

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059467.D
 Acq On : 3 Dec 2019 13:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 12/4/2019 9:21:59 AM

Quant Time: Dec 03 15:17:13 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	355549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	496424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	22209	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
35) Dibromofluoromethane	7.57	113	17353	5.07	ug/l	0.00
Spiked Amount			Recovery	=	10.14%	
50) Toluene-d8	10.08	98	66753	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	21086	4.43	ug/l	0.00
Spiked Amount			Recovery	=	8.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	23316	5.704	ug/l	98
3) Chloromethane	2.04	50	27309	5.343	ug/l	96
4) Vinyl Chloride	2.17	62	17579	3.850	ug/l	94
5) Bromomethane	2.54	94	10923	3.998	ug/l	86
6) Chloroethane	2.68	64	9948	3.845	ug/l	98
7) Trichlorofluoromethane	3.00	101	21901	3.979	ug/l	98
8) Diethyl Ether	3.39	74	13189	5.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20603	5.703	ug/l	97
10) Methyl Iodide	3.93	142	21250	4.493	ug/l	97
11) Tert butyl alcohol	4.76	59	23182	31.368	ug/l	97
12) 1,1-Dichloroethene	3.71	96	19691	5.563	ug/l	97
13) Acrolein	3.58	56	18414	26.256	ug/l	93
14) Allyl chloride	4.29	41	37185	5.614	ug/l	98
15) Acrylonitrile	4.96	53	56401	27.372	ug/l	99
16) Acetone	3.79	43	68995	33.838	ug/l	100
17) Carbon Disulfide	4.03	76	63673	5.232	ug/l	97
18) Methyl Acetate	4.30	43	30164	5.449	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	64817	5.618	ug/l	96
20) Methylene Chloride	4.52	84	24980	6.118	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	21494	5.558	ug/l	96
22) Diisopropyl ether	5.92	45	70743	5.723	ug/l	96
23) Vinyl Acetate	5.87	43	278156	27.753	ug/l	100
24) 1,1-Dichloroethane	5.82	63	40723	5.740	ug/l	98
25) 2-Butanone	6.81	43	84354	30.004	ug/l	98
26) 2,2-Dichloropropane	6.80	77	35059	5.799	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	23761	5.600	ug/l	99
28) Bromochloromethane	7.17	49	7210	2.981	ug/l #	94
29) Tetrahydrofuran	7.19	42	54274	29.029	ug/l	99
30) Chloroform	7.35	83	39614	5.556	ug/l	99
31) Cyclohexane	7.63	56	42715	6.008	ug/l #	82
32) 1,1,1-Trichloroethane	7.54	97	32901	5.637	ug/l	96
36) 1,1-Dichloropropene	7.77	75	30344	5.579	ug/l	99
37) Ethyl Acetate	6.91	43	32613	5.562	ug/l	99
38) Carbon Tetrachloride	7.75	117	28797	5.582	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	35476	5.448	ug/l	97
40) Benzene	8.02	78	90568	5.600	ug/l	99
41) Methacrylonitrile	7.15	41	11528	4.235	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	31081	6.015	ug/l	99
43) Isopropyl Acetate	8.15	43	48658	5.488	ug/l	93
44) Trichloroethene	8.82	130	22957	5.578	ug/l	95
45) 1,2-Dichloropropane	9.10	63	24494	5.789	ug/l	98
46) Dibromomethane	9.20	93	14709	5.624	ug/l	98
47) Bromodichloromethane	9.39	83	29356	5.548	ug/l #	96
48) Methyl methacrylate	9.19	41	21620	5.482	ug/l	95
49) 1,4-Dioxane	9.19	88	7272	129.982	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	147394	28.444	ug/l	96
52) Toluene	10.15	92	53256	5.506	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	32970	5.417	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	35537	5.429	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	21528	5.663	ug/l	99
56) Ethyl methacrylate	10.42	69	27237	4.906	ug/l	93
57) 1,3-Dichloropropane	10.70	76	36410	5.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	37972	23.724	ug/l	99
59) 2-Hexanone	10.75	43	106598	27.671	ug/l	98
60) Dibromochloromethane	10.90	129	21794	5.513	ug/l	97
61) 1,2-Dibromoethane	11.00	107	20789	5.337	ug/l	95
64) Tetrachloroethene	10.63	164	22557	6.062	ug/l	98
65) Chlorobenzene	11.43	112	55727	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	20458	5.545	ug/l	98
67) Ethyl Benzene	11.51	91	97968	5.475	ug/l	98
68) m/p-Xylenes	11.62	106	69481	10.375	ug/l	96
69) o-Xylene	11.95	106	33412	5.224	ug/l	98
70) Styrene	11.96	104	48964	4.882	ug/l	98
71) Bromoform	12.13	173	14413	5.105	ug/l #	96
73) Isopropylbenzene	12.25	105	88160	5.621	ug/l	99
74) N-amyl acetate	12.07	43	31978	5.339	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	28893	5.613	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	28071m	5.776	ug/l	
77) Bromobenzene	12.53	156	22314	5.813	ug/l	100
78) n-propylbenzene	12.59	91	101966	5.627	ug/l	98
79) 2-Chlorotoluene	12.67	91	63015	5.822	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	72810	5.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9454	5.022	ug/l	95
82) 4-Chlorotoluene	12.78	91	62760	5.629	ug/l	99
83) tert-Butylbenzene	12.99	119	62821	5.532	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	69778	5.400	ug/l	100
85) sec-Butylbenzene	13.17	105	84127	5.586	ug/l	99
86) p-Isopropyltoluene	13.29	119	72562	5.335	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	37595	5.530	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	37897	5.544	ug/l	95
89) n-Butylbenzene	13.62	91	60910	5.115	ug/l	98
90) Hexachloroethane	13.88	117	14519	5.573	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	36743	5.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6821	5.834	ug/l	83

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VSTDICC005

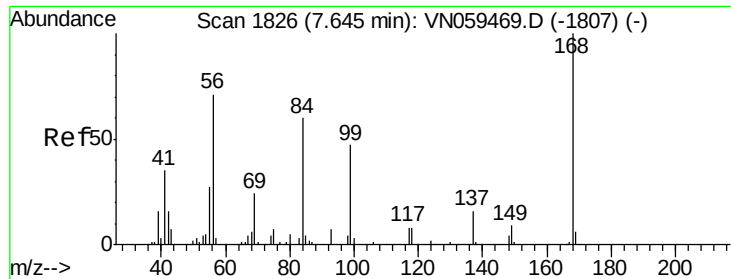
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19452	4.742	ug/l	99
94) Hexachlorobutadiene	15.01	225	14961	5.894	ug/l	98
95) Naphthalene	15.13	128	49747	4.257	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	20832	4.773	ug/l	98

(#) = 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: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 355549

Ion Ratio Lower Upper

168 100

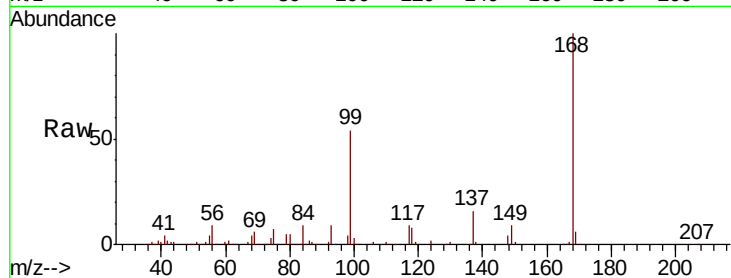
99 54.2 43.4 65.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

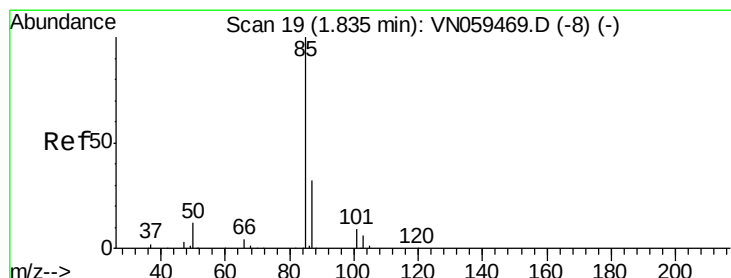
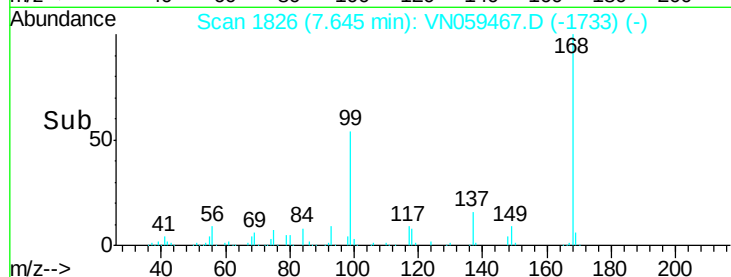
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.704 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059467.D

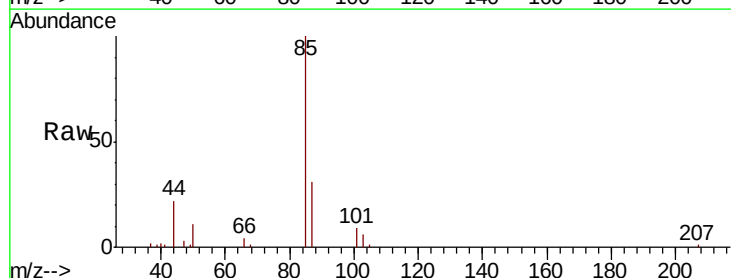
Acq: 3 Dec 2019 13:41

Tgt Ion: 85 Resp: 23316

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

15000

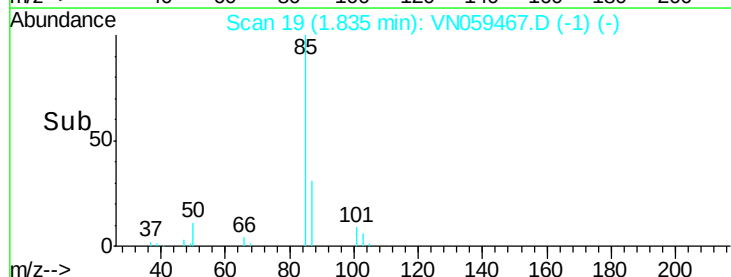
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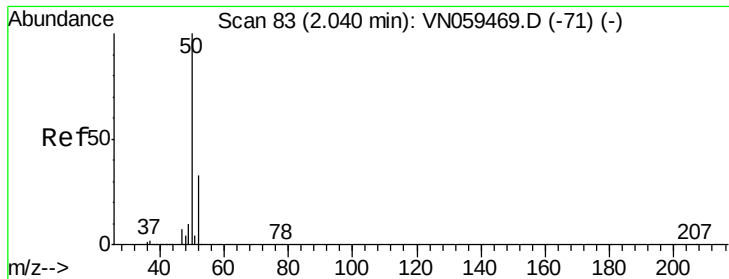
5000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.343 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27309

Ion Ratio Lower Upper

50 100

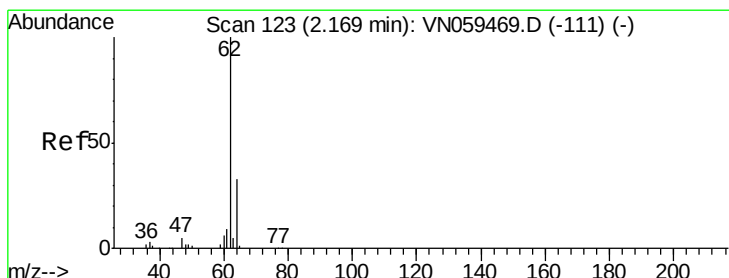
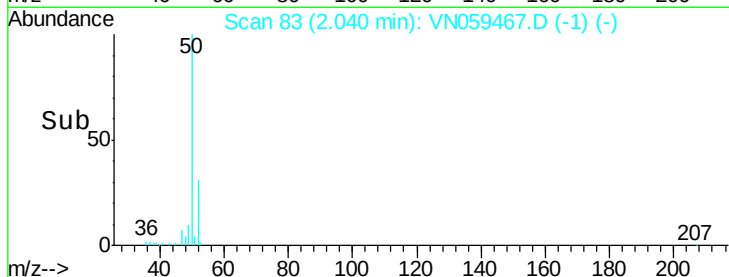
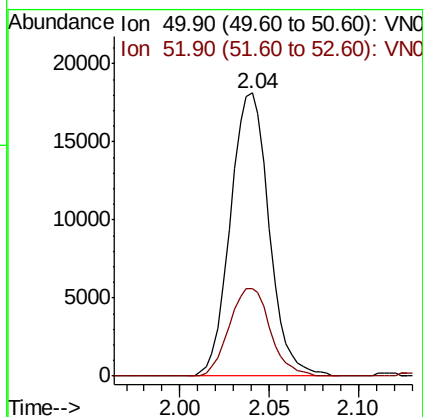
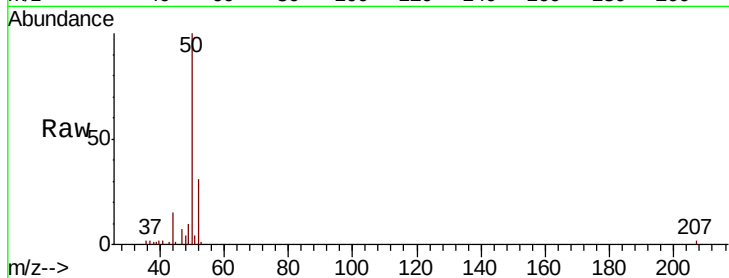
52 31.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 3.850 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059467.D

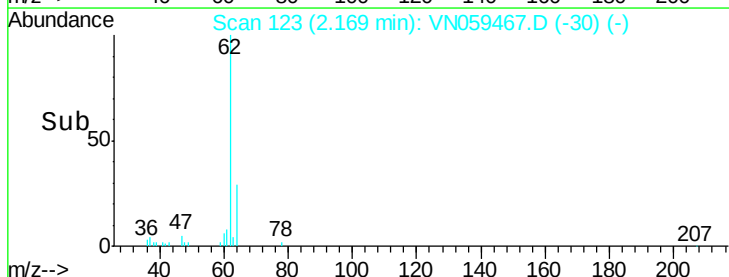
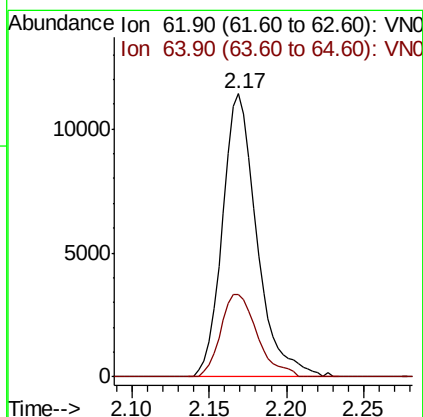
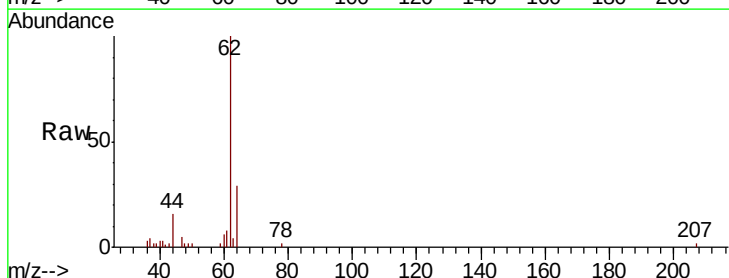
Acq: 3 Dec 2019 13:41

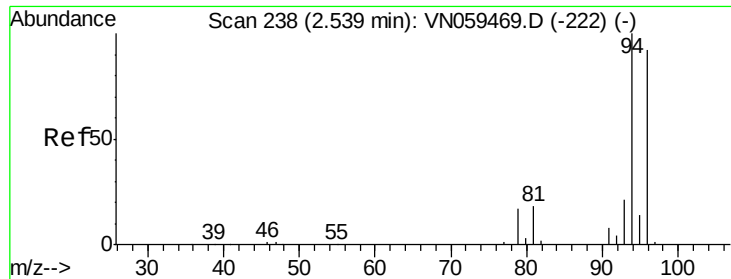
Tgt Ion: 62 Resp: 17579

Ion Ratio Lower Upper

62 100

64 29.1 26.0 39.0





#5

Bromomethane

Concen: 3.998 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10923

Ion Ratio Lower Upper

94 100

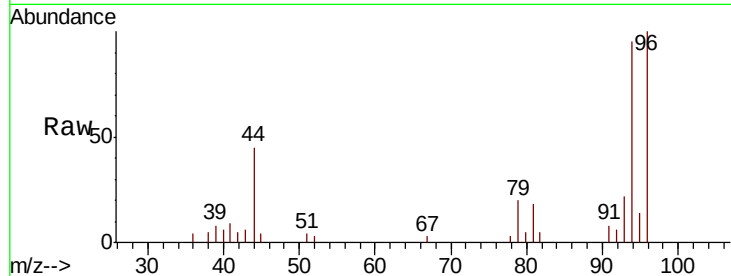
96 104.9 73.5 110.3

Manual Integrations

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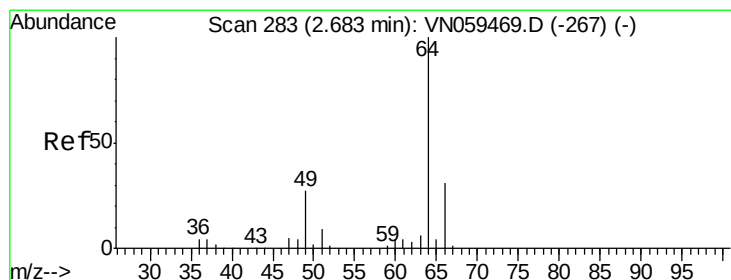
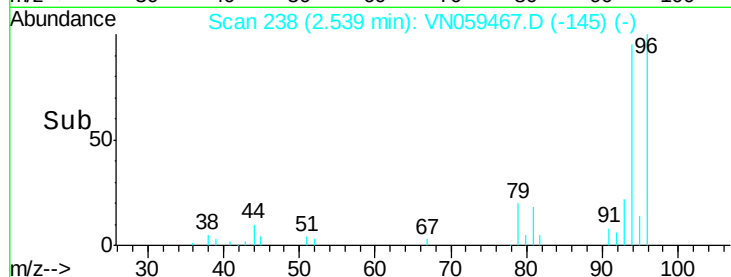
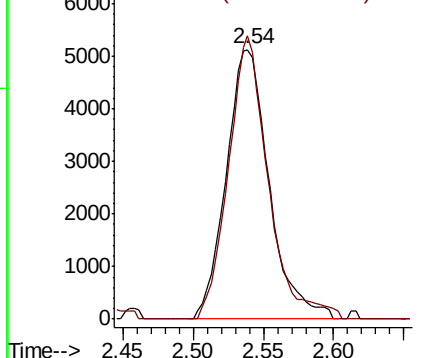
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 3.845 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059467.D

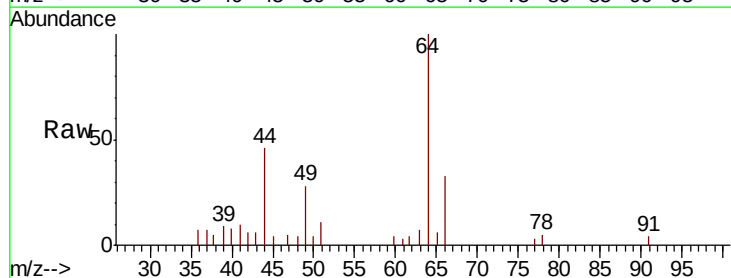
Acq: 3 Dec 2019 13:41

Tgt Ion: 64 Resp: 9948

Ion Ratio Lower Upper

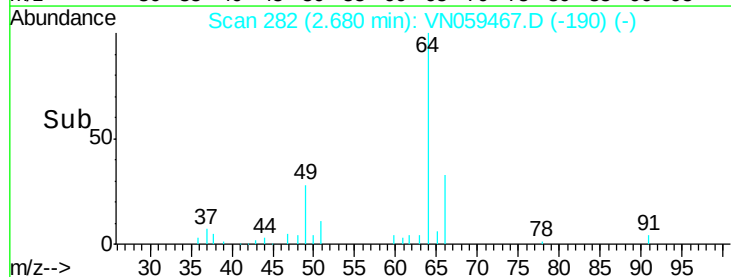
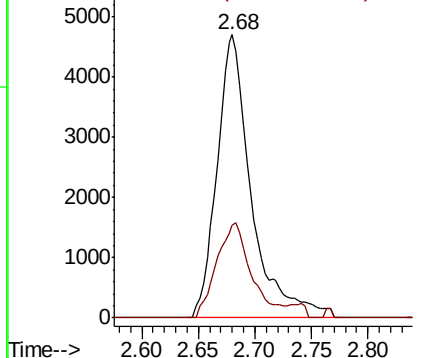
64 100

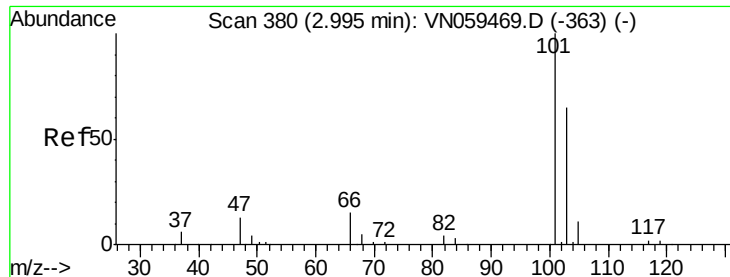
66 32.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

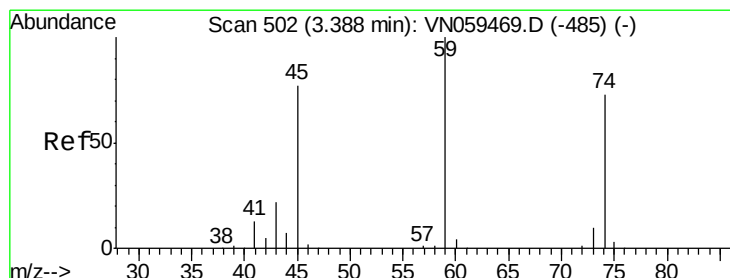
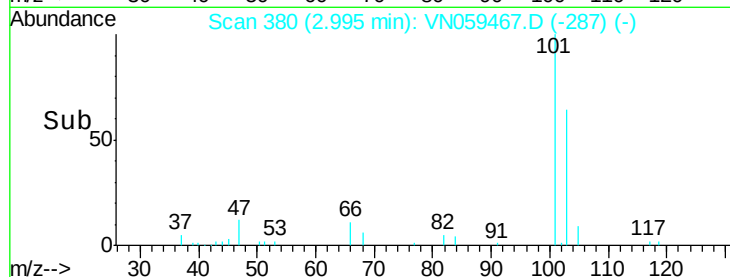
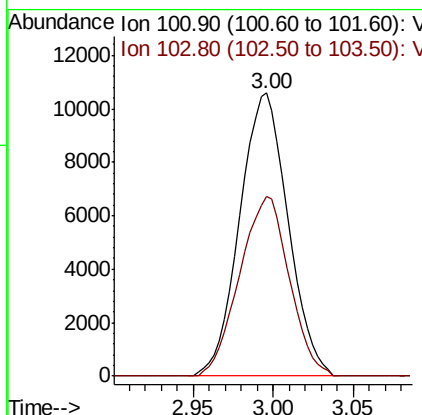
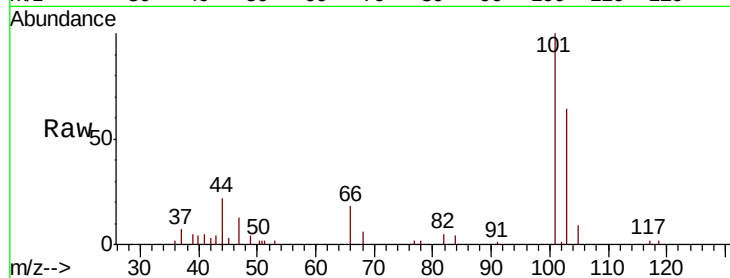
Trichlorofluoromethane
Concen: 3.979 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 21901
Ion Ratio Lower Upper
101 100
103 63.7 52.4 78.6

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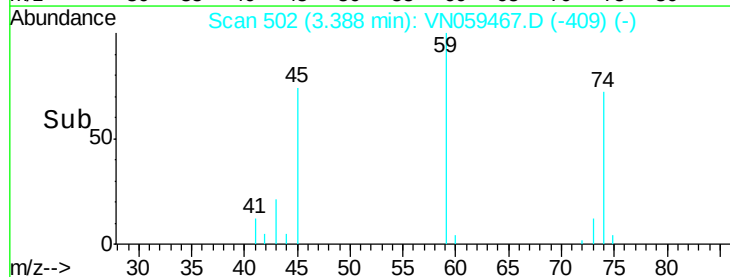
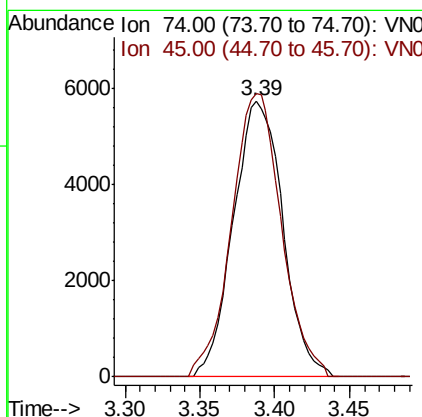
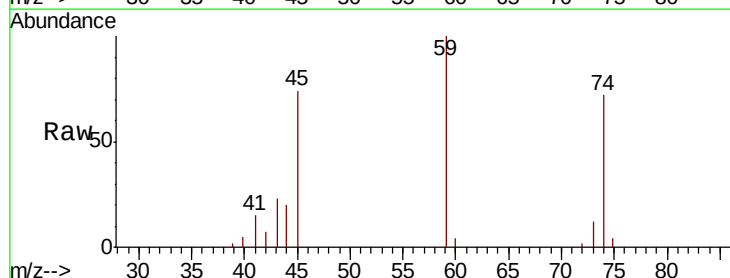
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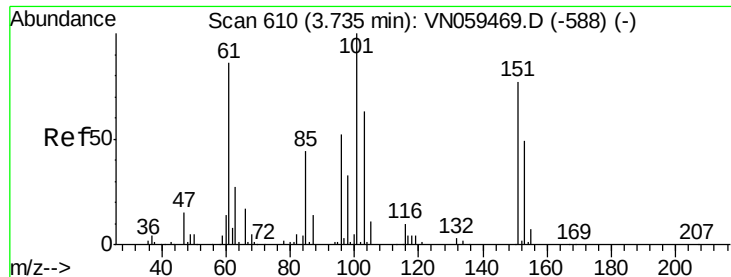


