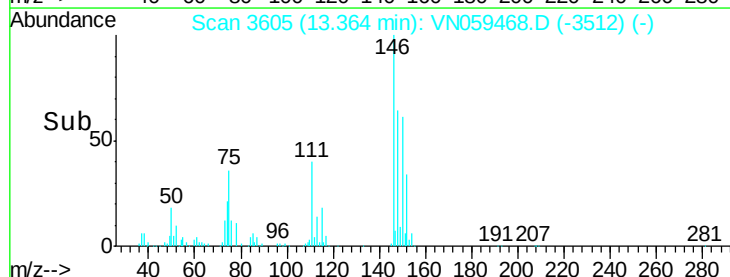
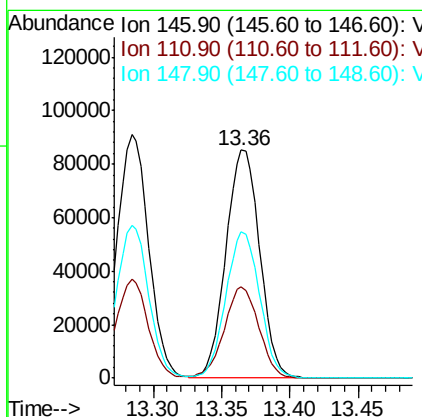
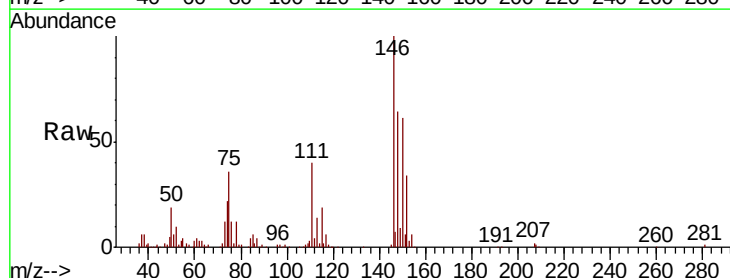
Manual Integrations
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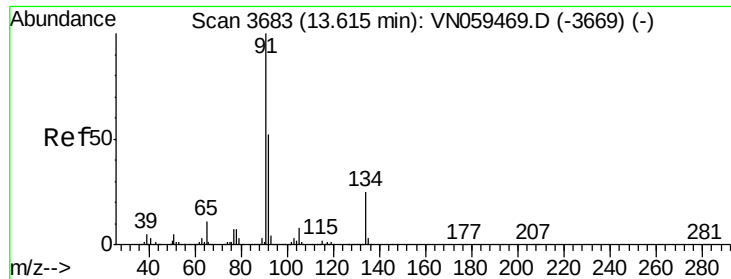
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.149 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.3
148	64.1	32.0	96.0





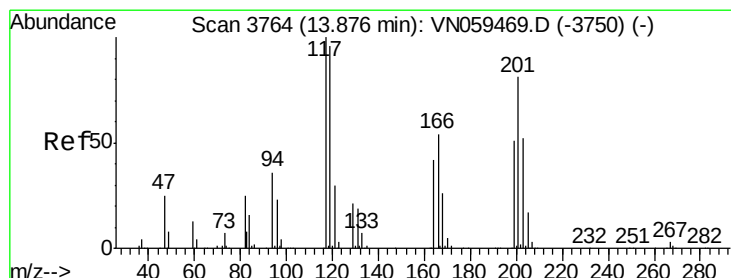
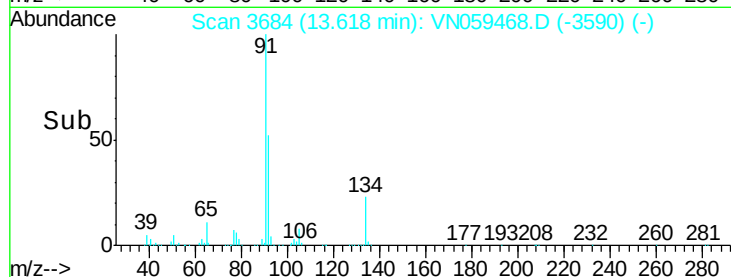
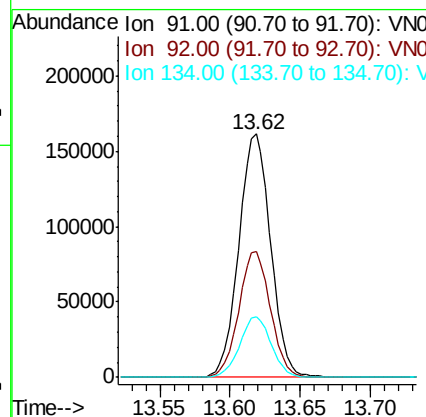
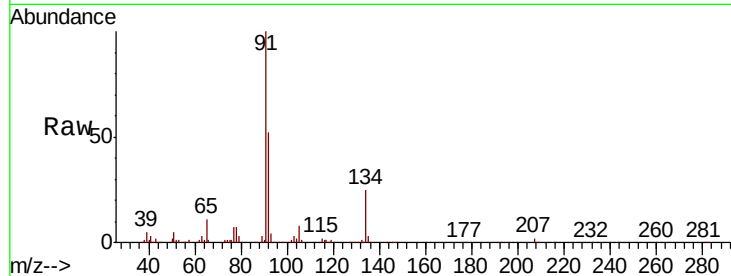
#89
n-Butylbenzene
Concen: 20.077 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.8
134	24.7	12.6	37.6