#8

Diethyl Ether
Concen: 5.507 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 74 Resp: 13189
Ion Ratio Lower Upper
74 100
45 103.5 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.703 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

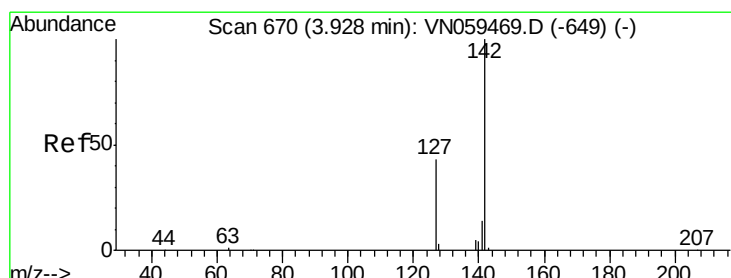
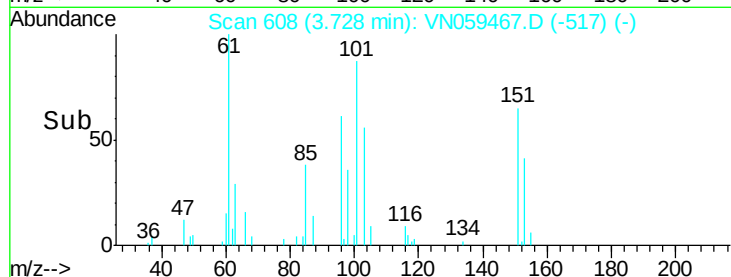
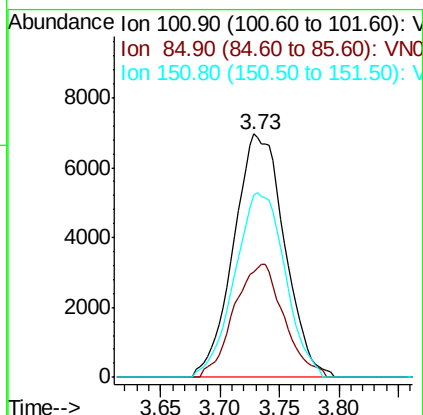
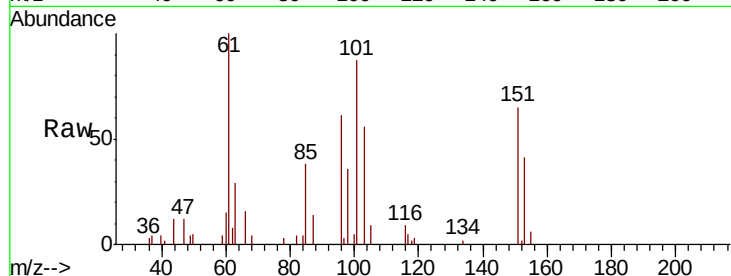
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	20603
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.2	52.8
151	75.3	62.4	93.6

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#10

Methyl Iodide

Concen: 4.493 ug/l

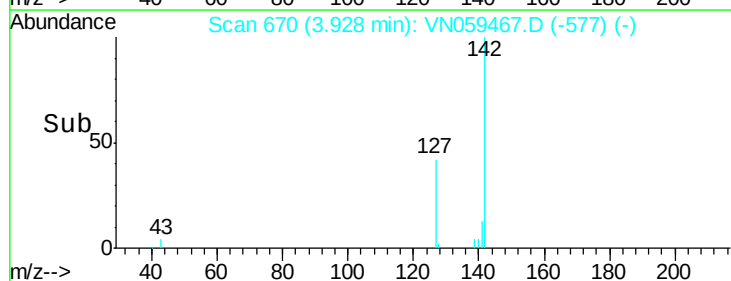
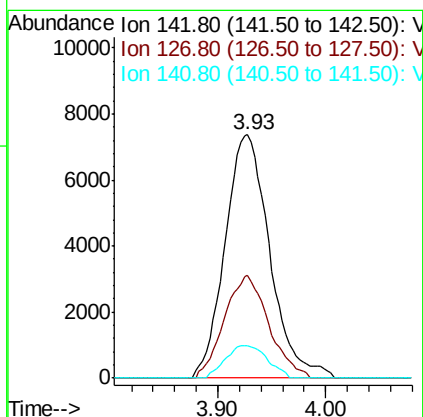
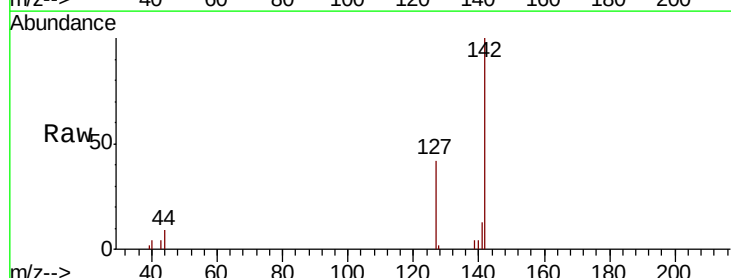
RT: 3.93 min Scan# 670

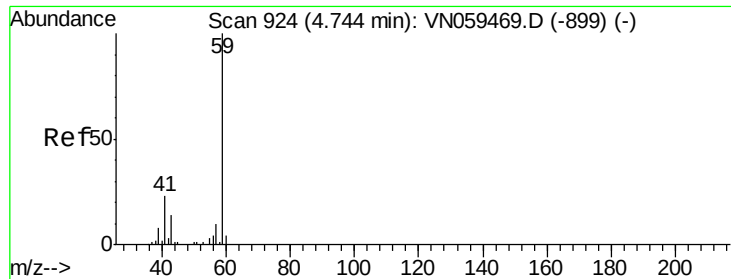
Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	142	Resp:	21250
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.6	52.0
141	12.5	11.4	17.0





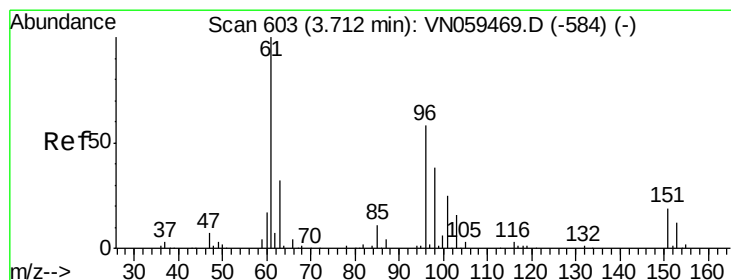
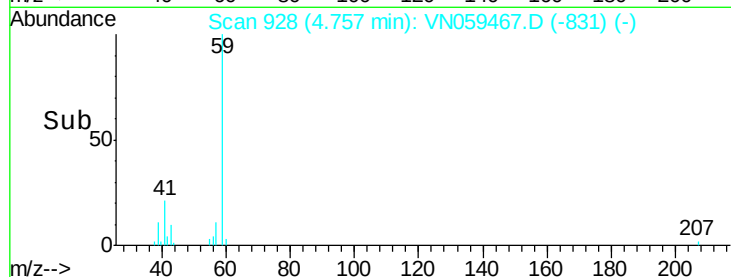
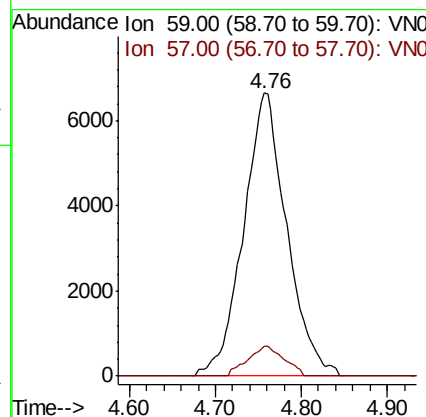
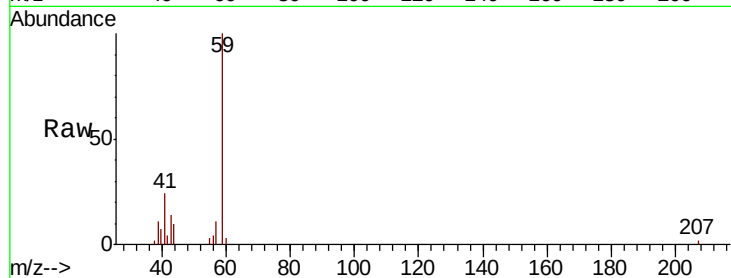
#11
Tert butyl alcohol
Concen: 31.368 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.1	12.1

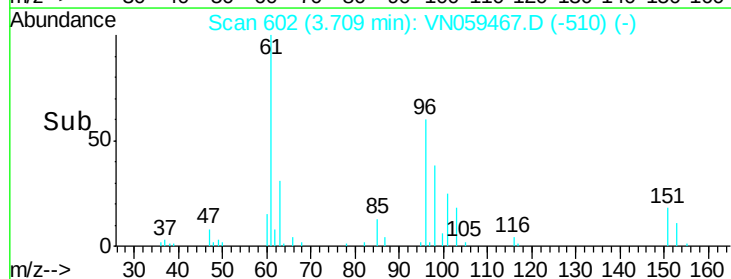
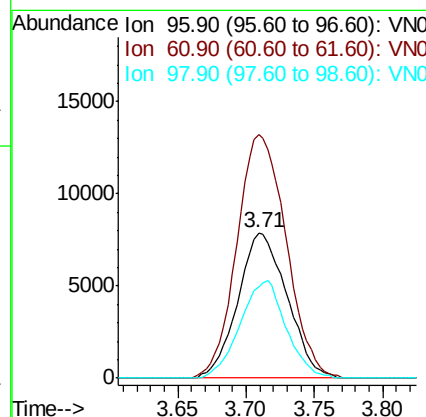
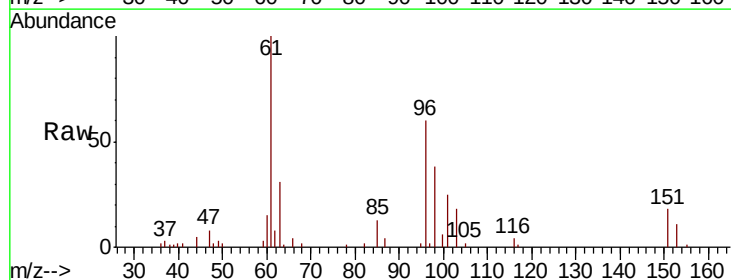
Manual Integrations
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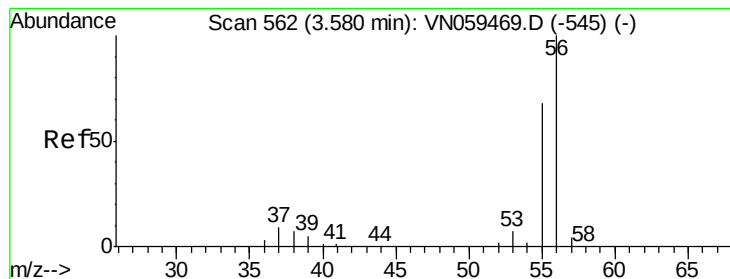
apatel
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#12
1,1-Dichloroethene
Concen: 5.563 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	137.1	205.7
98	63.3	52.4	78.6





#13

Acrolein

Concen: 26.256 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 18414

Ion Ratio Lower Upper

56 100

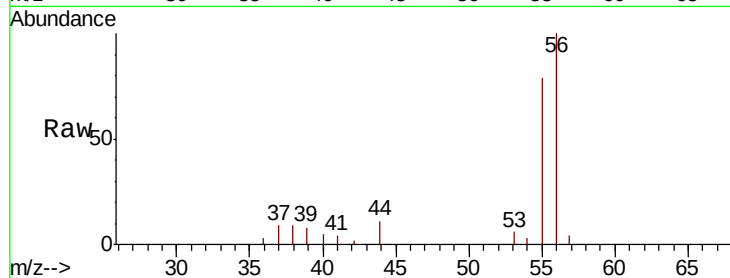
55 76.6 56.5 84.7

Manual Integrations

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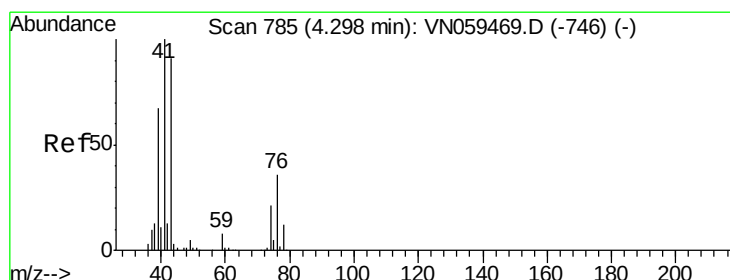
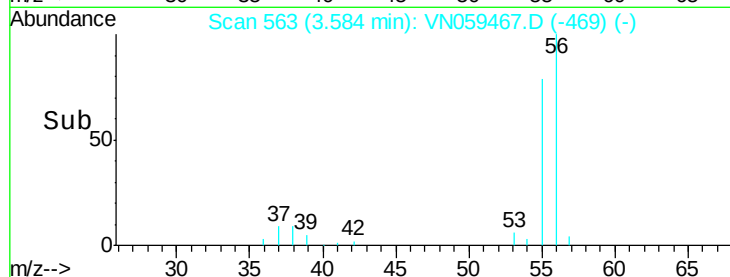
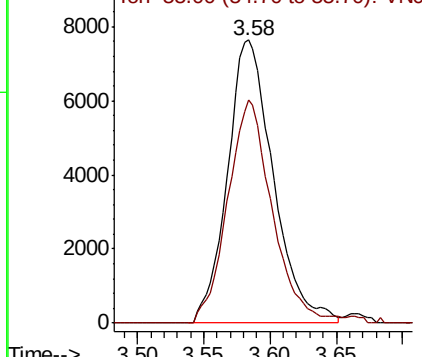
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.614 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

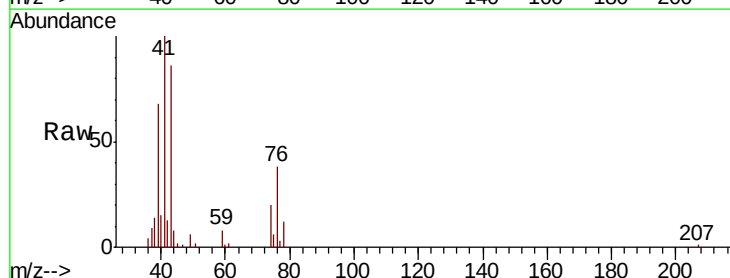
Tgt Ion: 41 Resp: 37185

Ion Ratio Lower Upper

41 100

39 63.5 49.3 73.9

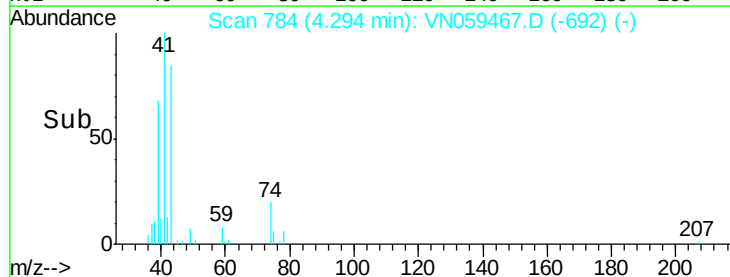
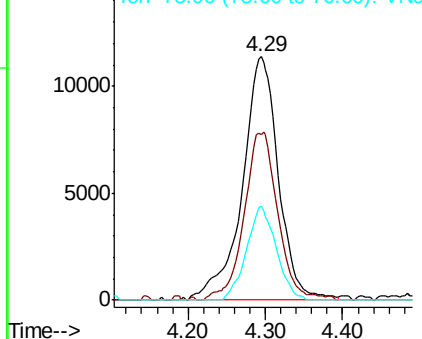
76 31.6 25.6 38.4

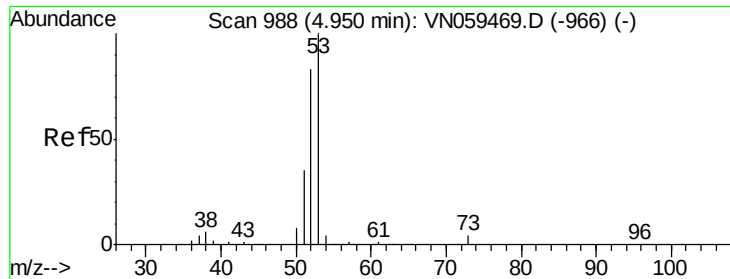


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 27.372 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

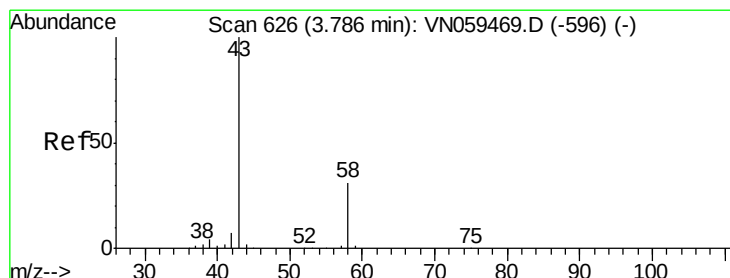
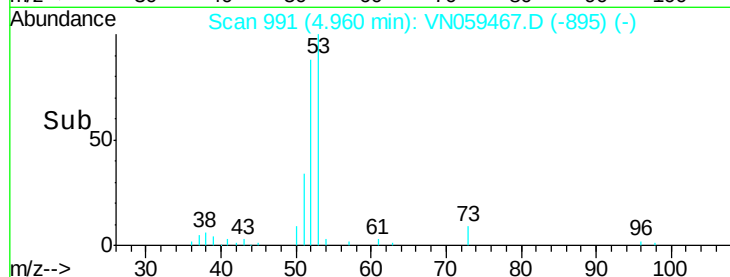
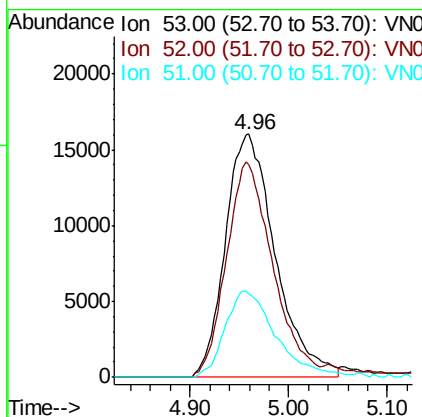
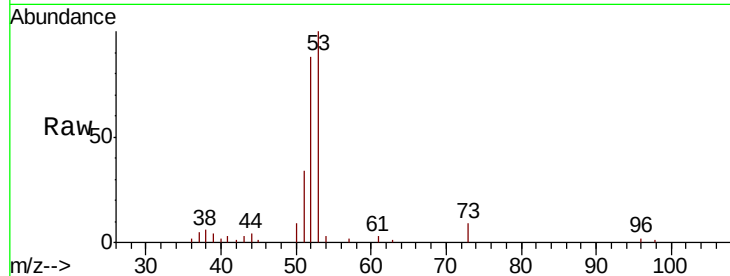
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	56401
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	36.2	28.5	42.7

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#16

Acetone

Concen: 33.838 ug/l

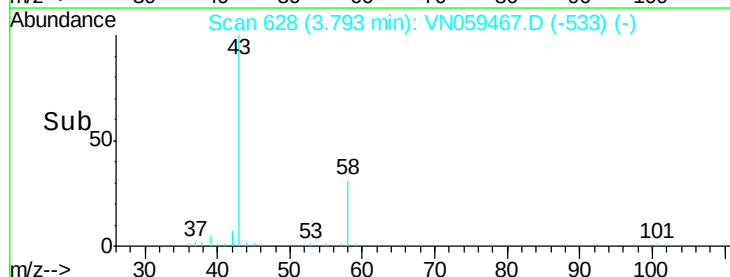
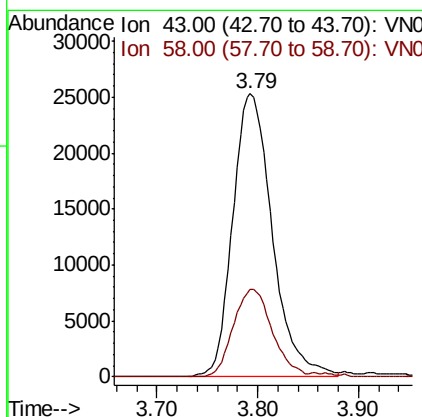
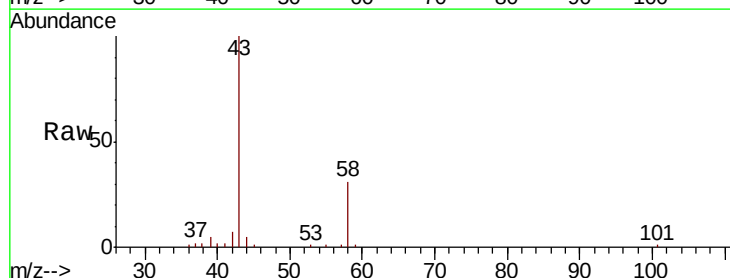
RT: 3.79 min Scan# 628

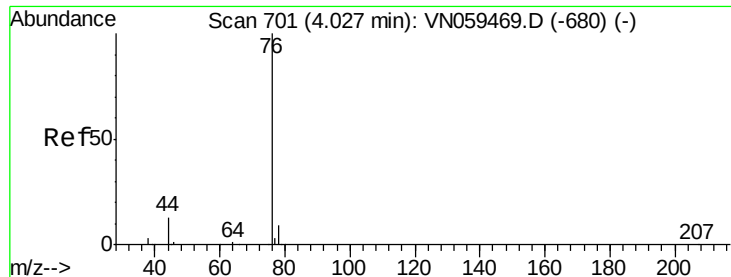
Delta R.T. 0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	43	Resp:	68995
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.9	37.3





#17

Carbon Disulfide

Concen: 5.232 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 63673

Ion Ratio Lower Upper

76 100

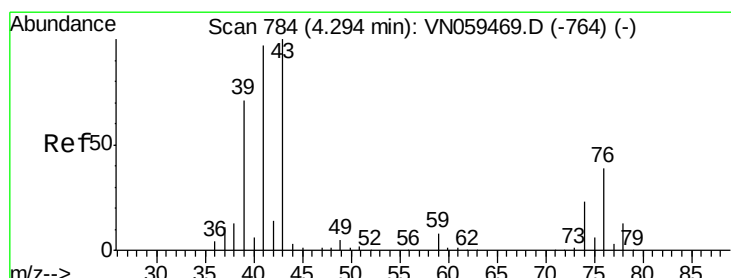
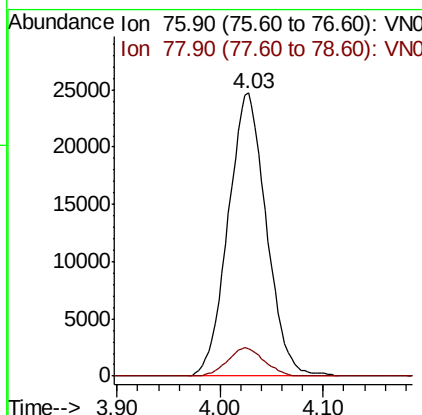
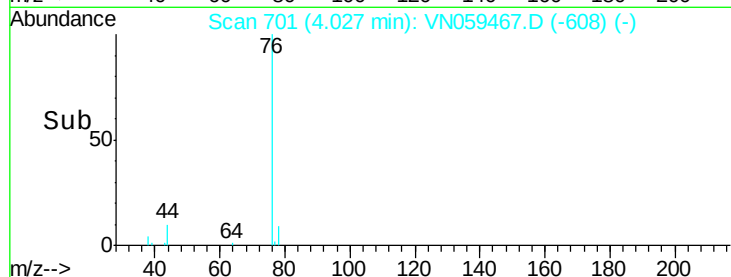
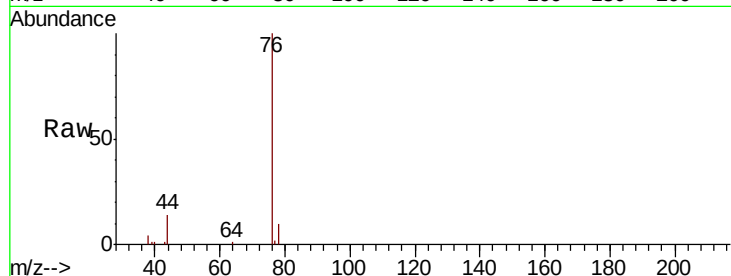
78 9.8 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 5.449 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN059467.D

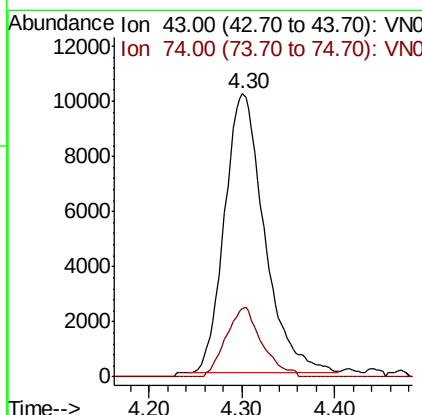
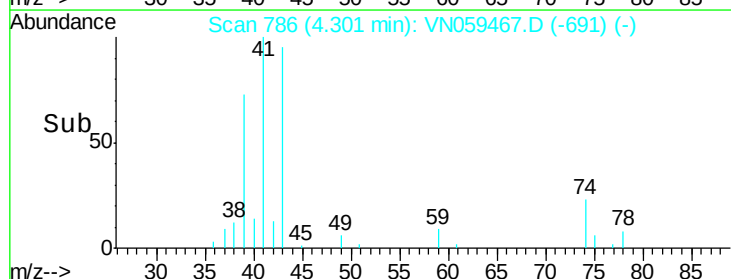
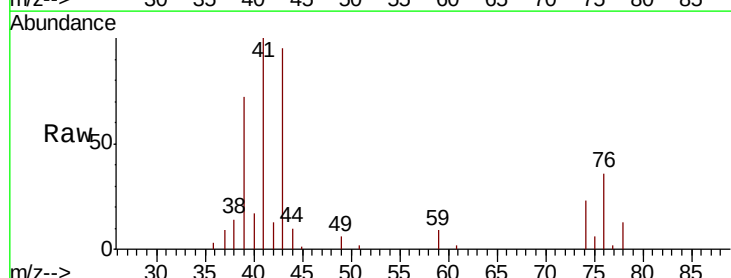
Acq: 3 Dec 2019 13:41

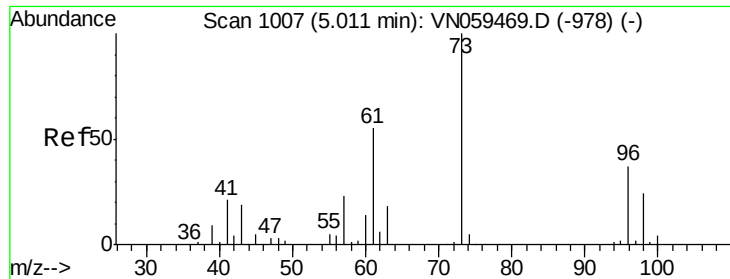
Tgt Ion: 43 Resp: 30164

Ion Ratio Lower Upper

43 100

74 22.5 18.3 27.5





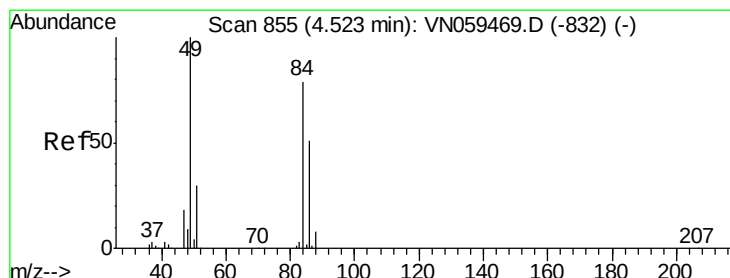
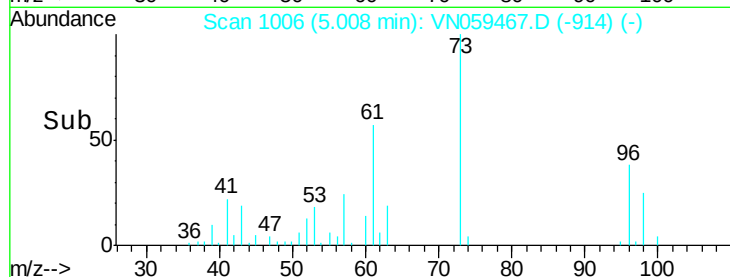
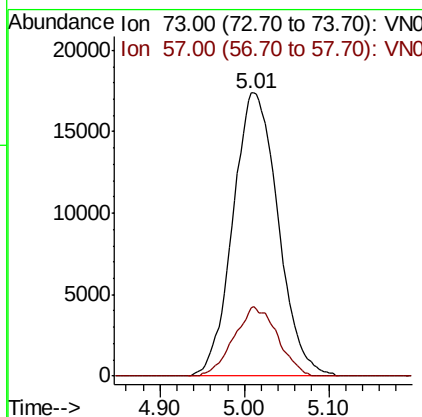
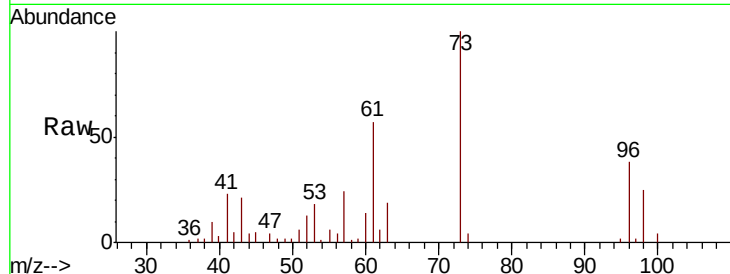
#19
Methyl tert-butyl Ether
Concen: 5.618 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 64817
Ion Ratio Lower Upper
73 100
57 24.2 18.0 27.0

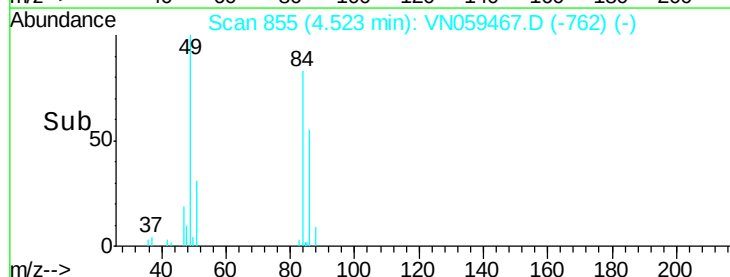
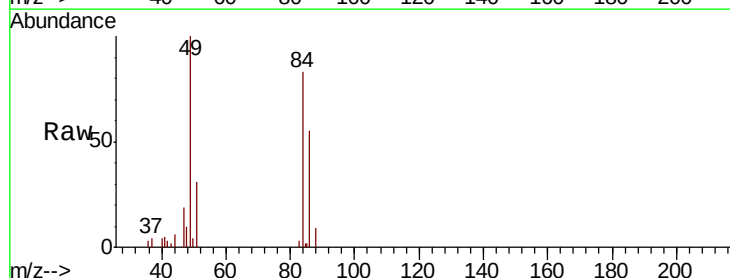
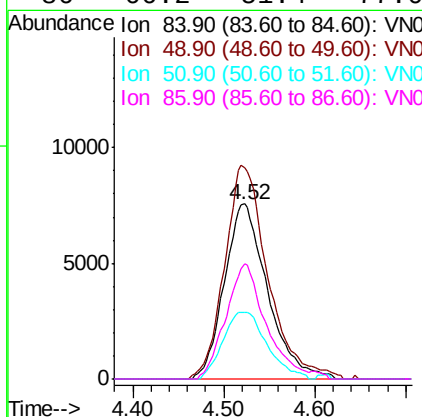
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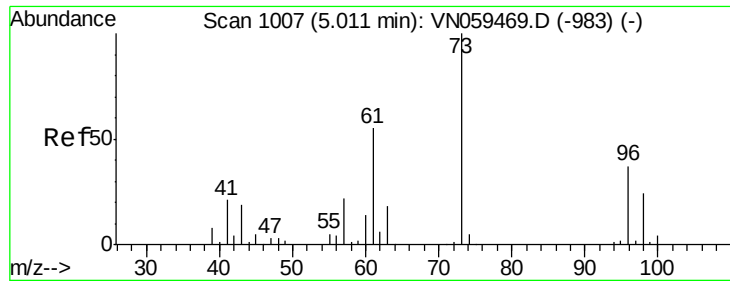
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#20
Methylene Chloride
Concen: 6.118 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 84 Resp: 24980
Ion Ratio Lower Upper
84 100
49 121.1 101.1 151.7
51 38.1 30.7 46.1
86 66.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 5.558 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

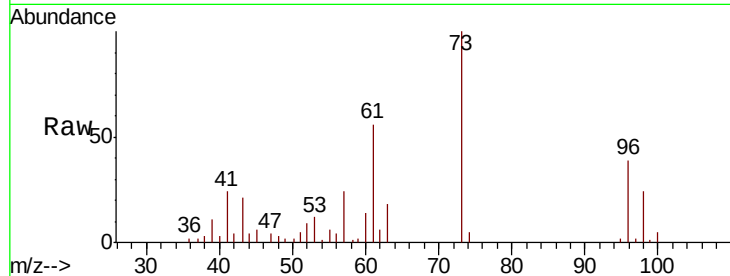
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	21494
Ion	Ratio	Lower	Upper
96	100		
61	143.5	118.9	178.3
98	61.2	51.6	77.4

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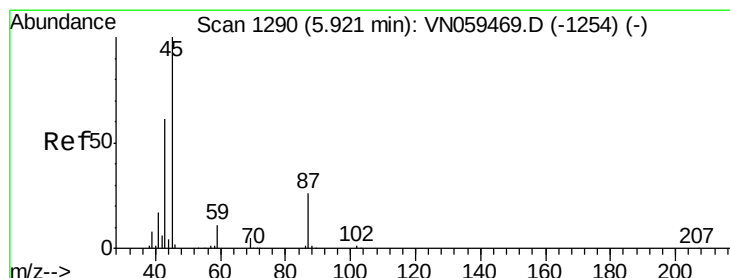
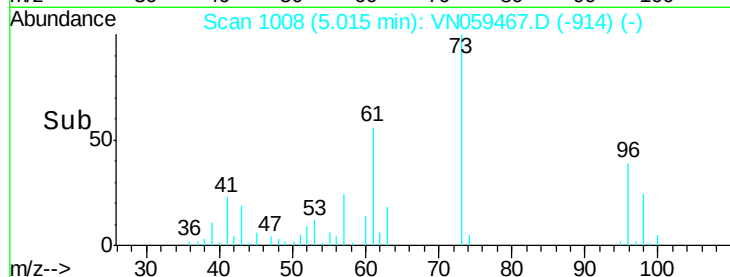
Abundance Ion 95.90 (95.60 to 96.60): VN059467.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059467.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059467.D (-983) (-)

Time-->

5.01



#22

Diisopropyl ether

Concen: 5.723 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	45	Resp:	70743
Ion	Ratio	Lower	Upper
45	100		
43	66.1	49.1	73.7
87	27.4	21.6	32.4
59	10.7	9.0	13.4

Abundance Ion 45.00 (44.70 to 45.70): VN059467.D (-1197) (-)

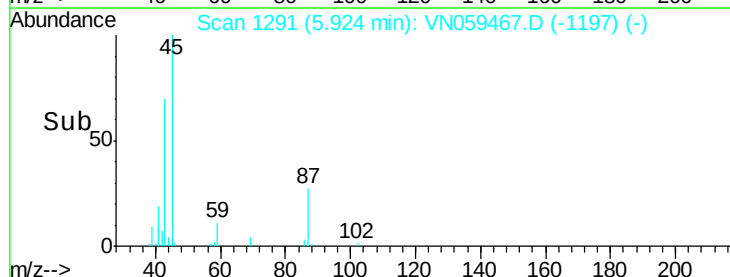
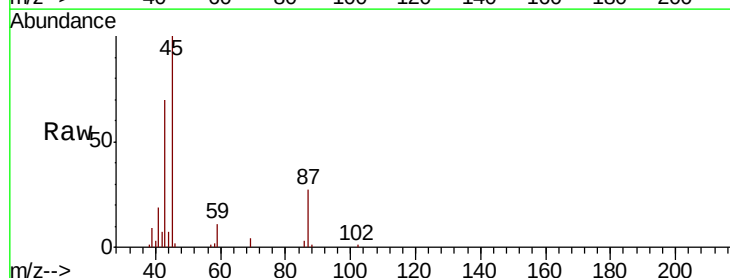
Ion 43.00 (42.70 to 43.70): VN059467.D (-1197) (-)

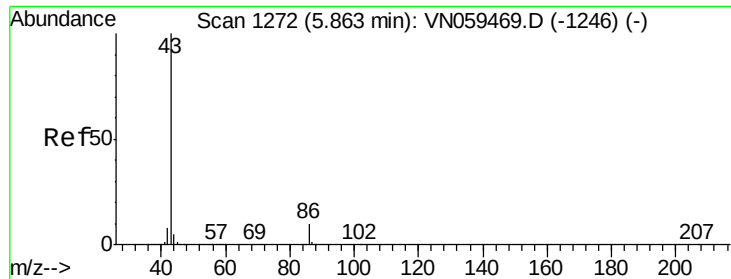
Ion 87.00 (86.70 to 87.70): VN059467.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059467.D (-1197) (-)

Time-->

5.92





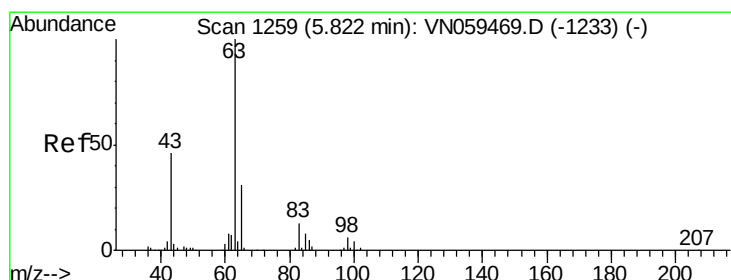
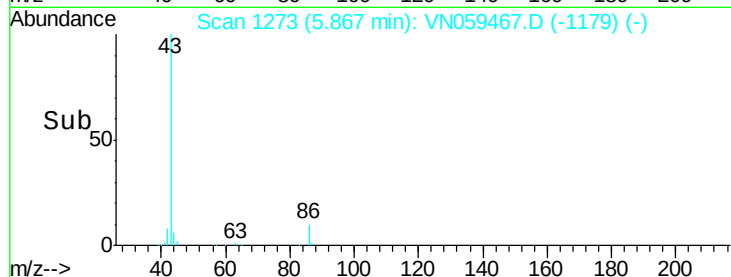
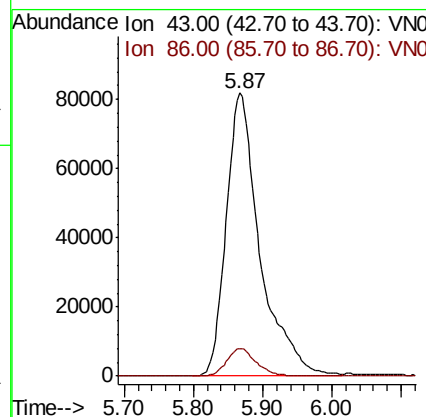
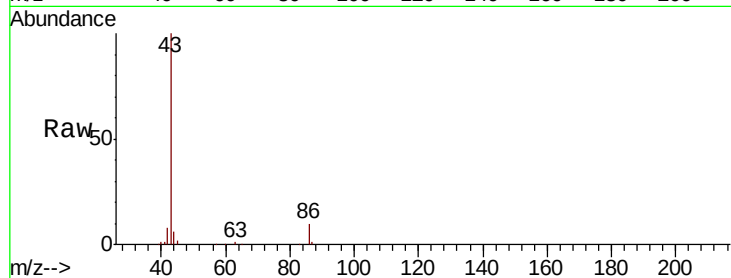
#23
 Vinyl Acetate
 Concen: 27.753 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
43	100	278156		
86	9.9		8.0	12.0

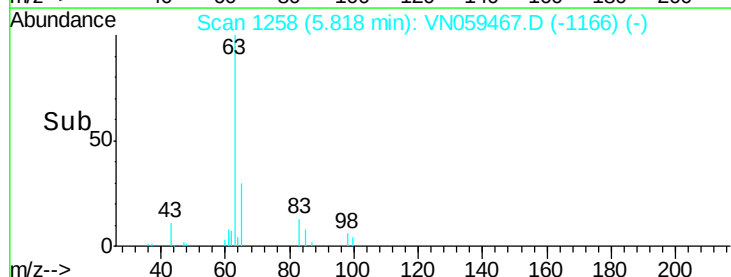
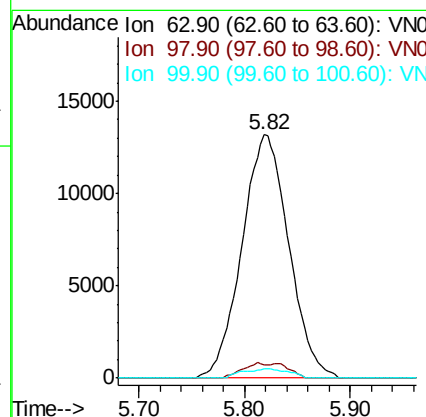
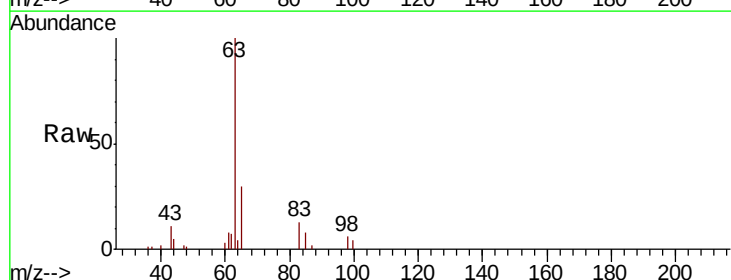
Manual Integrations
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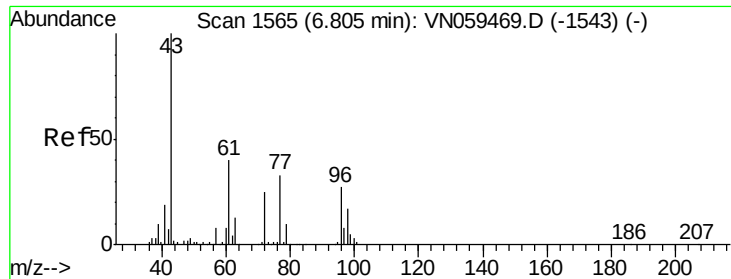
apatel
 12/4/2019 9:21:59 AM



#24
 1,1-Dichloroethane
 Concen: 5.740 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	40723		
98	5.6		3.2	9.6
100	3.7		2.0	6.0





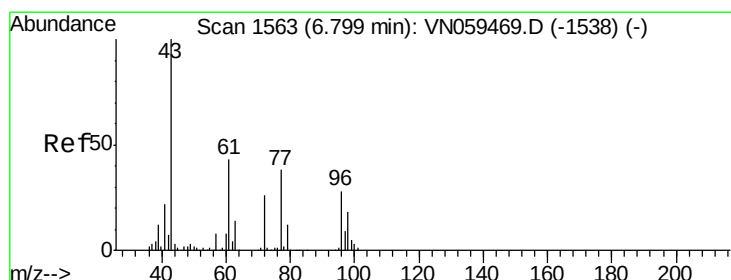
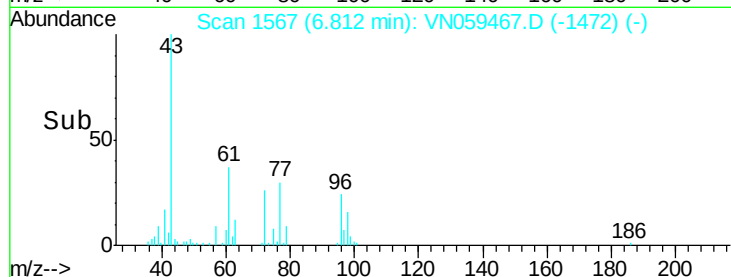
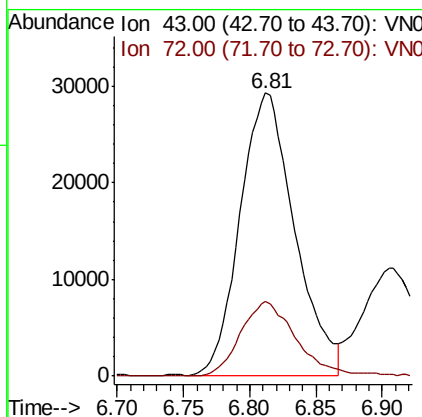
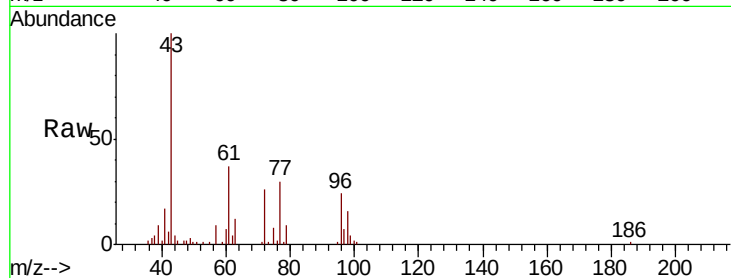
#25
2-Butanone
Concen: 30.004 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 84354
Ion Ratio Lower Upper
43 100
72 26.4 20.2 30.2

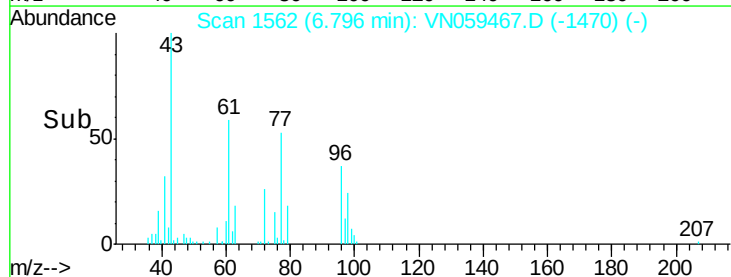
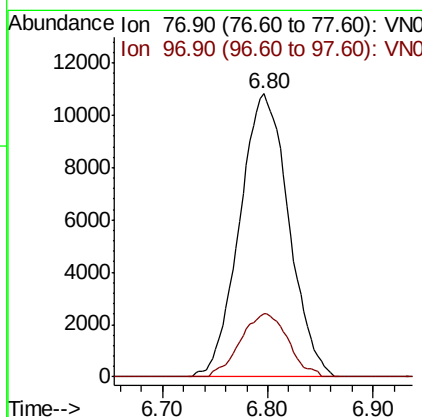
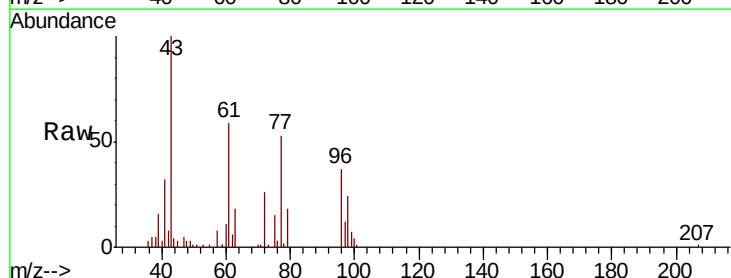
Manual Integrations
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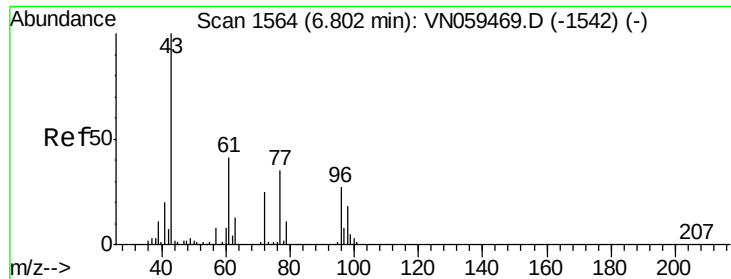
apatel
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#26
2,2-Dichloropropane
Concen: 5.799 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 77 Resp: 35059
Ion Ratio Lower Upper
77 100
97 21.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 5.600 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

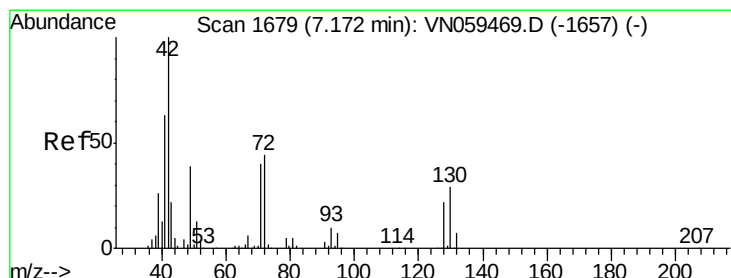
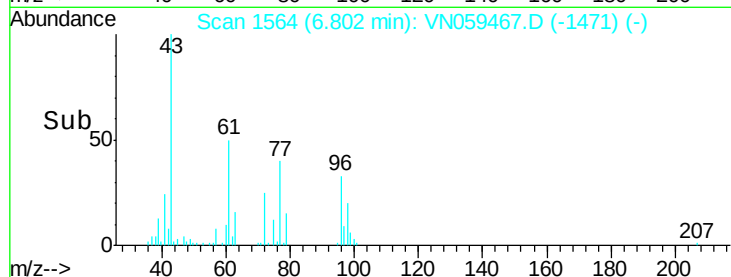
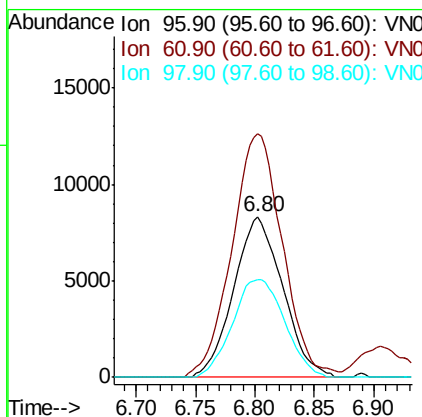
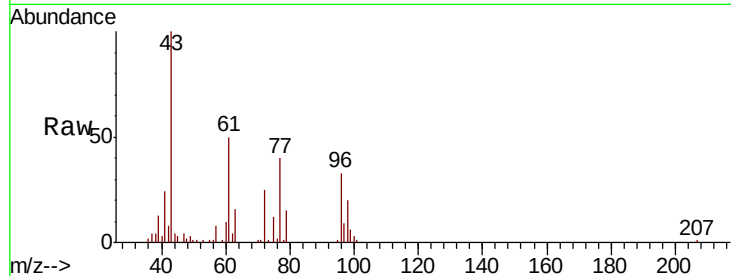
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	23761
Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	307.4
98	64.9	0.0	129.2