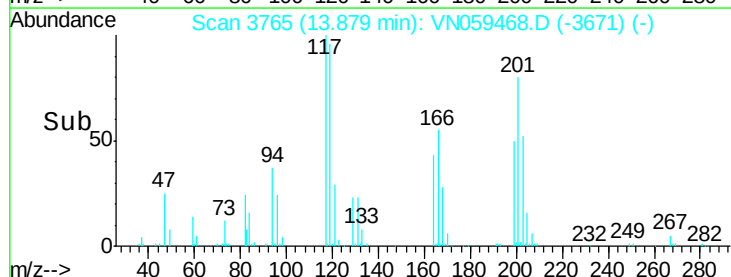
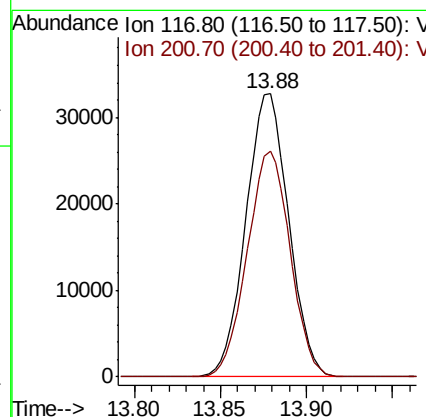
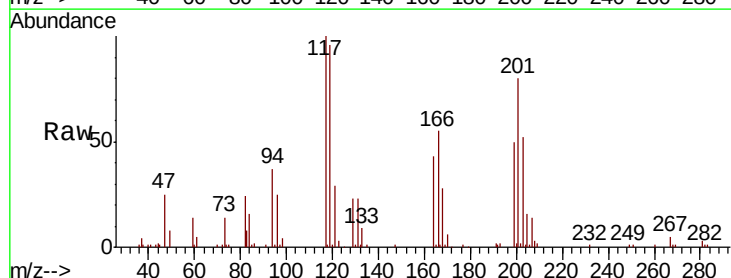
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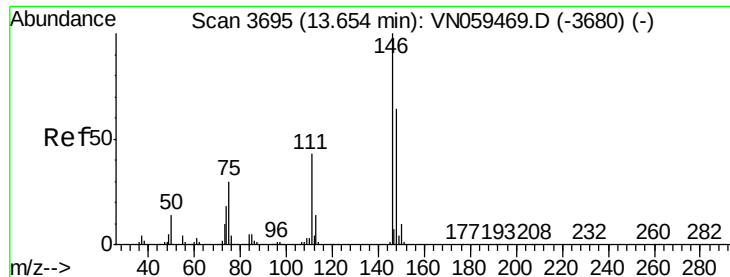
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#90
Hexachloroethane
Concen: 20.223 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 20.371 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Instrument :