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#28

Bromochloromethane

Concen: 2.981 ug/l

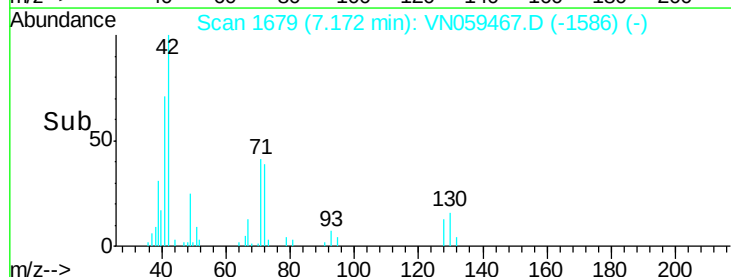
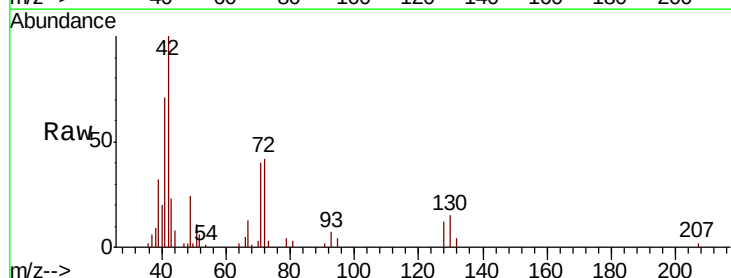
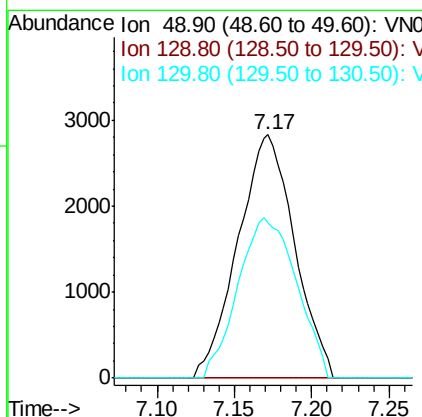
RT: 7.17 min Scan# 1679

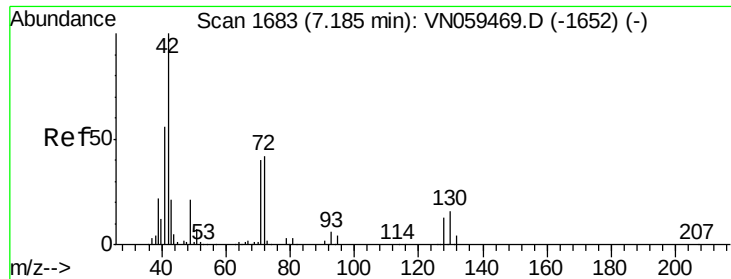
Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	49	Resp:	7210
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	68.1	58.4	87.6





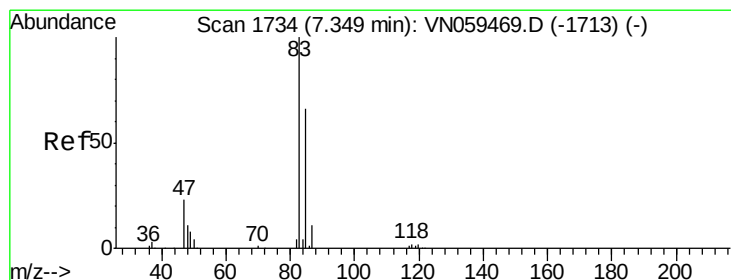
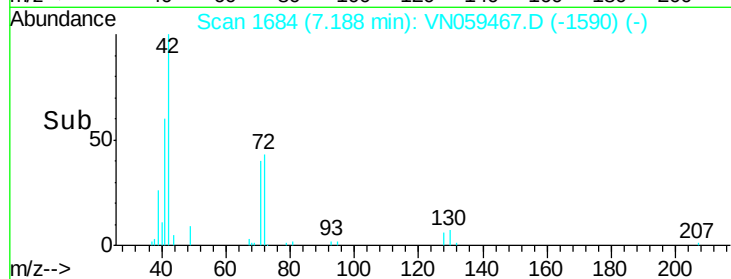
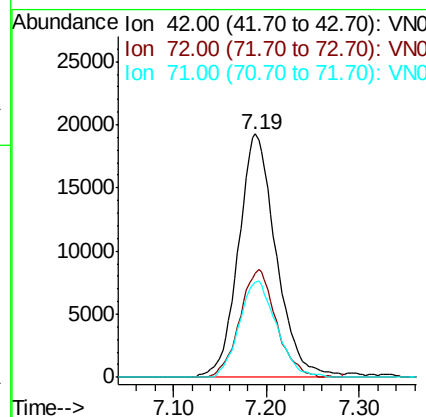
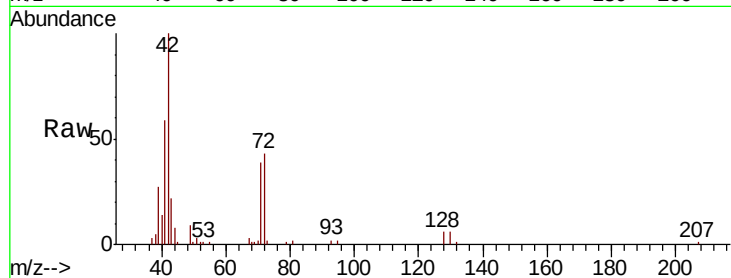
#29
Tetrahydrofuran
Concen: 29.029 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.0	32.0	48.0

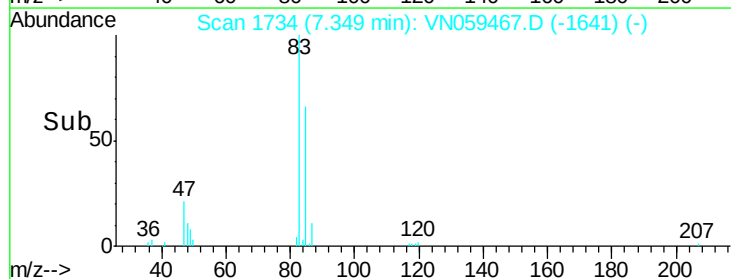
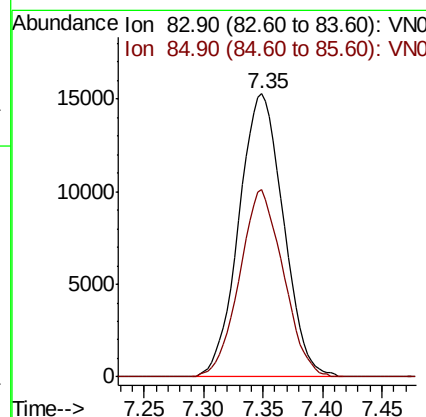
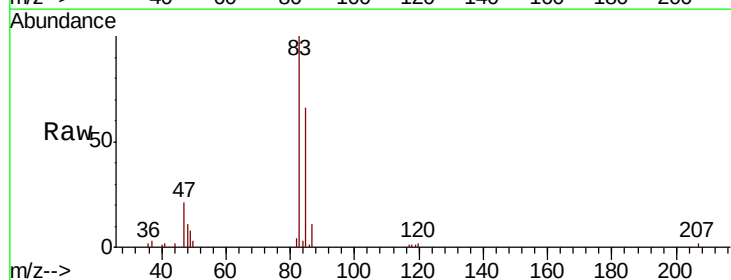
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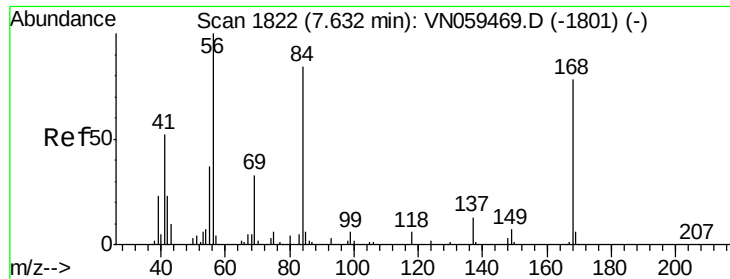
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#30
Chloroform
Concen: 5.556 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.4	78.6





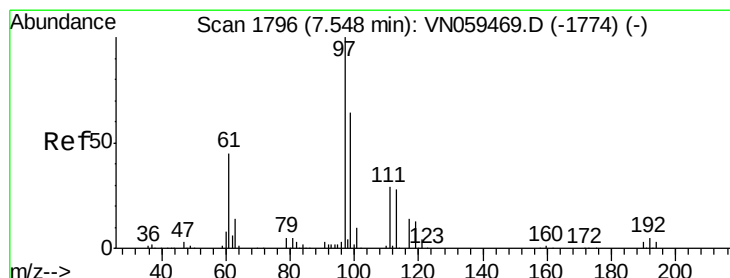
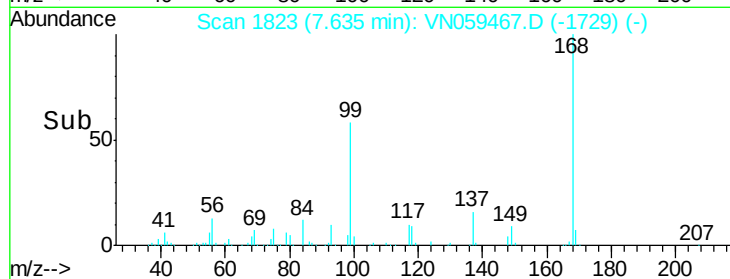
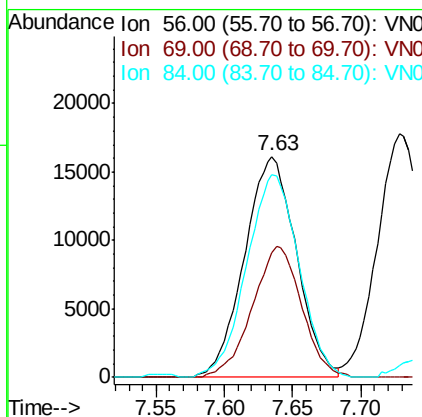
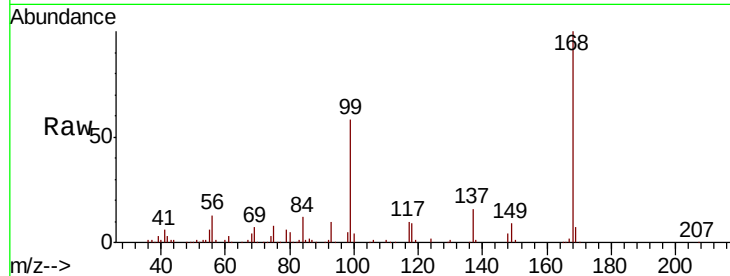
#31
Cyclohexane
Concen: 6.008 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	56.5	26.2	39.4#
84	91.8	66.8	100.2

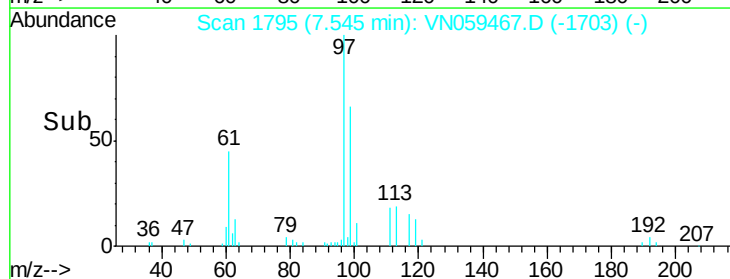
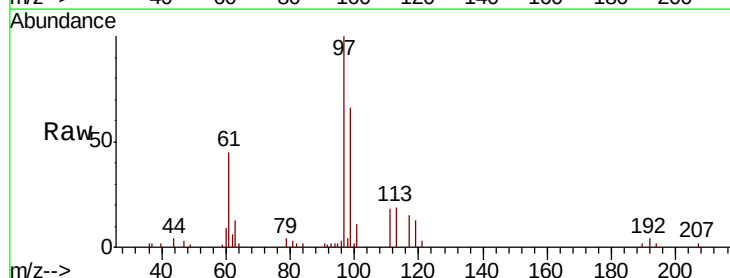
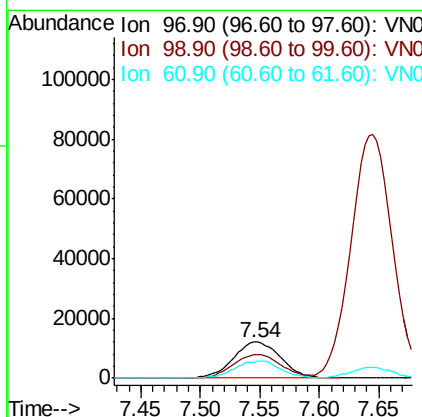
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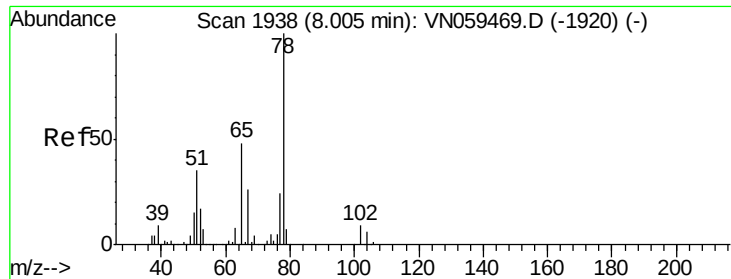
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#32
1,1,1-Trichloroethane
Concen: 5.637 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.7	77.5
61	47.0	35.4	53.0





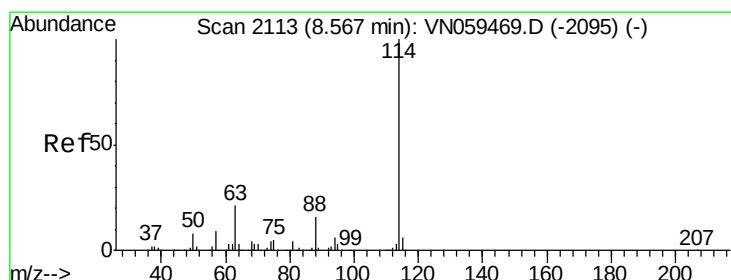
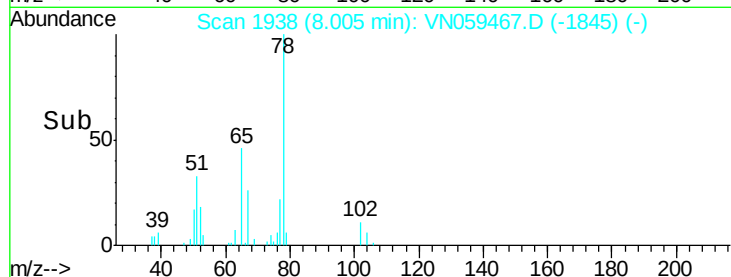
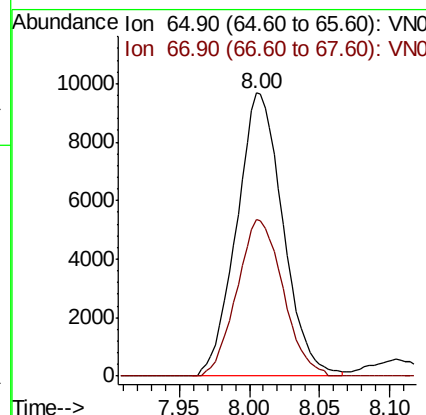
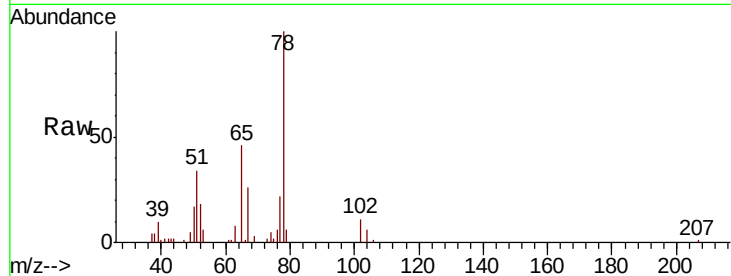
#33
 1,2-Dichloroethane-d4
 Concen: 5.255 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 22209
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.4

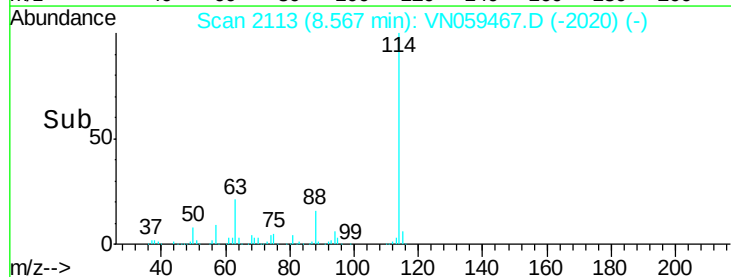
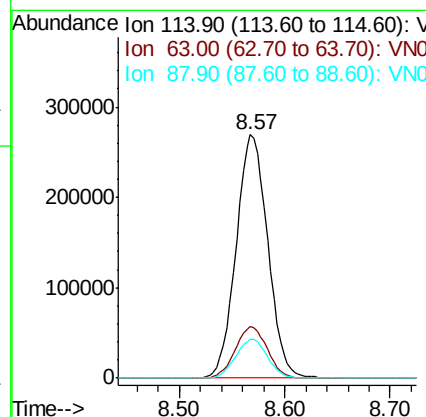
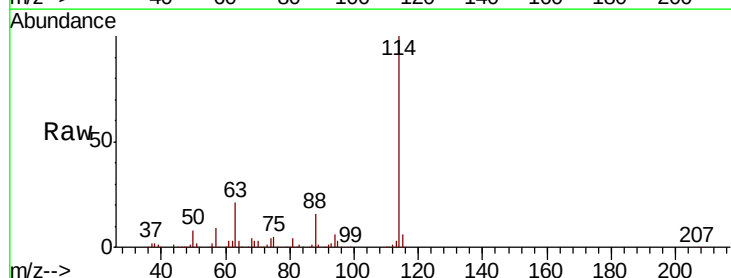
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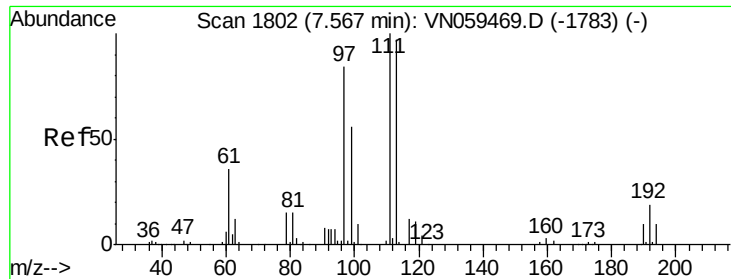
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion: 114 Resp: 559254
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 5.069 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

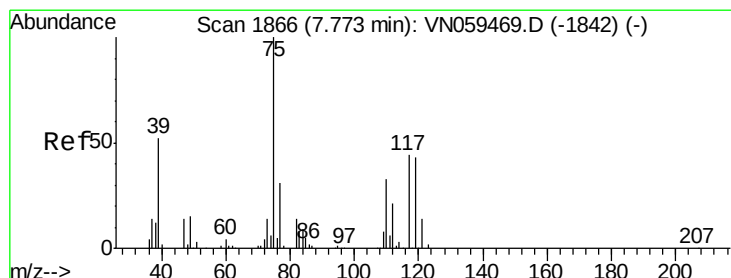
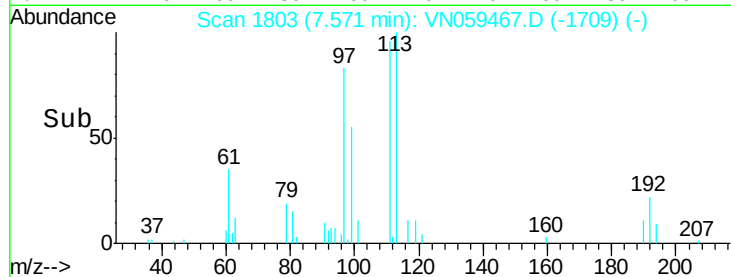
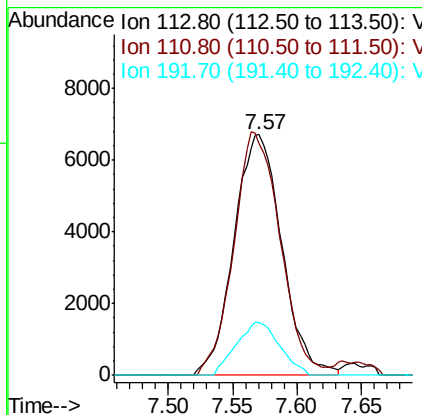
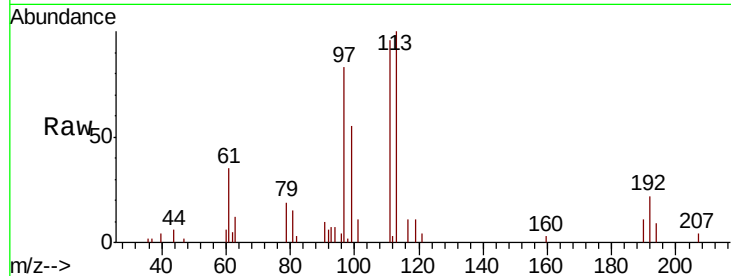
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	17353
Ion	Ratio	Lower	Upper
113	100		
111	97.6	82.5	123.7
192	19.9	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.579 ug/l

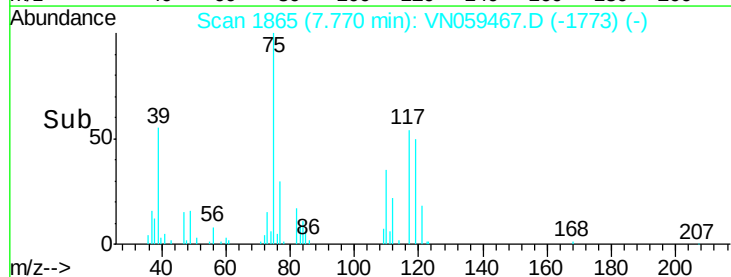
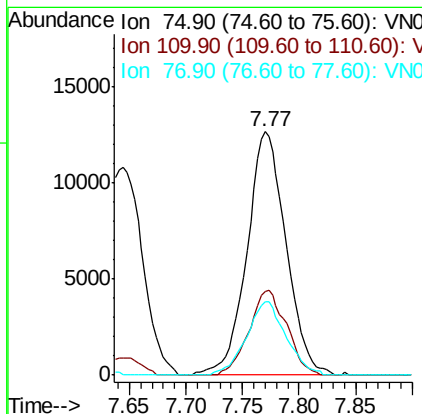
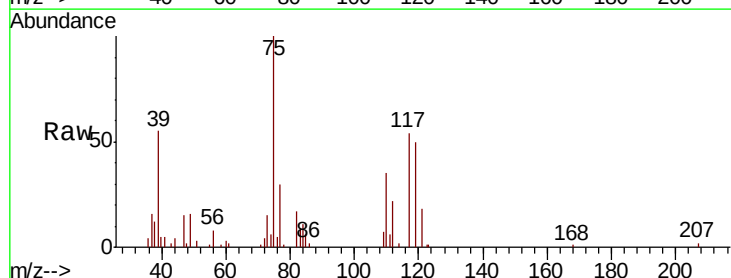
RT: 7.77 min Scan# 1865

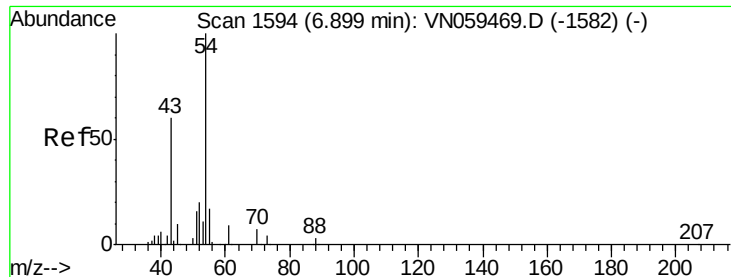
Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	75	Resp:	30344
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.7
77	30.5	25.1	37.7





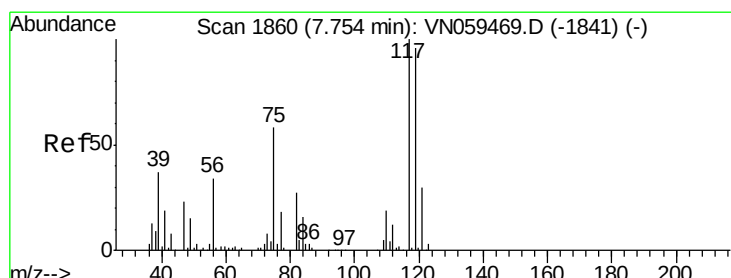
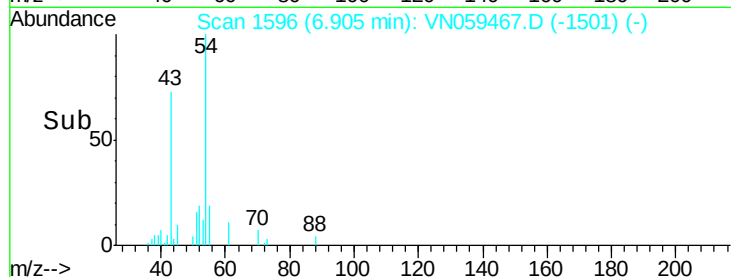
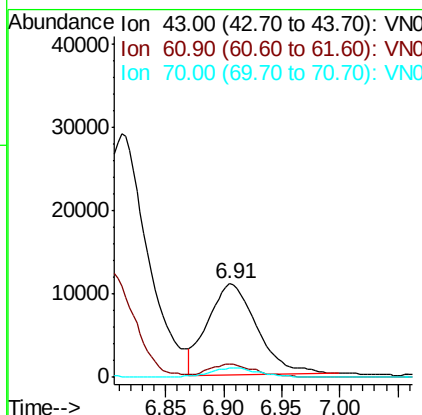
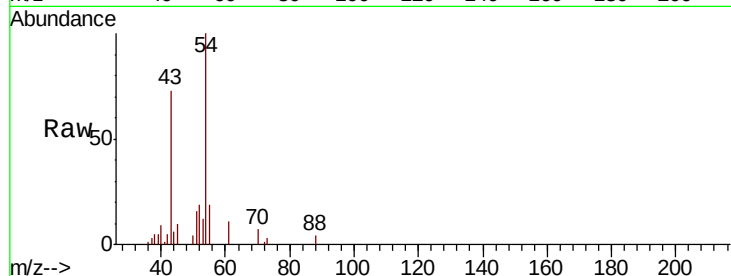
#37
Ethyl Acetate
Concen: 5.562 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	10.2	8.3	12.5

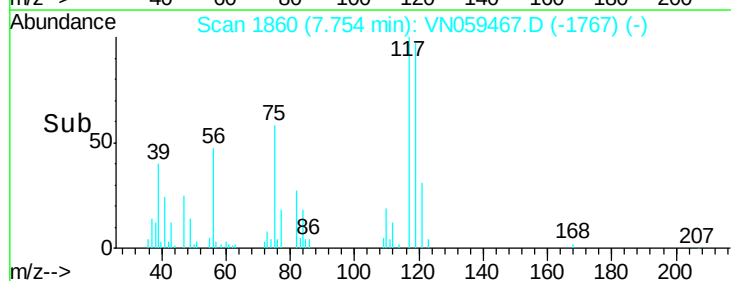
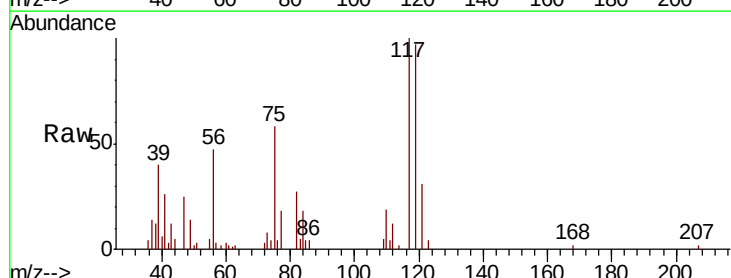
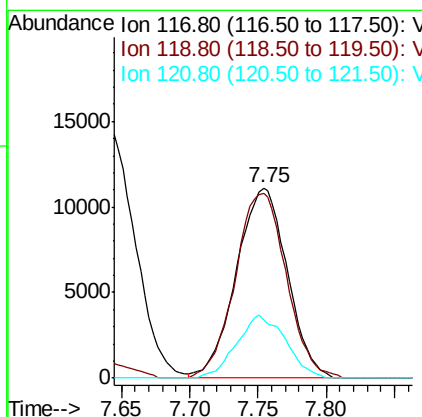
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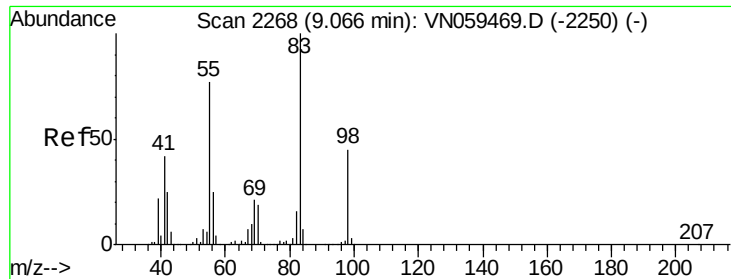
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#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	114.8
121	30.8	24.0	36.0





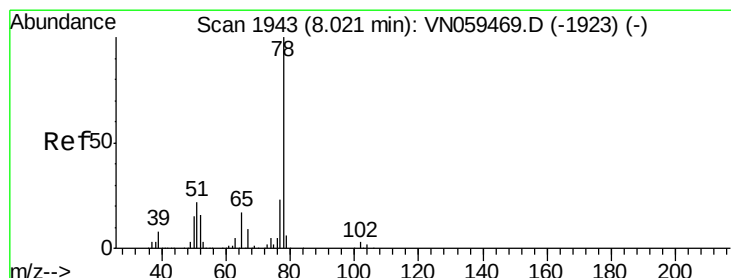
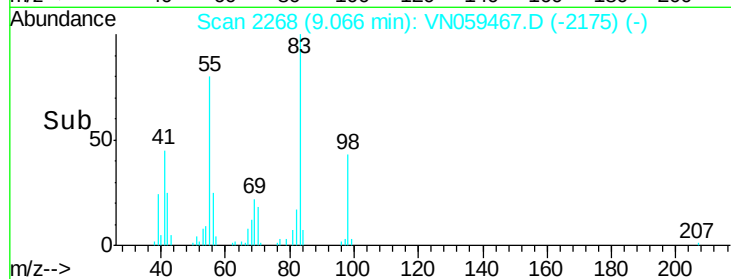
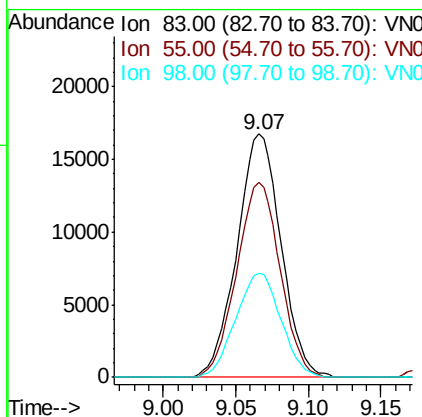
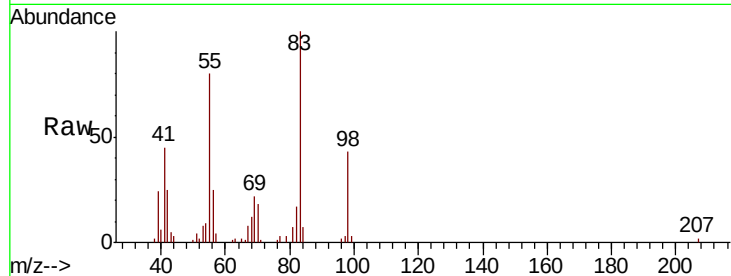
#39
Methylvlcyclohexane
Concen: 5.448 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp	35476
Ion Ratio	100	Lower	Upper
83	100		
55	80.0	61.8	92.6
98	42.8	36.2	54.2

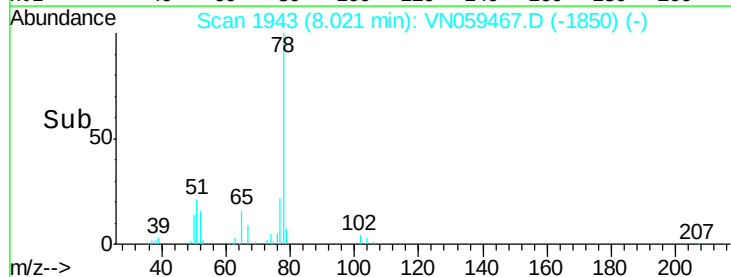
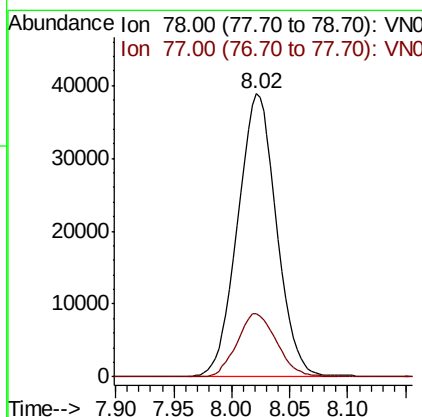
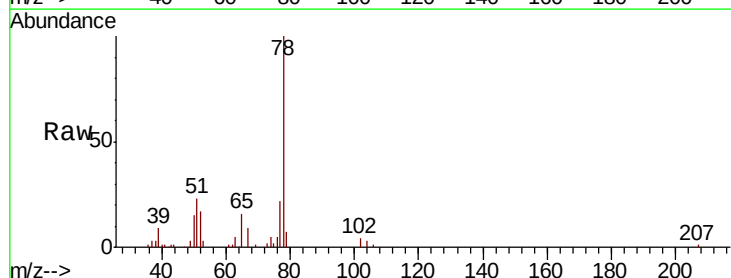
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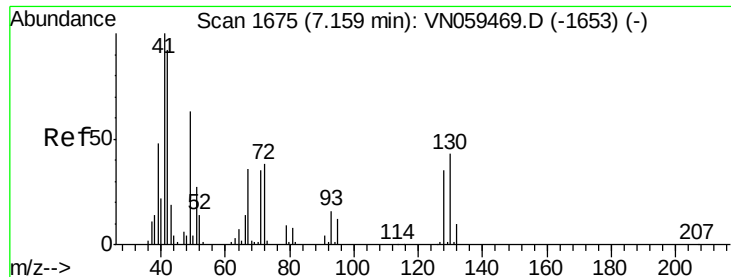
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#40
Benzene
Concen: 5.600 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	78.00	Resp	90568
Ion Ratio	100	Lower	Upper
78	100		
77	22.3	18.2	27.2





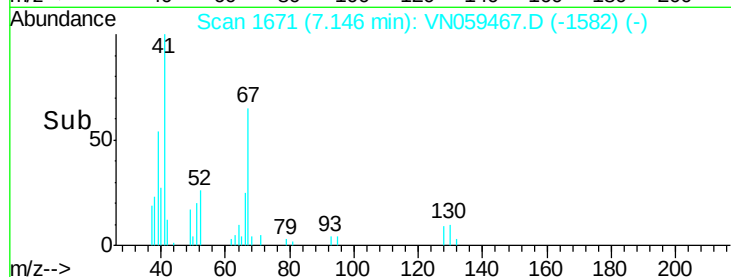
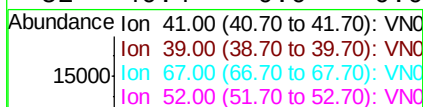
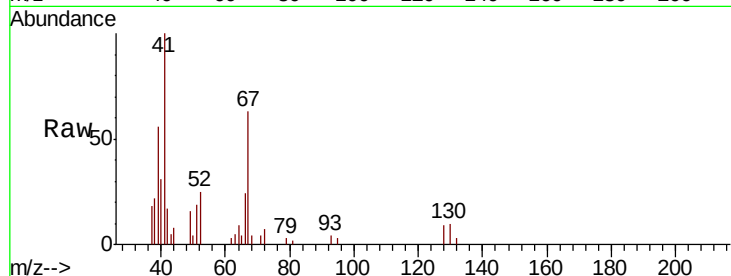
#41
Methacrylonitrile
Concen: 4.235 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

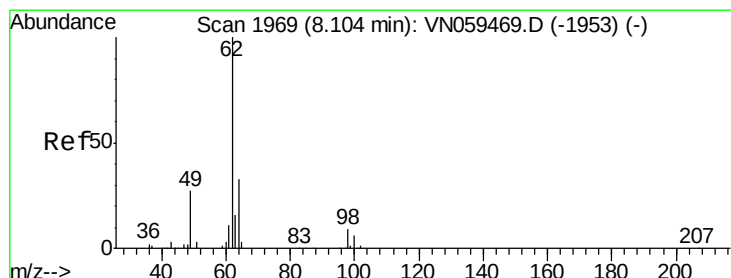
Tot Ion	41	Resp	11528
Ion Ratio	Lower	Upper	
41	100		
39	67.9	0.0	0.0#
67	103.1	0.0	0.0#
52	40.4	0.0	0.0#

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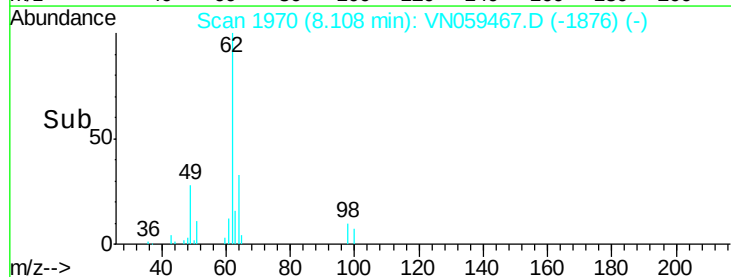
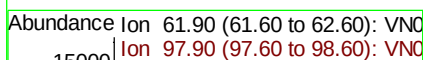
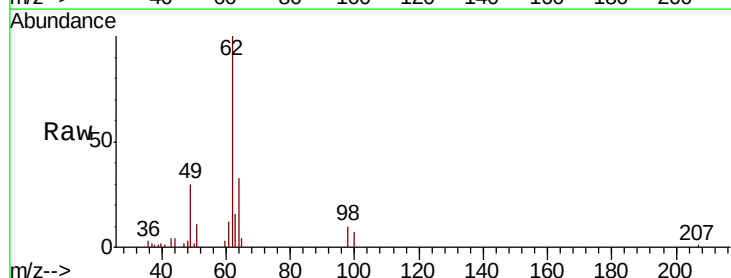


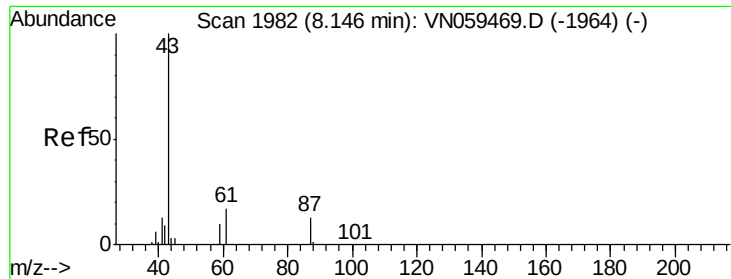
Time-->



#42
1,2-Dichloroethane
Concen: 6.015 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	62	Resp	31081
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	17.8





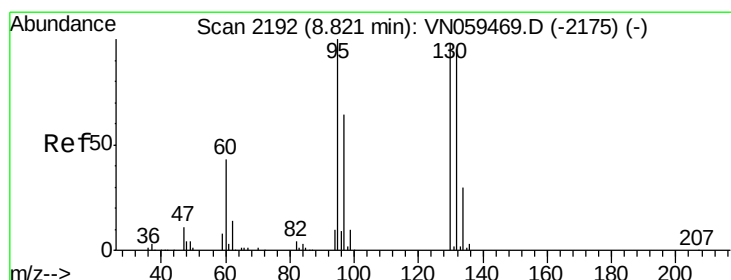
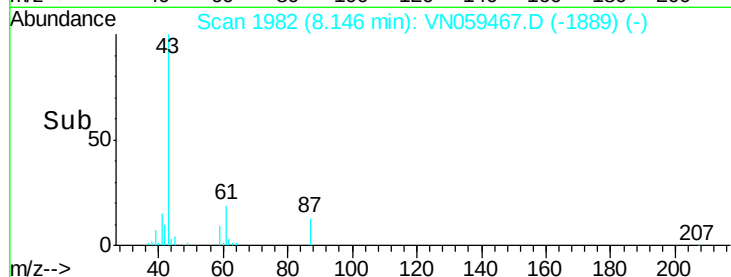
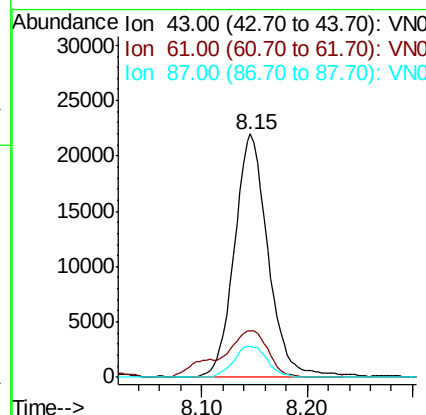
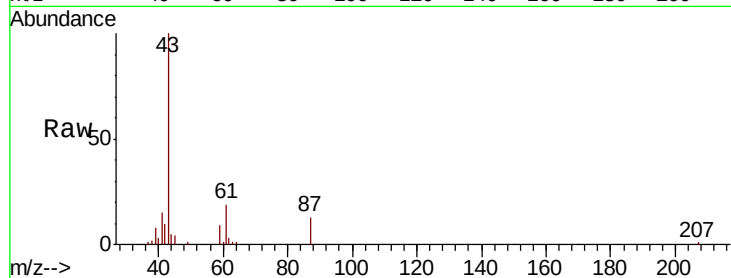
#43
Isopropyl Acetate
Concen: 5.488 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	21.0	31.6
87	12.7	10.4	15.6

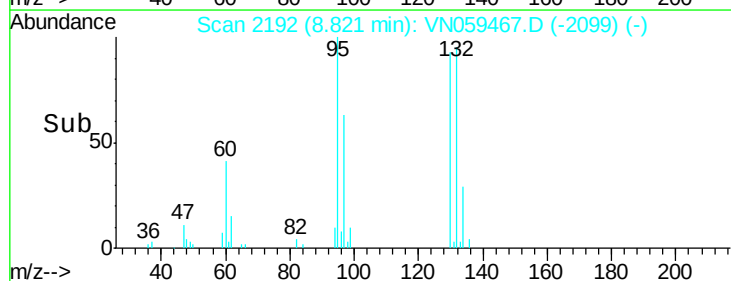
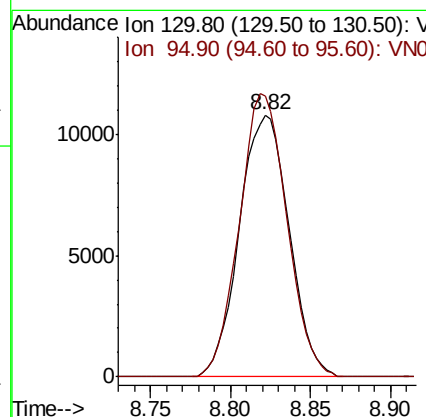
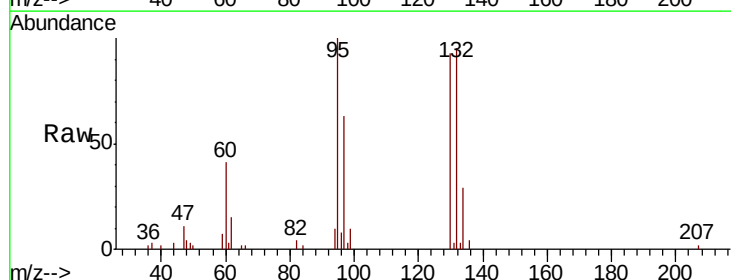
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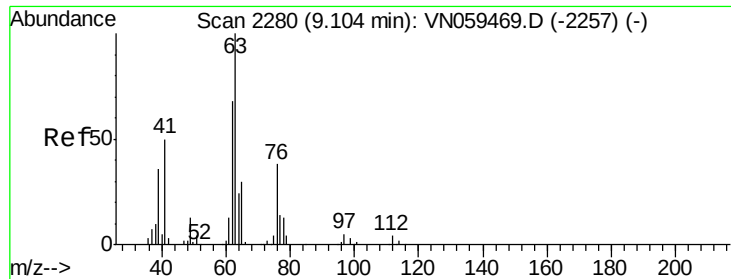
apatel
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#44
Trichloroethene
Concen: 5.578 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	203.6





#45

1,2-Dichloropropane

Concen: 5.789 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 24494

Ion Ratio Lower Upper

63 100

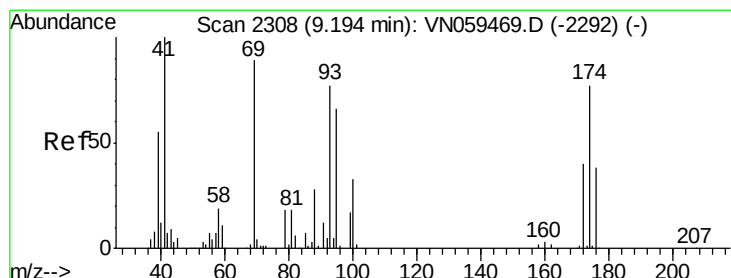
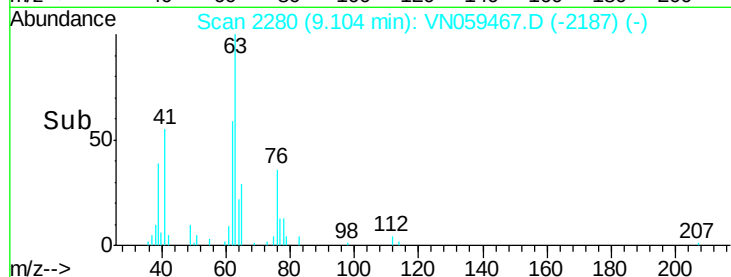
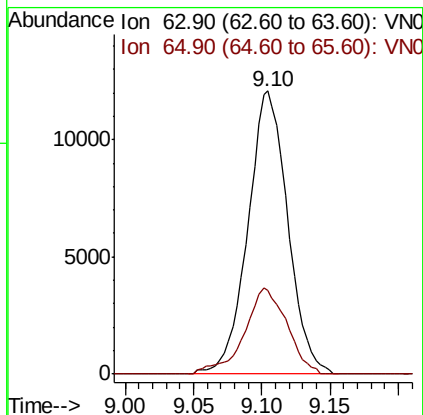
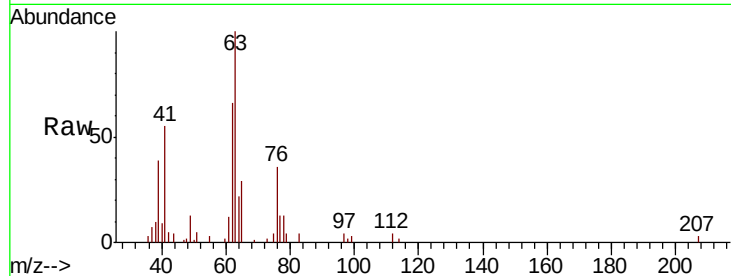
65 29.5 24.4 36.6

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#46

Dibromomethane

Concen: 5.624 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

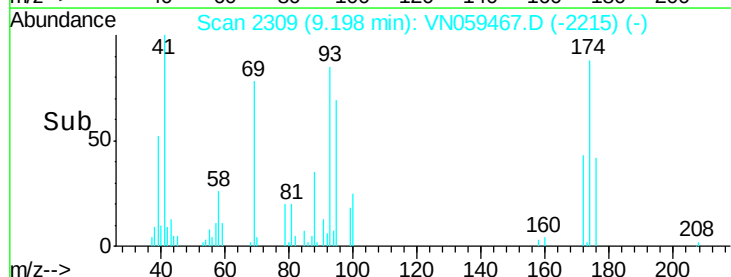
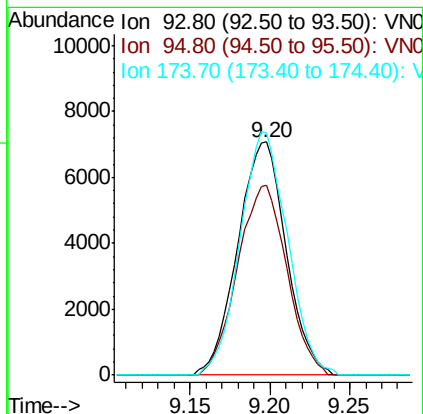
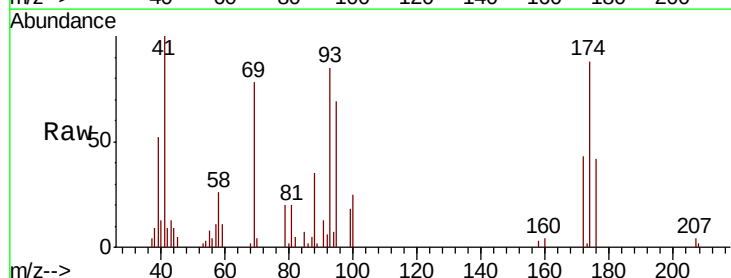
Tgt Ion: 93 Resp: 14709