MSVOA_N

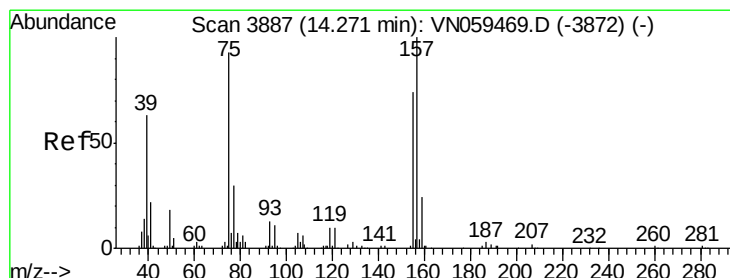
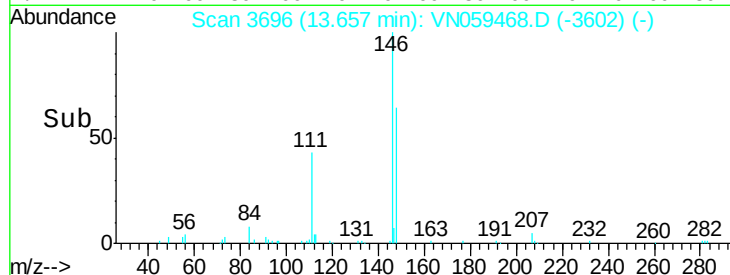
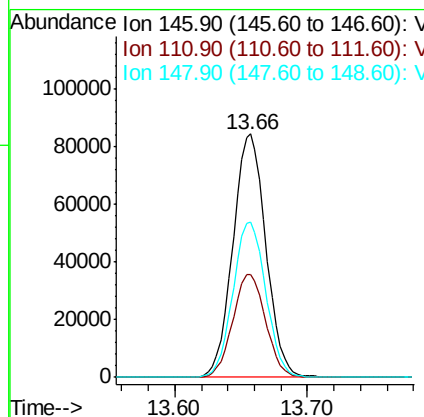
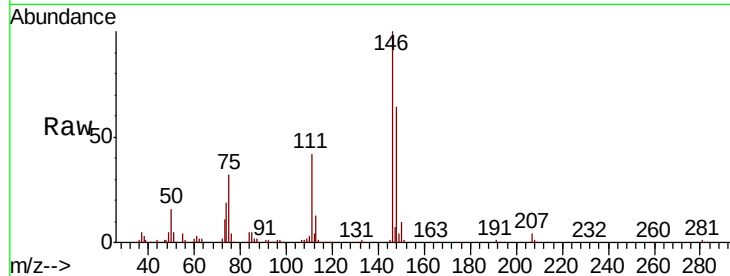
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	145345
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.3	63.7
148	63.7	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.124 ug/l

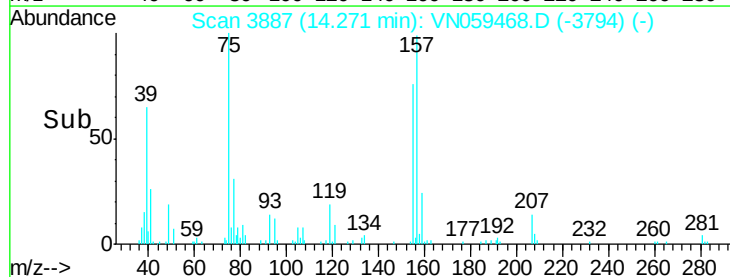
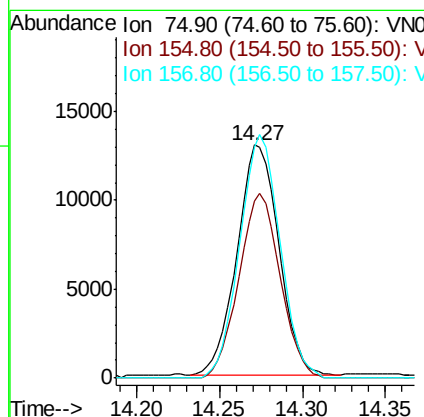
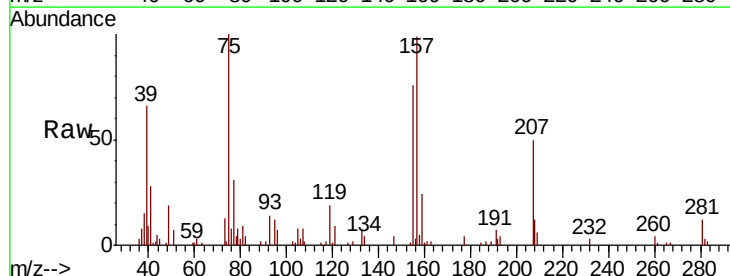
RT: 14.27 min Scan# 3887

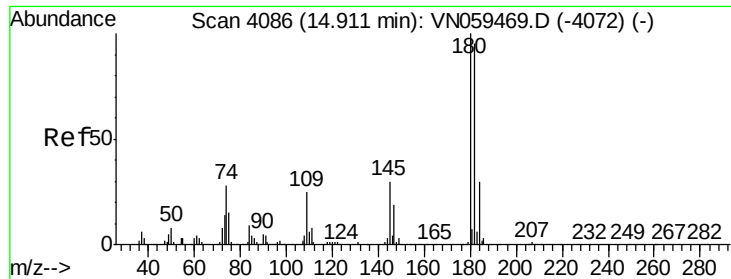
Delta R.T. -0.00 min

Lab File: VN059468.D

Acq: 3 Dec 2019 14:03

Tgt Ion:	75	Resp:	22694
Ion Ratio	Lower	Upper	
75	100		
155	79.1	40.6	122.0
157	102.0	52.9	158.7





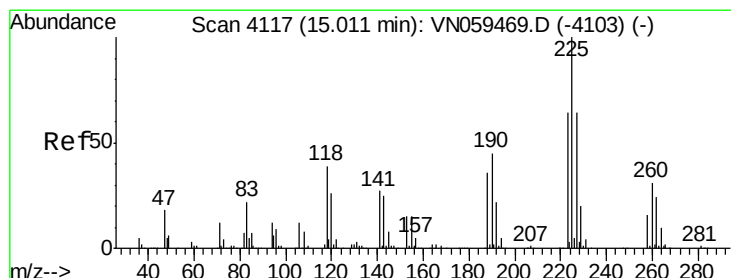
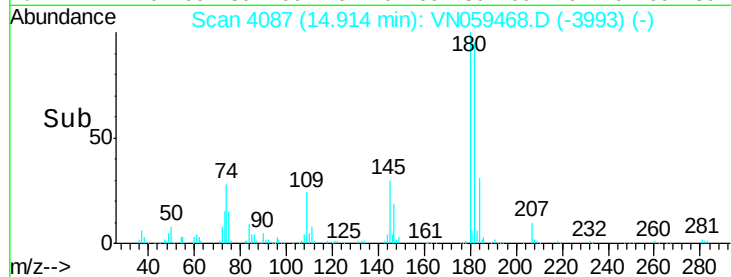
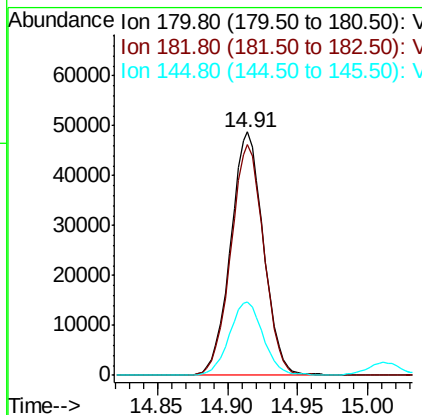
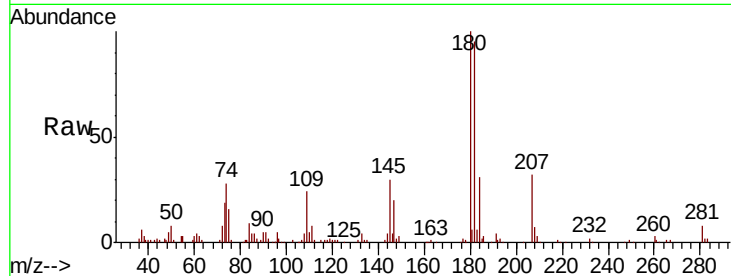
#93
 1,2,4-Trichlorobenzene
 Concen: 18.086 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	31.0	15.2	45.6

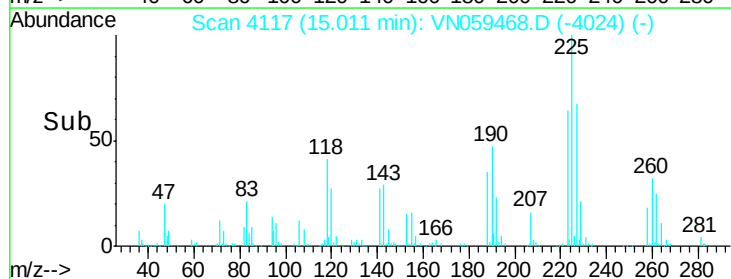
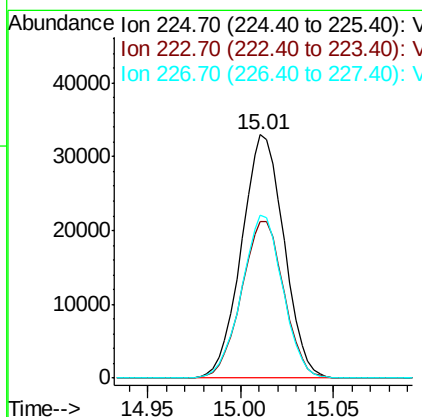
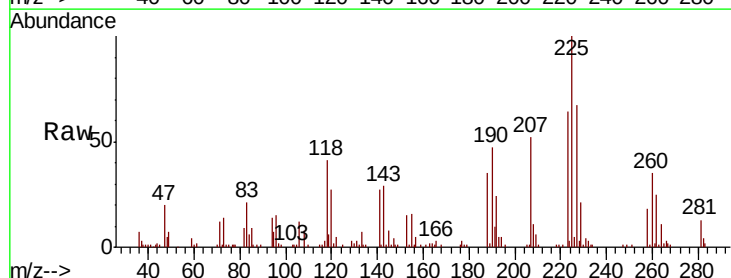
Manual Integrations
 APPROVED