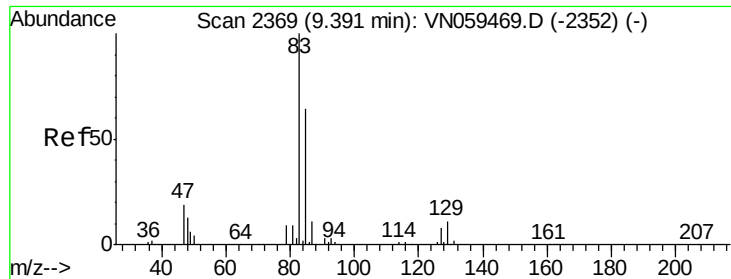
Ion Ratio Lower Upper

93 100

95 82.4 67.0 100.6

174 102.0 79.6 119.4





#47

Bromodichloromethane

Concen: 5.548 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

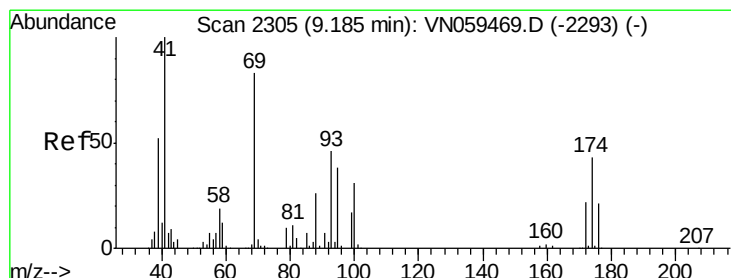
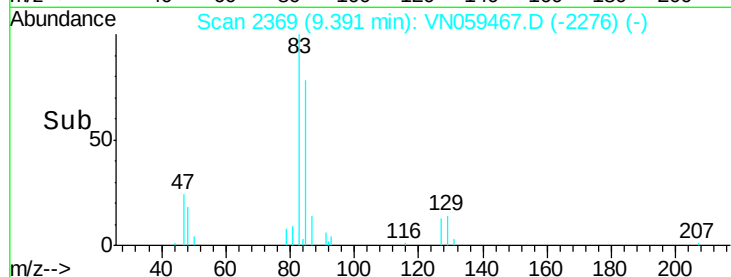
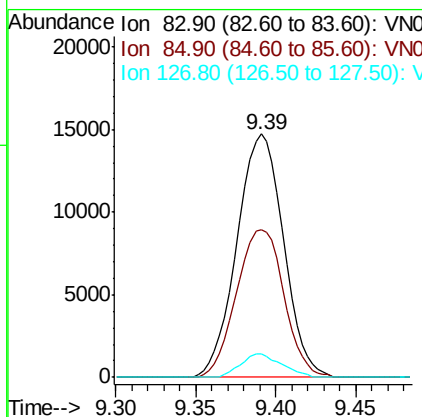
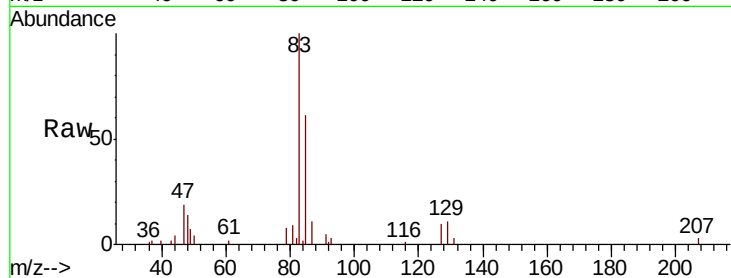
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29356
Ion Ratio	Lower	Upper	
83	100		
85	60.7	51.0	76.6
127	9.9	6.6	9.8#

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#48

Methyl methacrylate

Concen: 5.482 ug/l

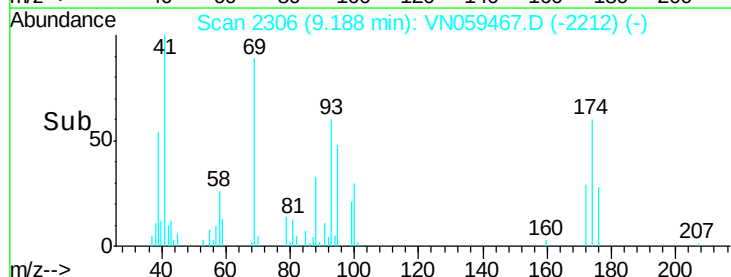
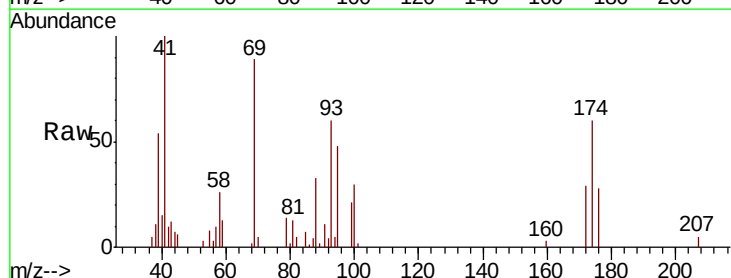
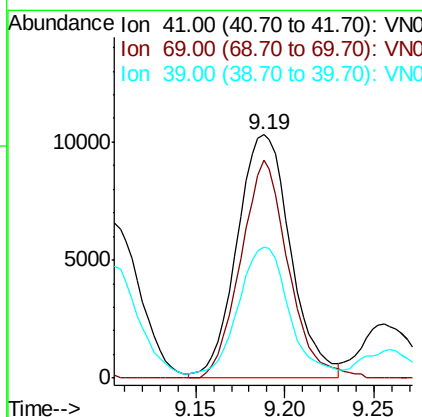
RT: 9.19 min Scan# 2306

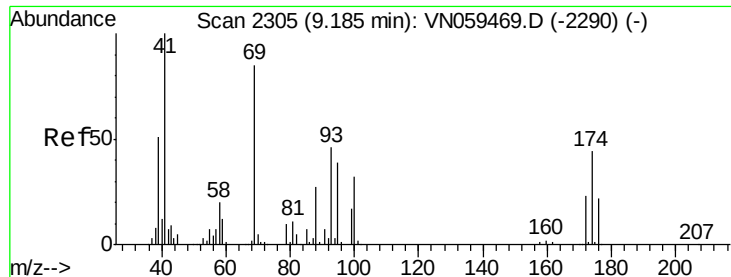
Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	41	Resp:	21620
Ion Ratio	Lower	Upper	
41	100		
69	79.7	68.6	103.0
39	52.1	43.2	64.8





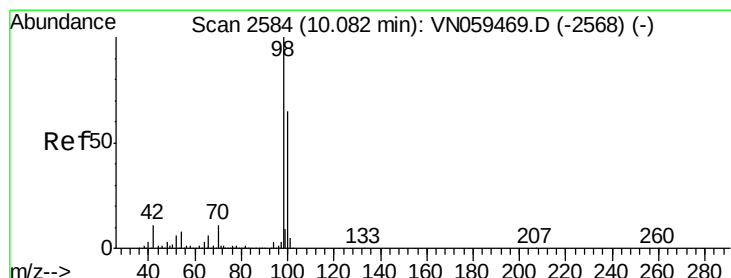
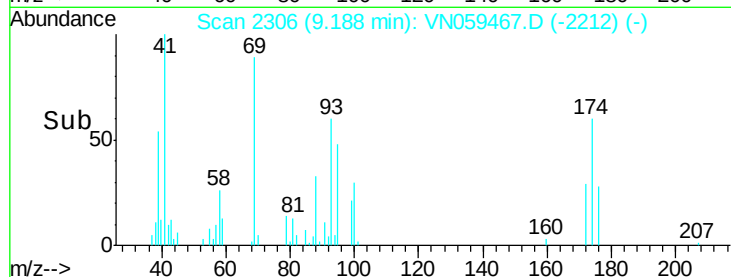
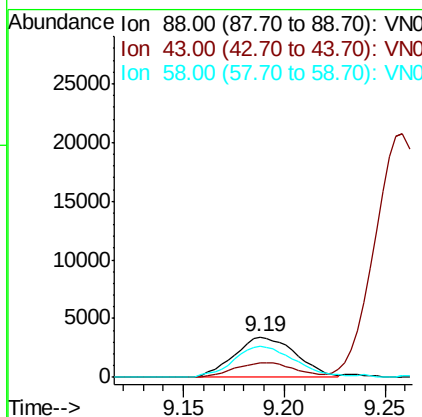
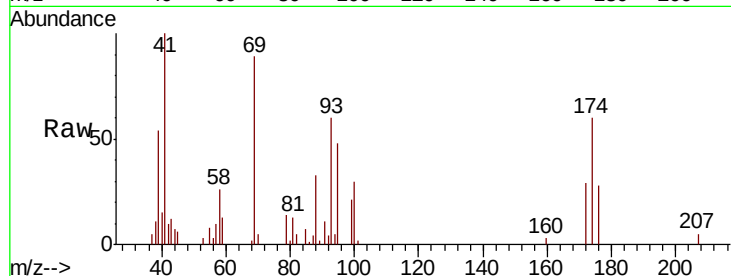
#49
1,4-Dioxane
Concen: 129.982 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.1	40.7
58	77.0	57.8	86.6

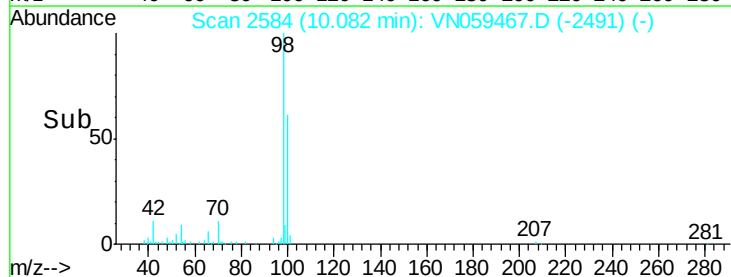
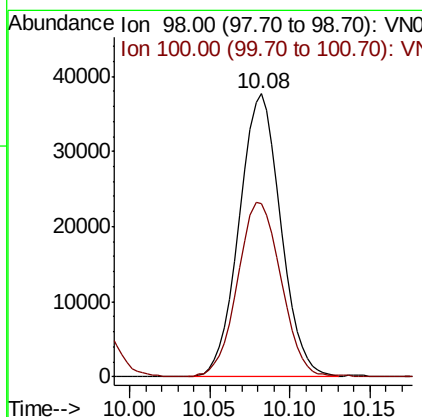
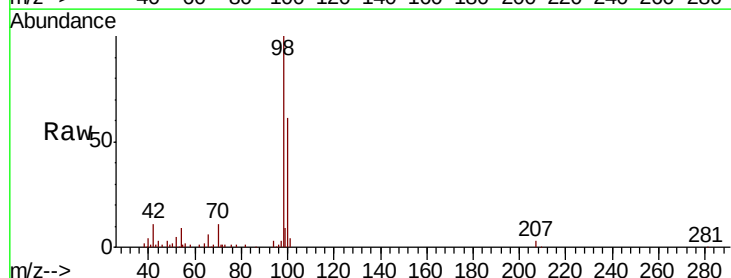
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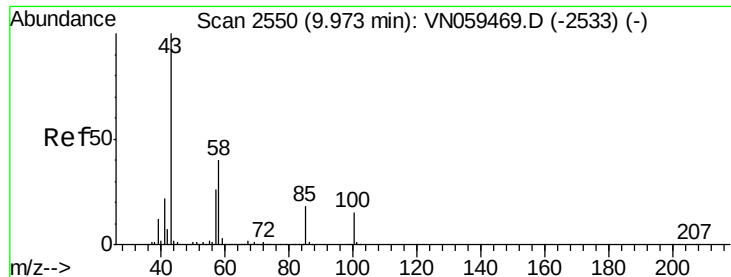
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#50
Toluene-d8
Concen: 4.888 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 28.444 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 147394

Ion Ratio Lower Upper

43 100

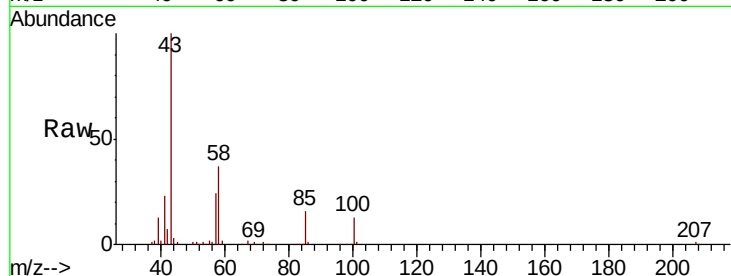
58 37.6 32.1 48.1

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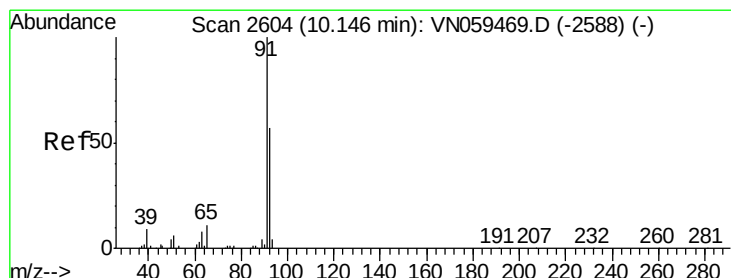
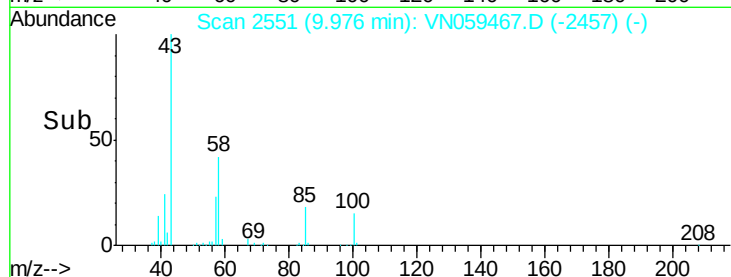
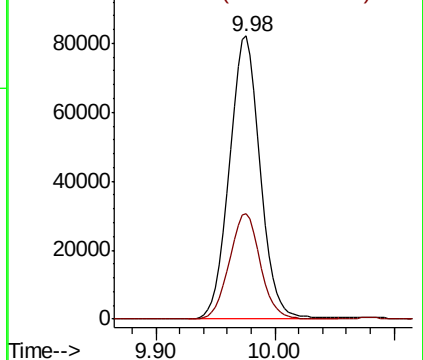
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.506 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059467.D

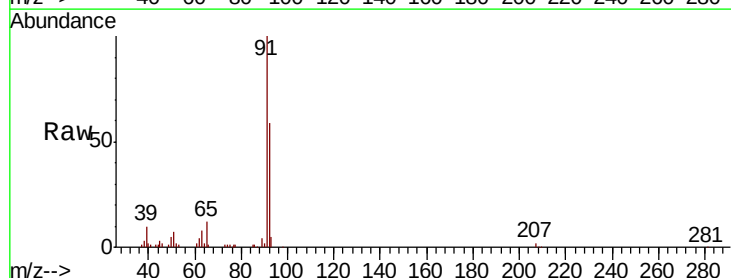
Acq: 3 Dec 2019 13:41

Tgt Ion: 92 Resp: 53256

Ion Ratio Lower Upper

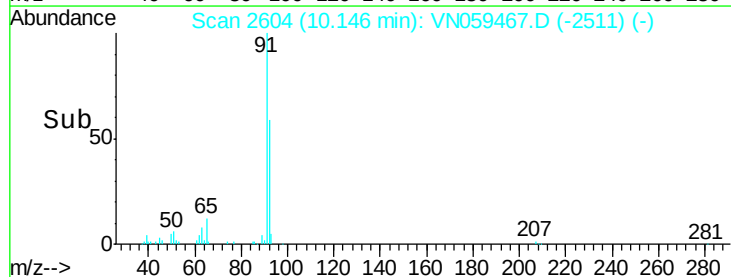
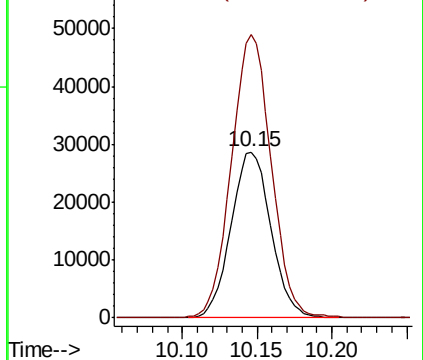
92 100

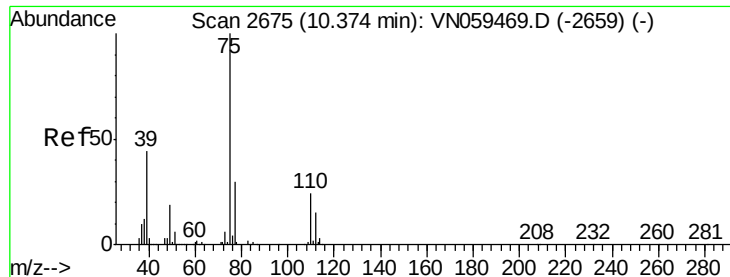
91 170.3 138.6 208.0



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: 5.417 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 32970

Ion Ratio Lower Upper

75 100

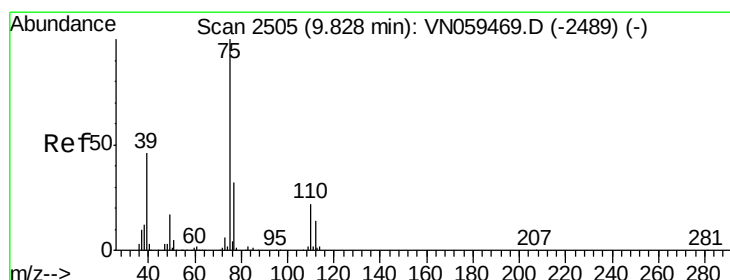
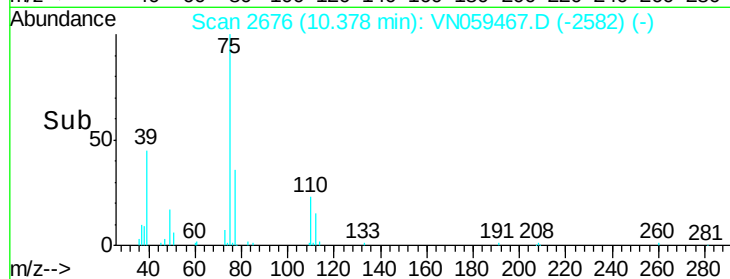
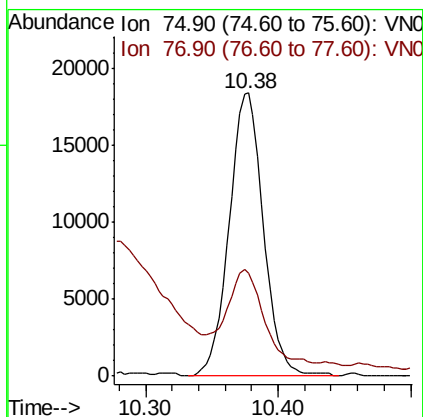
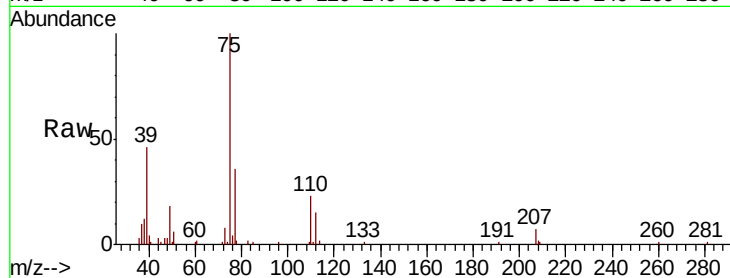
77 32.1 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 5.429 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

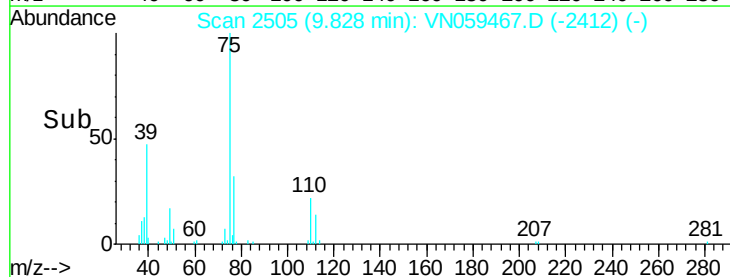
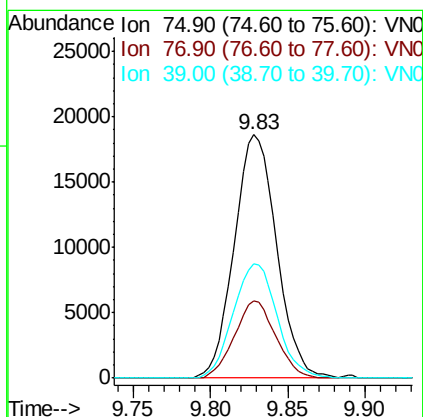
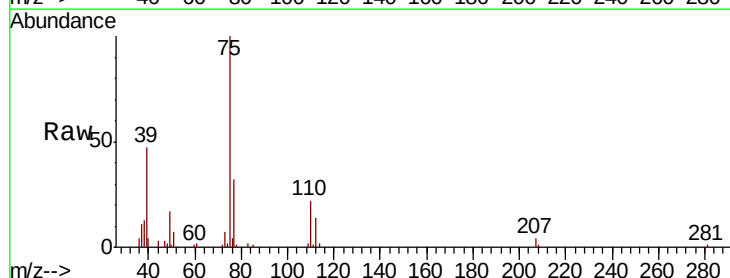
Tgt Ion: 75 Resp: 35537

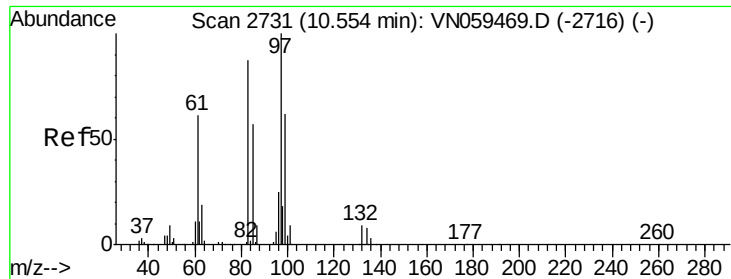
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 46.9 36.6 54.8





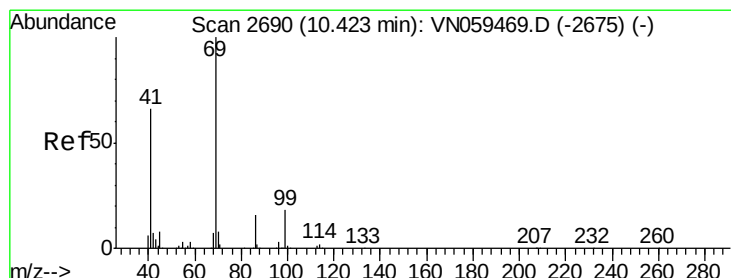
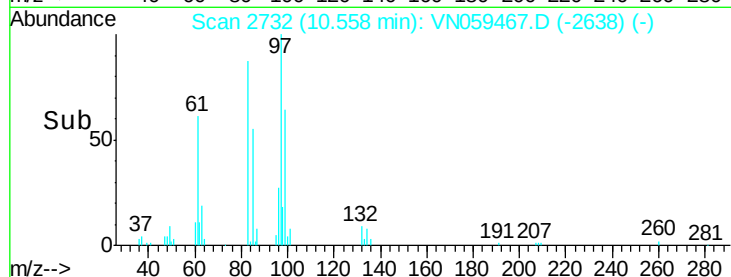
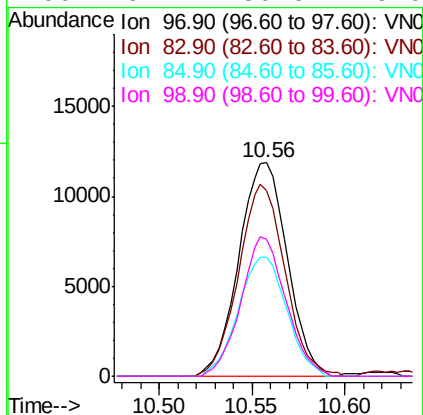
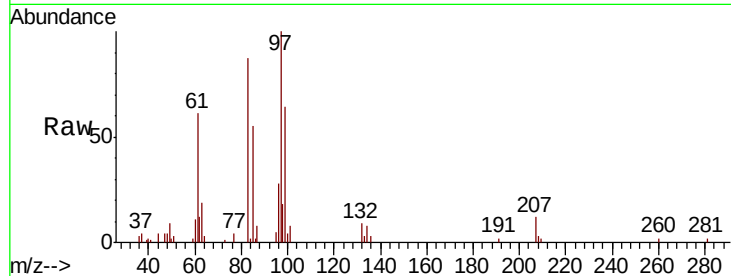
#55
 1,1,2-Trichloroethane
 Concen: 5.663 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	21528
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.8	104.8
85	55.5	45.5	68.3
99	64.2	50.0	75.0

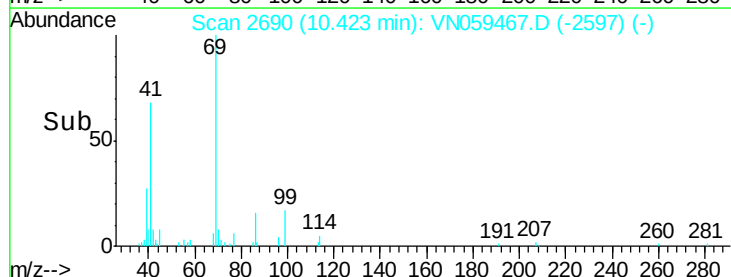
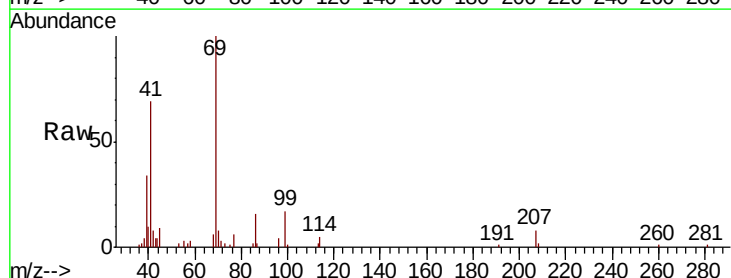
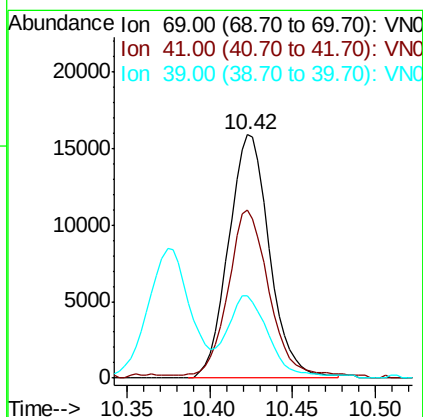
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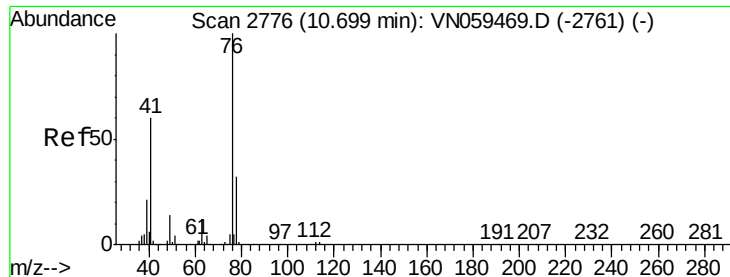
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#56
 Ethyl methacrylate
 Concen: 4.906 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion:	69	Resp:	27237
Ion	Ratio	Lower	Upper
69	100		
41	71.1	52.7	79.1
39	35.6	25.0	37.6





#57

1,3-Dichloropropane

Concen: 5.562 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 36410

Ion Ratio Lower Upper

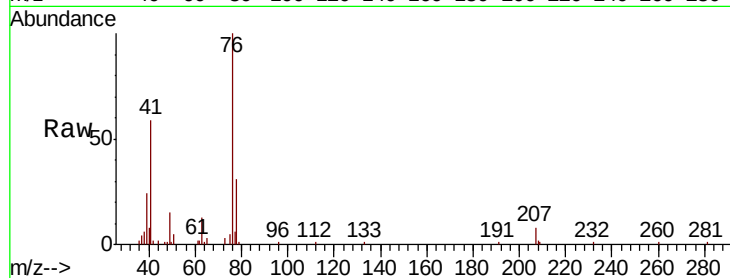
76 100

78 32.6 25.8 38.8

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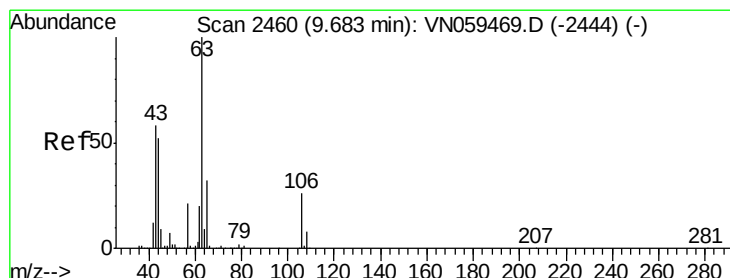
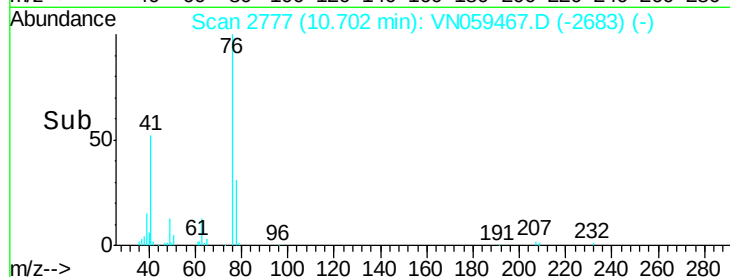
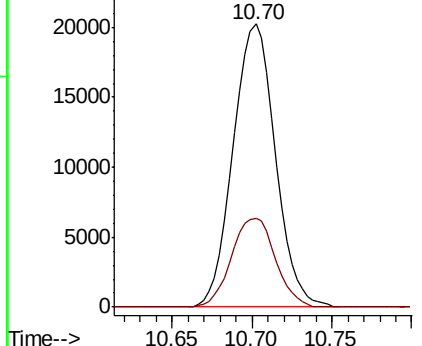
apatel

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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: 23.724 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059467.D

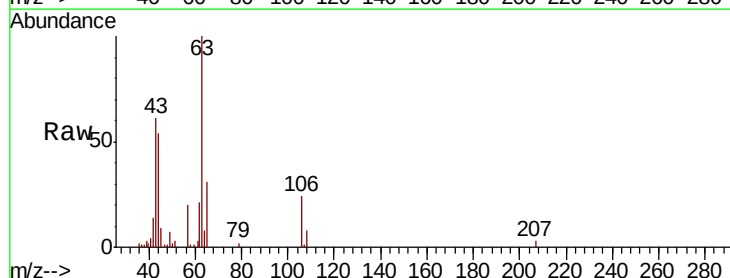
Acq: 3 Dec 2019 13:41

Tgt Ion: 63 Resp: 37972

Ion Ratio Lower Upper

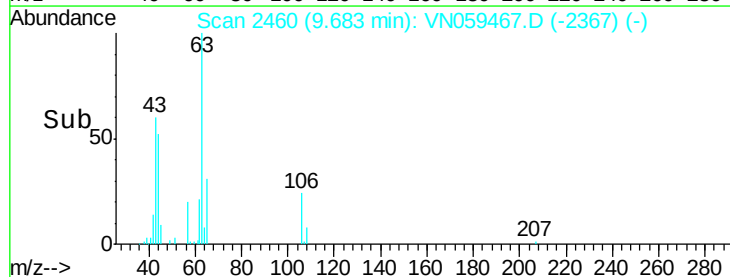
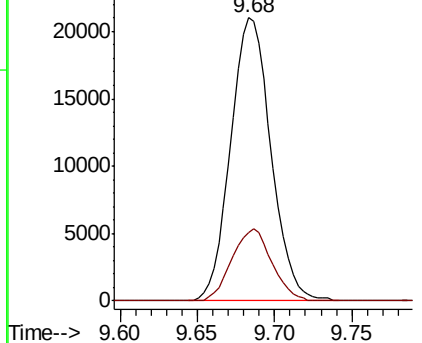
63 100

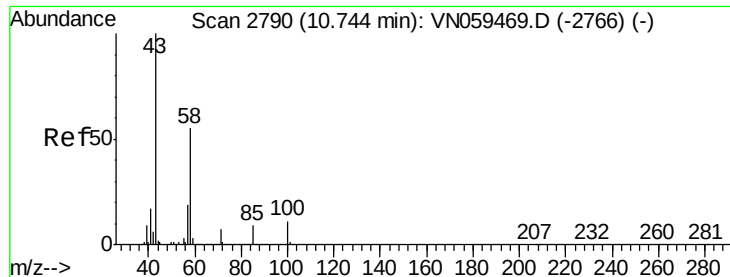
106 25.0 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





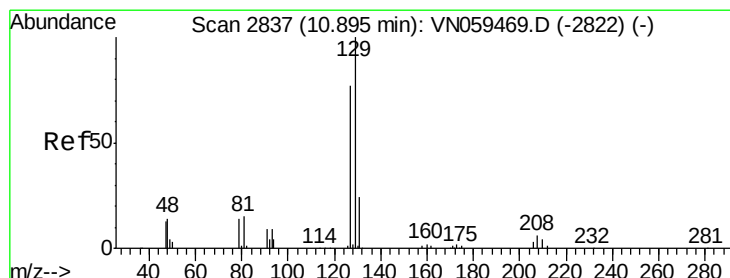
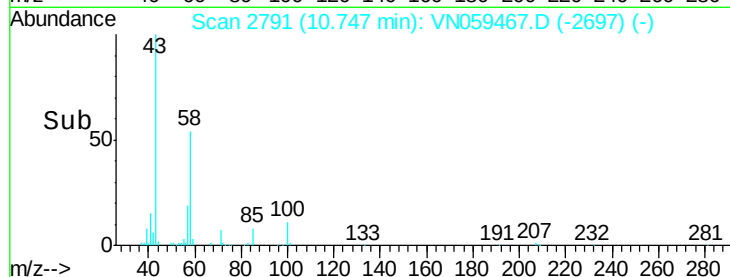
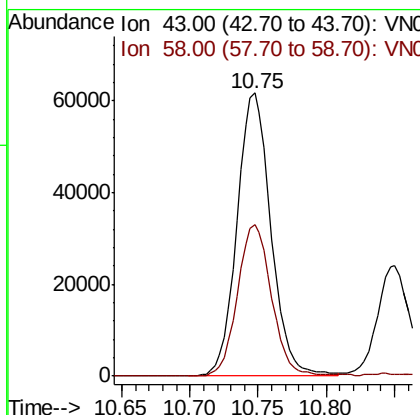
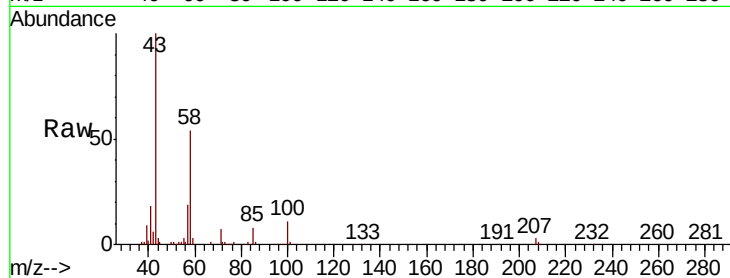
#59
2-Hexanone
Concen: 27.671 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 106598
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.0

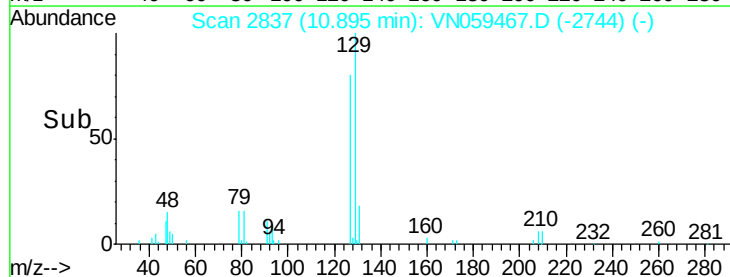
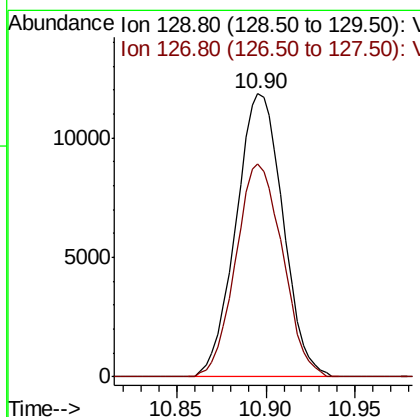
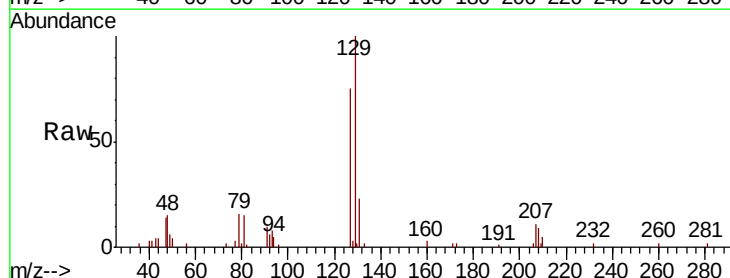
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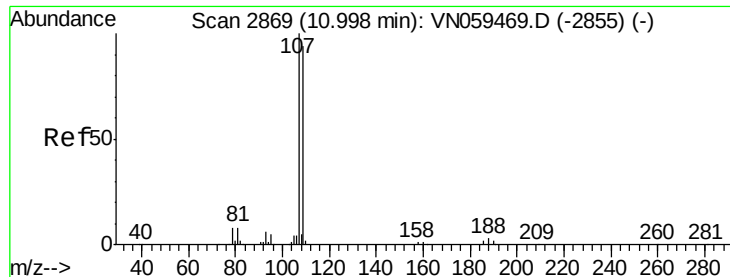
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#60
Dibromochloromethane
Concen: 5.513 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion:129 Resp: 21794
Ion Ratio Lower Upper
129 100
127 75.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 5.337 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 20789

Ion Ratio Lower Upper

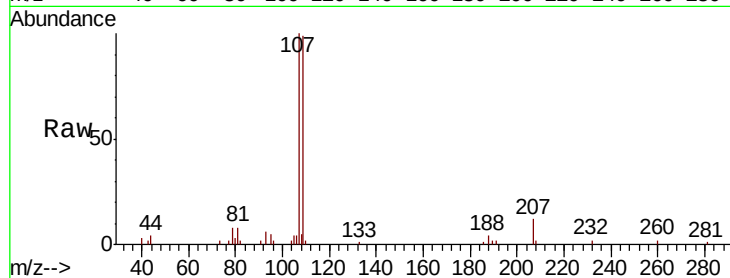
107 100

109 98.6 75.4 113.0

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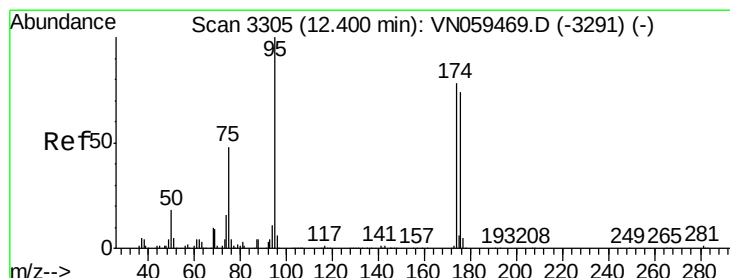
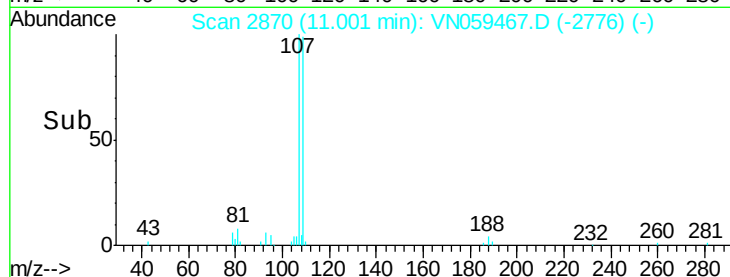
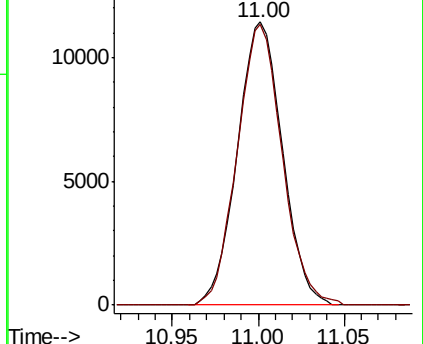
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.425 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

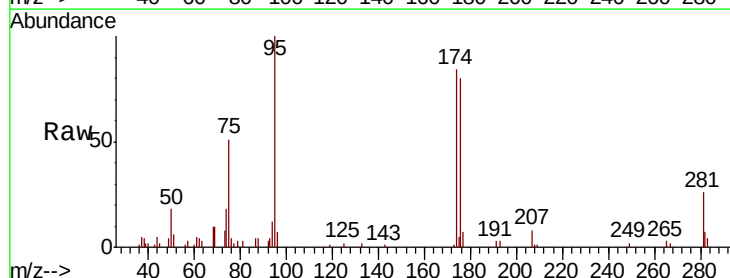
Tgt Ion: 95 Resp: 21086

Ion Ratio Lower Upper

95 100

174 84.3 0.0 157.0

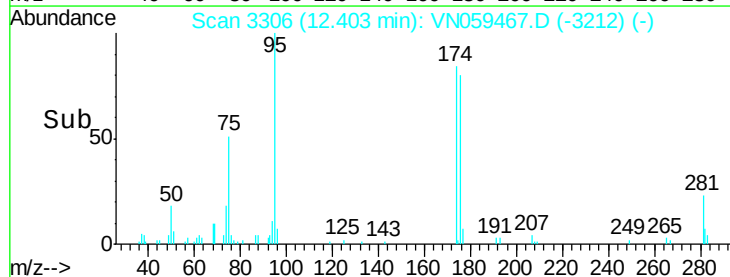
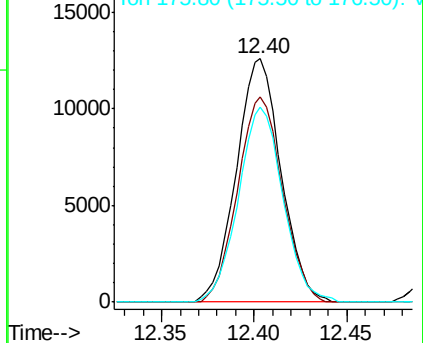
176 79.9 0.0 152.4

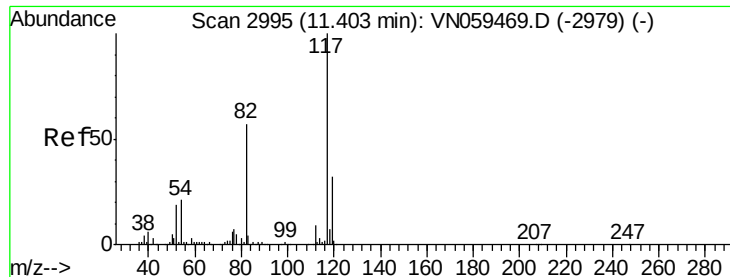


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





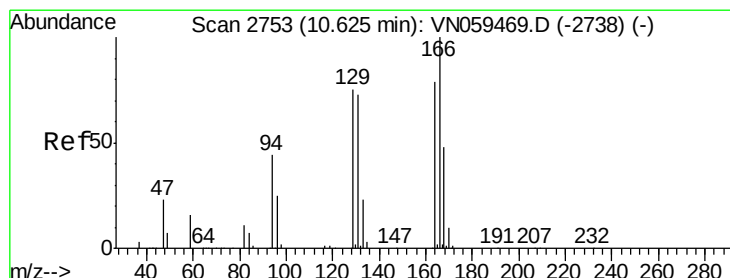
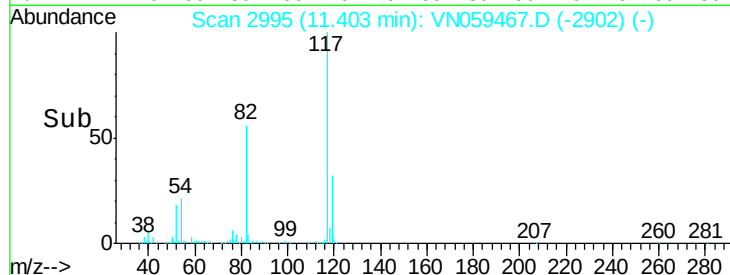
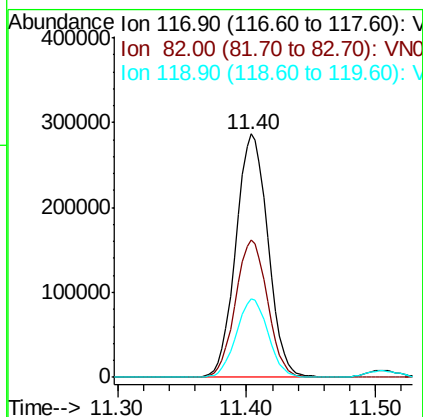
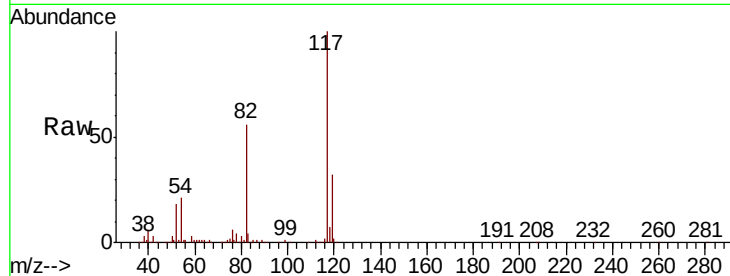
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.8	68.8
119	32.1	25.4	38.0

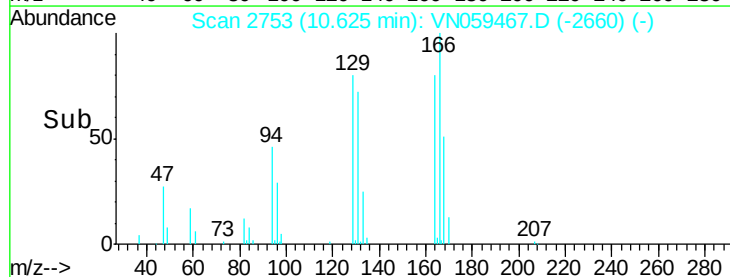
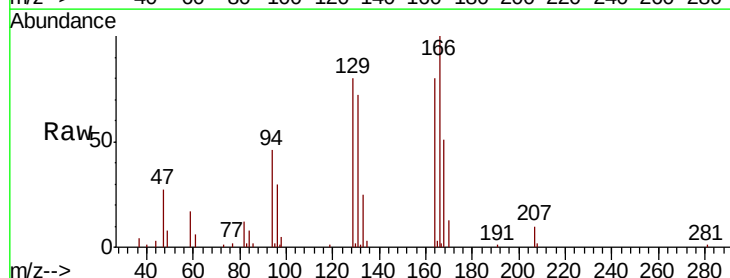
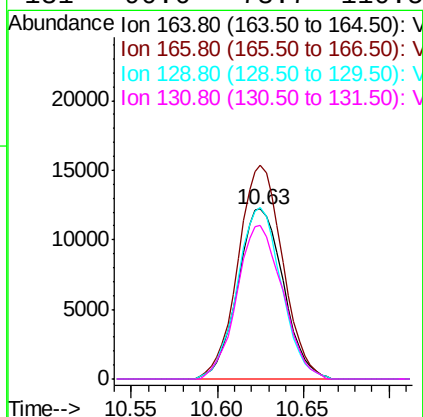
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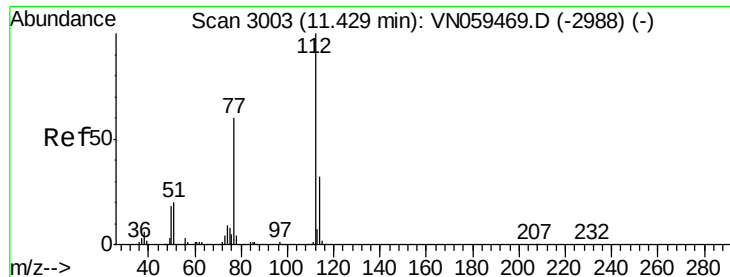
apatel
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#64
Tetrachloroethene
Concen: 6.062 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.2	151.8
129	100.6	76.1	114.1
131	90.6	73.7	110.5





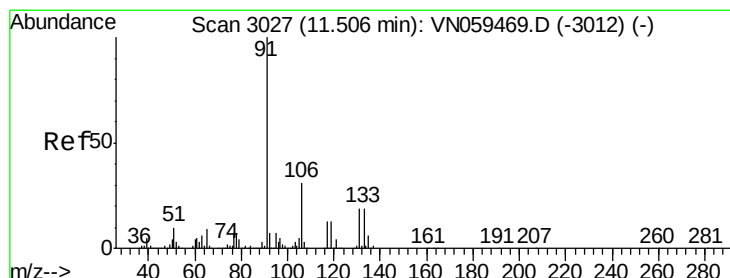
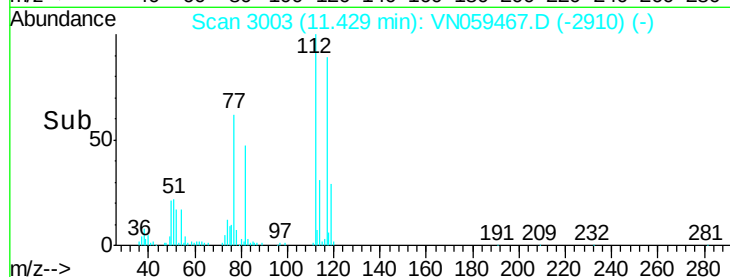
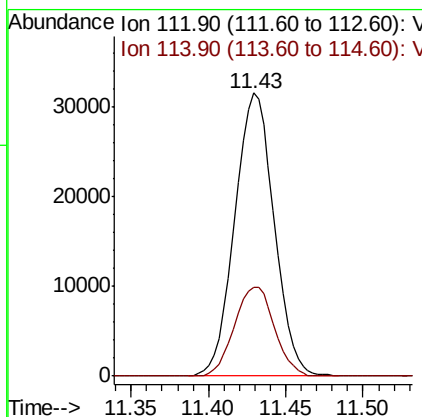
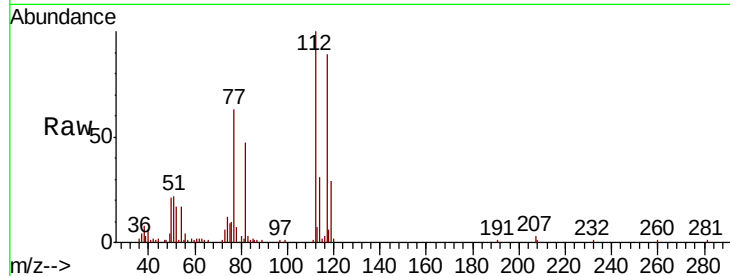
#65
Chlorobenzene
Concen: 5.484 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 55727
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