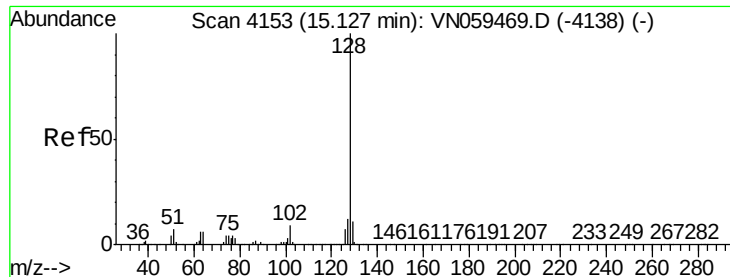
apatel
 12/4/2019 9:22:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.369 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059468.D
 Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.5
227	64.8	32.0	96.2





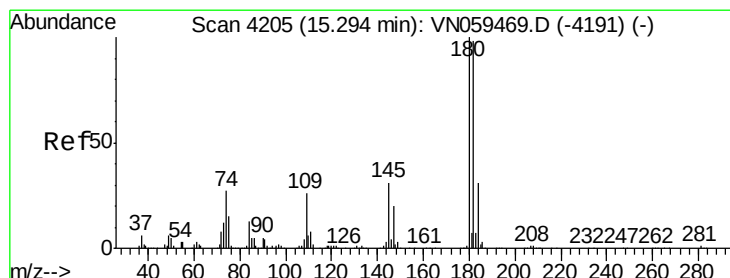
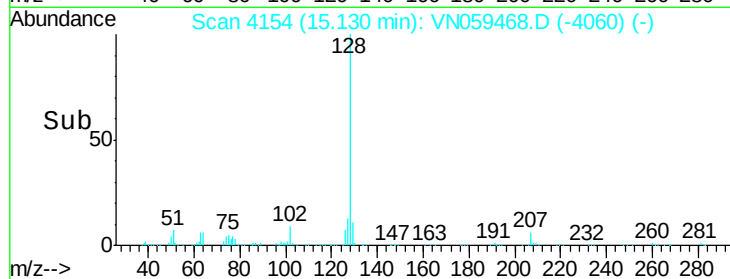
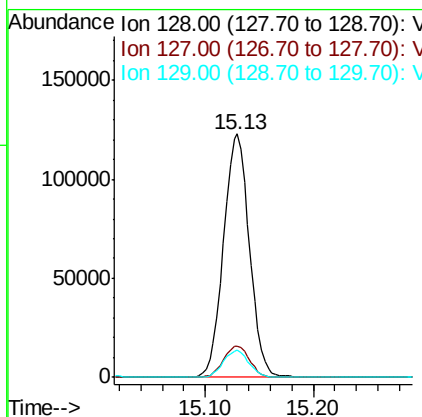
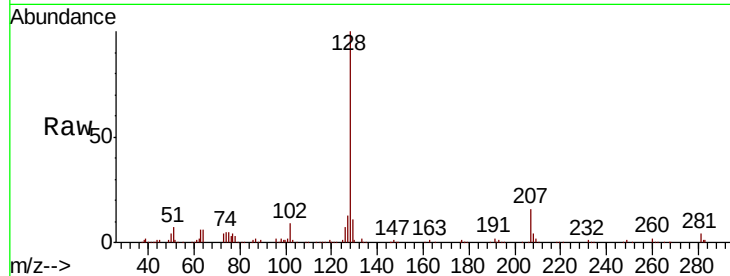
#95
Naphthalene
Concen: 16.390 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.961 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059468.D
Acq: 3 Dec 2019 14:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.5	145.5
145	32.6	16.1	48.2