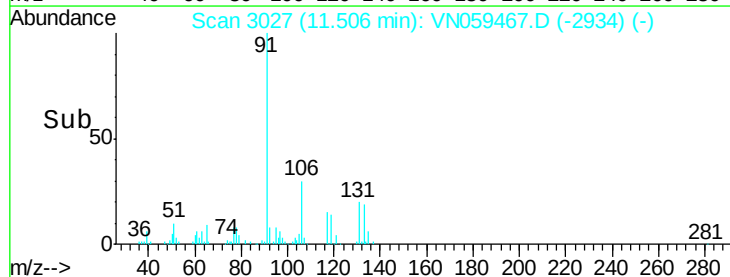
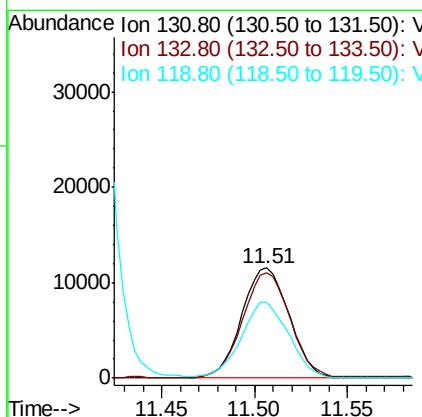
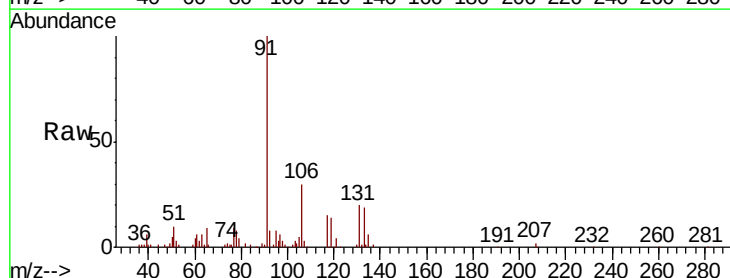
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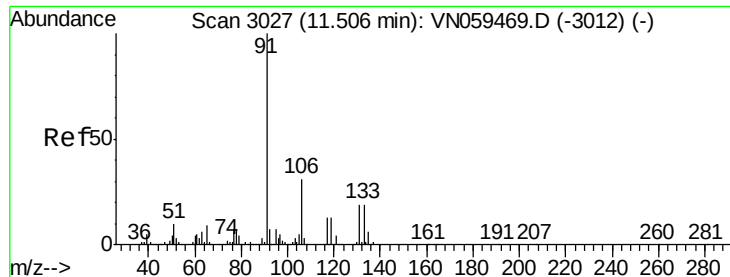
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.545 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion:131 Resp: 20458
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 69.7 33.9 101.6





#67

Ethyl Benzene

Concen: 5.475 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 97968

Ion Ratio Lower Upper

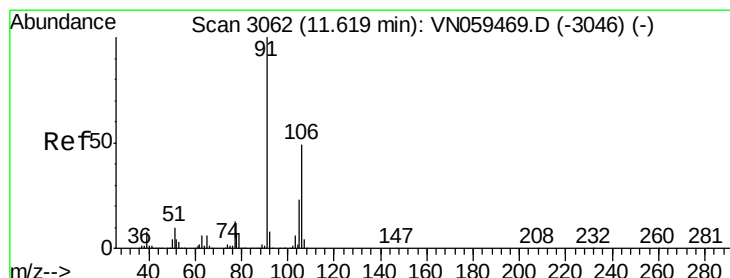
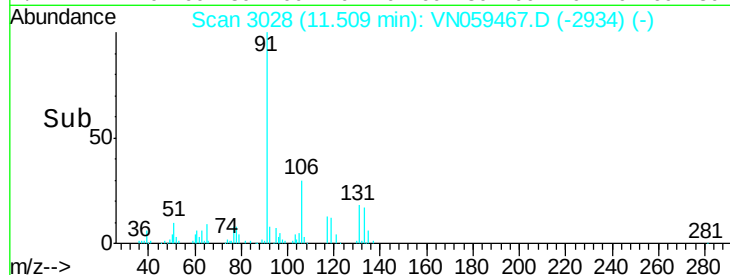
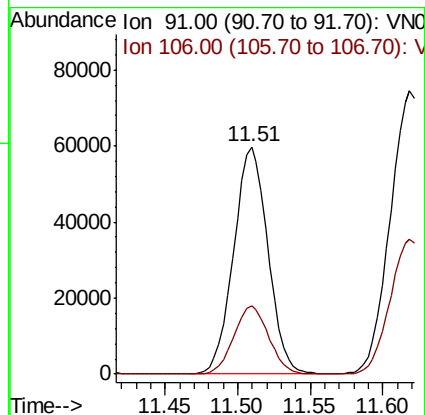
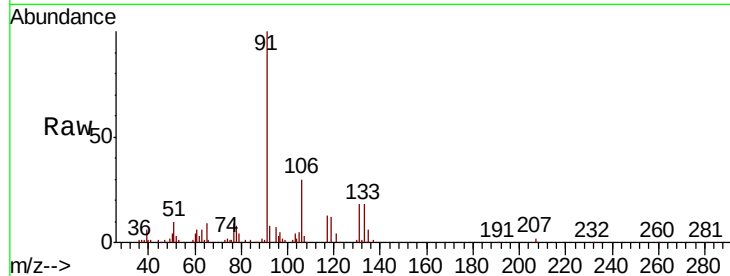
91 100

106 30.0 24.7 37.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 10.375 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059467.D

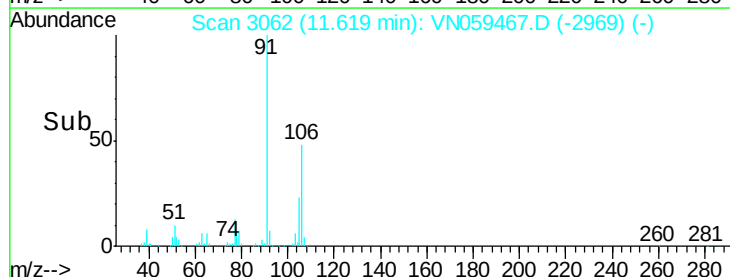
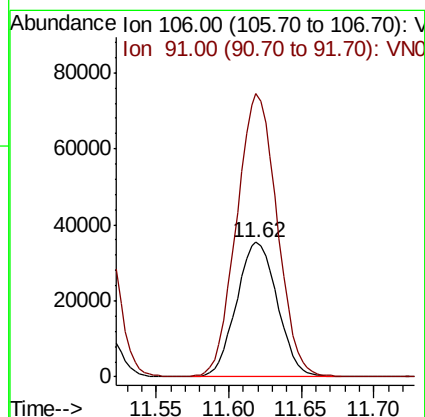
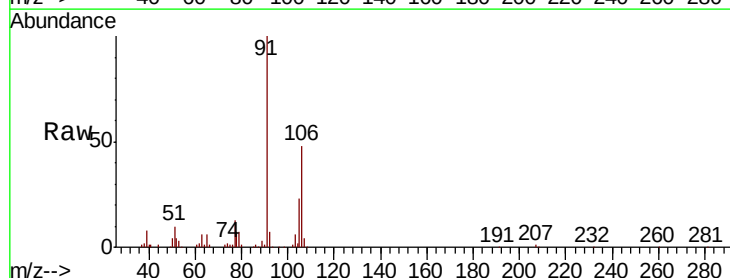
Acq: 3 Dec 2019 13:41

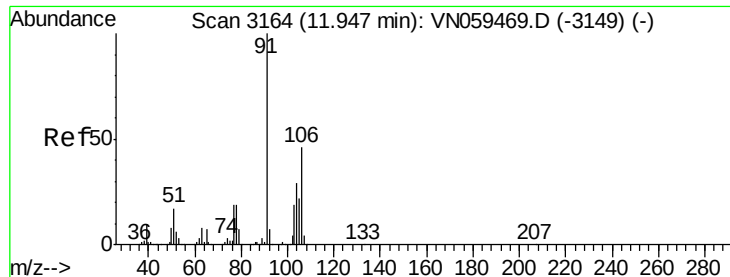
Tgt Ion: 106 Resp: 69481

Ion Ratio Lower Upper

106 100

91 208.6 162.2 243.4





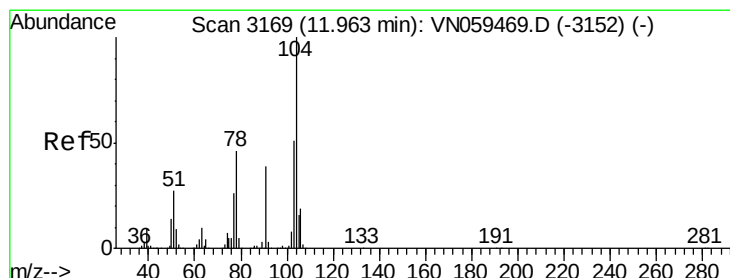
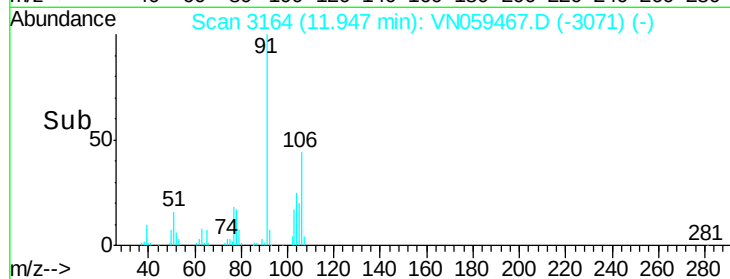
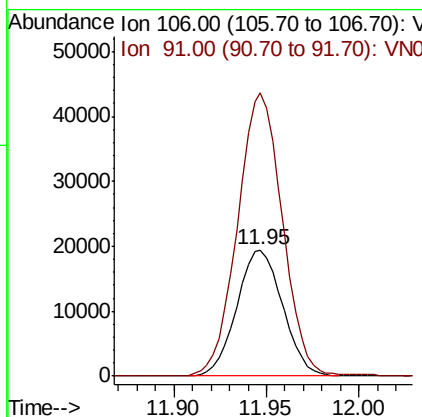
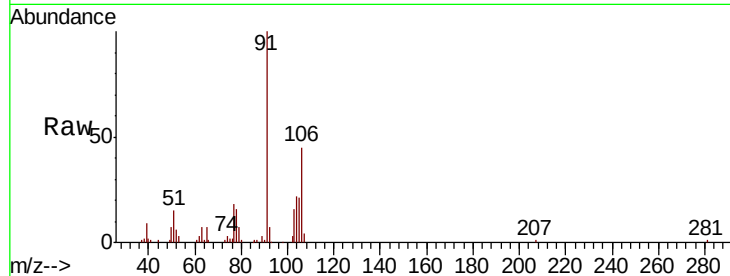
#69
o-Xylene
Concen: 5.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	220.5	108.5	325.3	

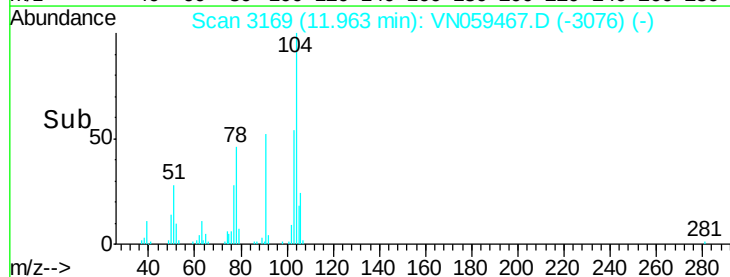
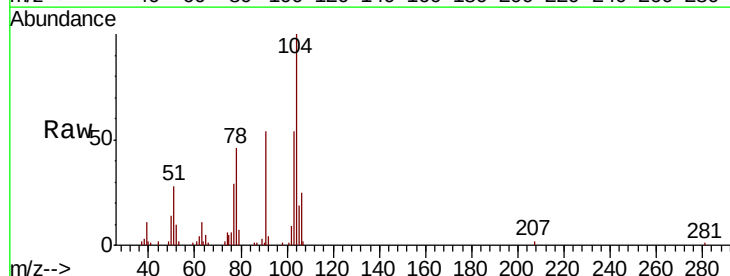
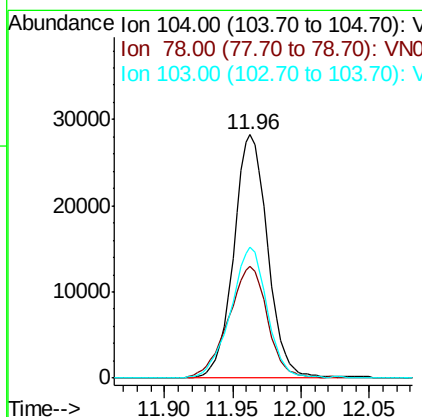
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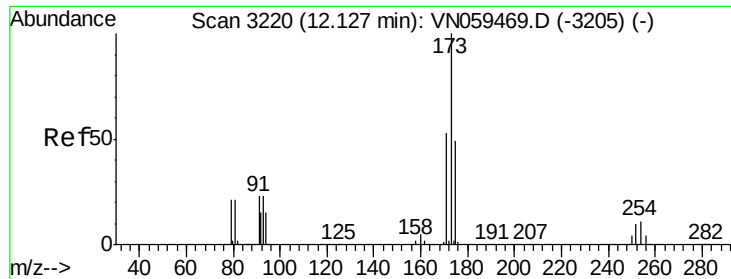
apatel
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#70
Styrene
Concen: 4.882 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	41.0	61.4	
103	57.3	44.7	67.1	





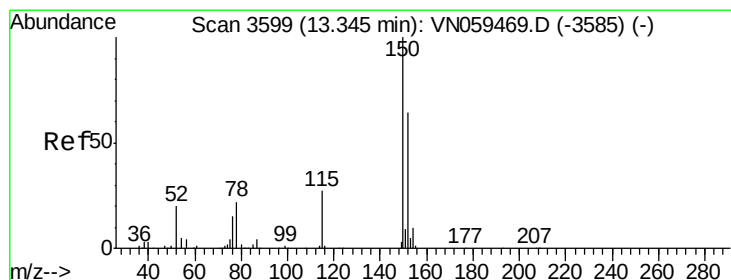
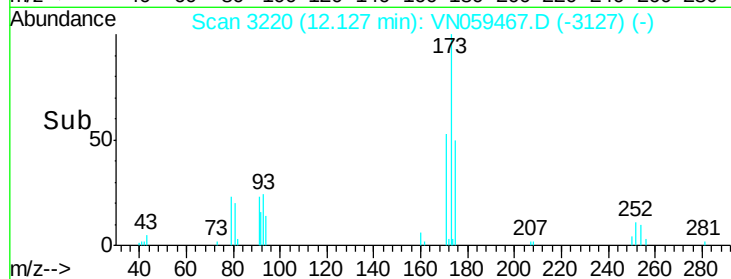
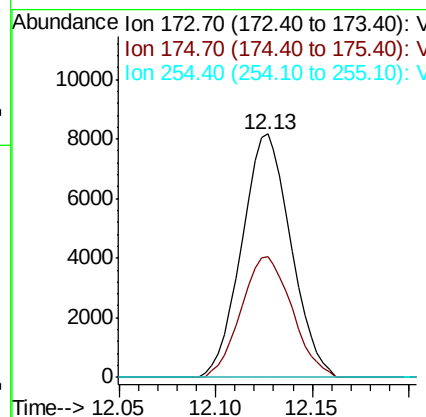
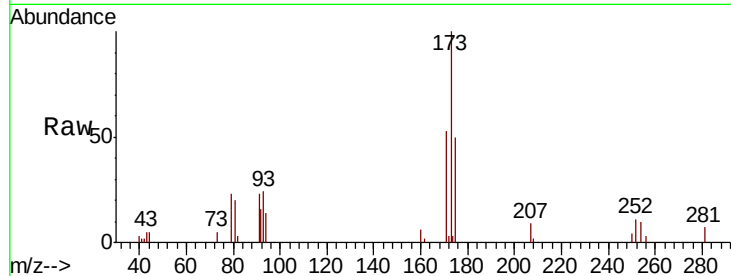
#71
Bromoform
Concen: 5.105 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.3	73.0
254	0.0	0.0	0.0

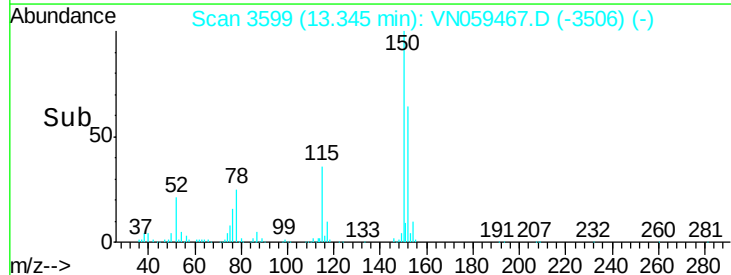
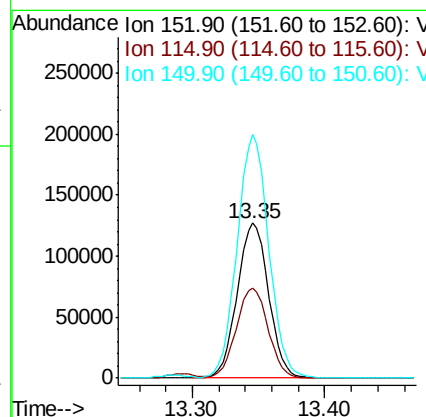
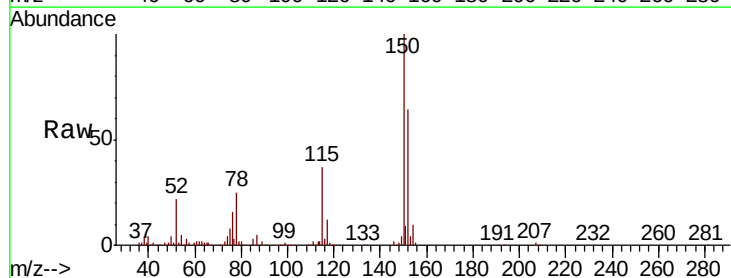
Manual Integrations
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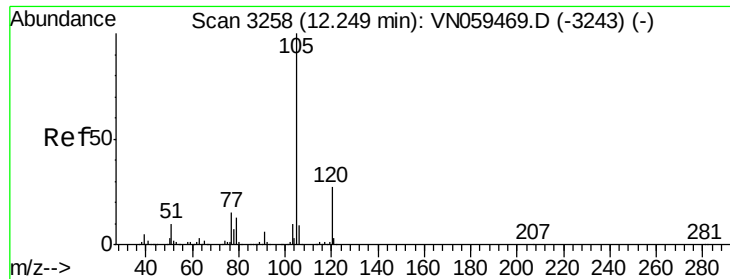
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.2	87.6
150	157.8	0.0	352.8





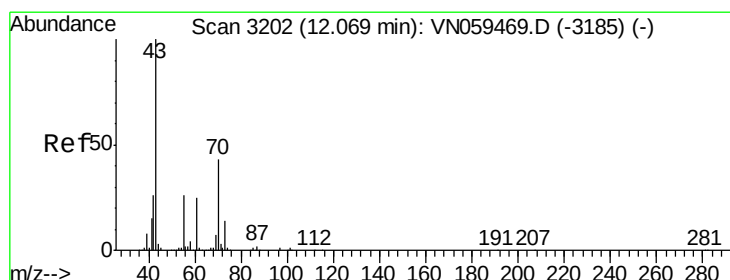
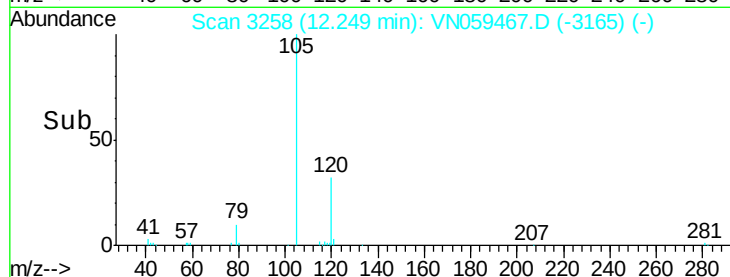
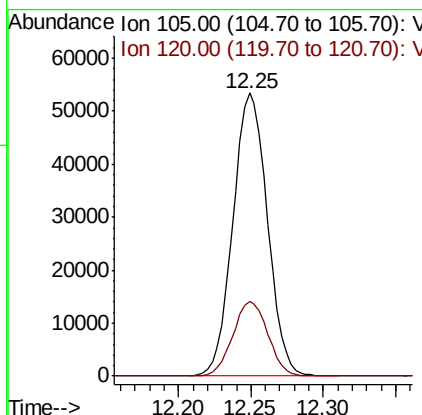
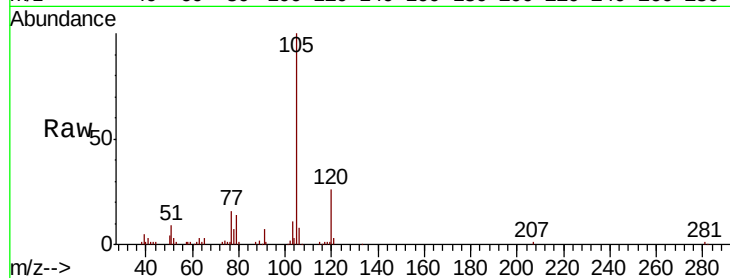
#73
Isopropylbenzene
Concen: 5.621 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

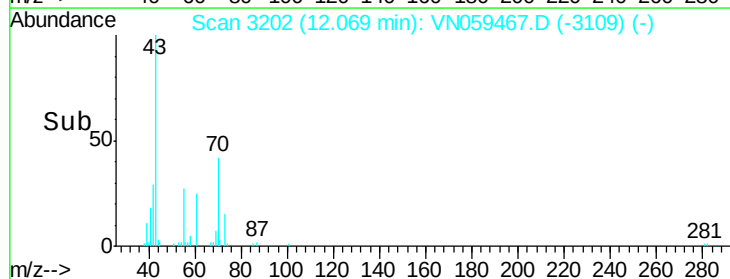
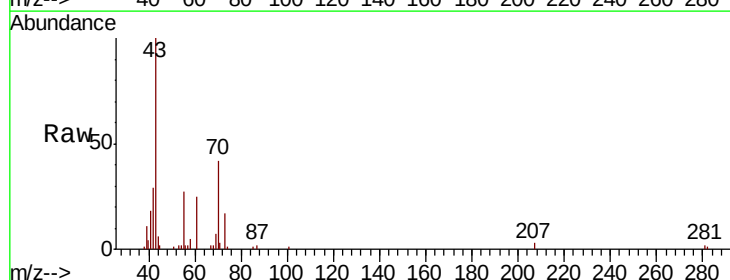
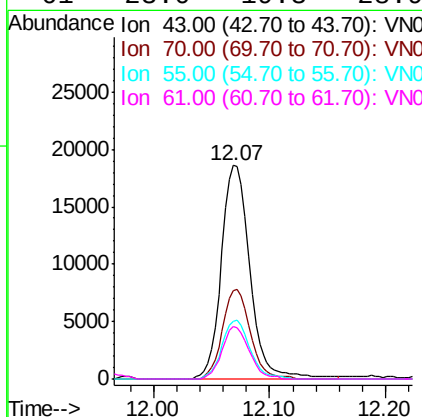
Manual Integrations
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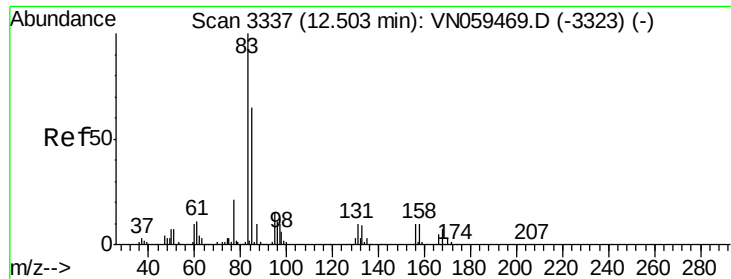
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#74
N-ethyl acetate
Concen: 5.339 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.4	34.2	51.2
55	26.8	20.6	31.0
61	23.0	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.613 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

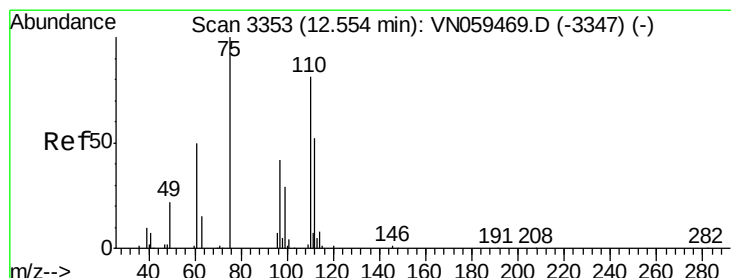
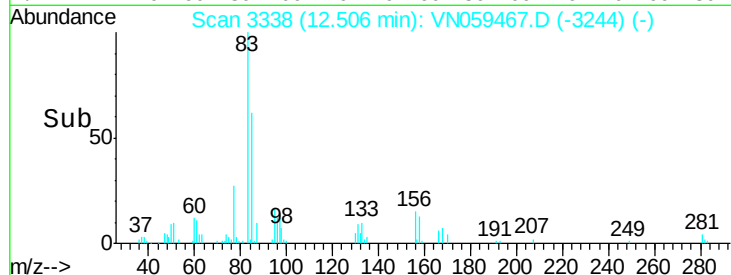
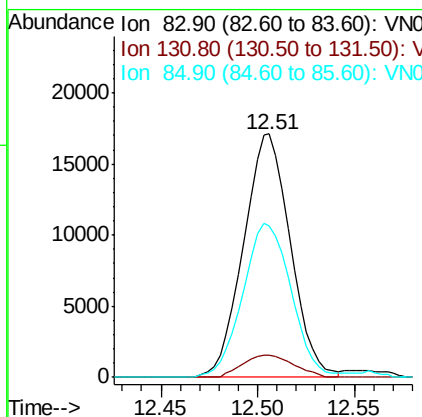
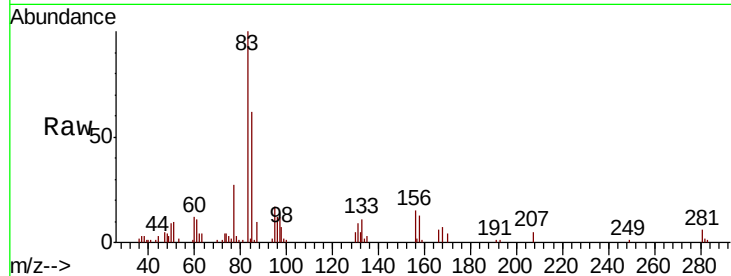
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28893
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	65.2	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.776 ug/l m

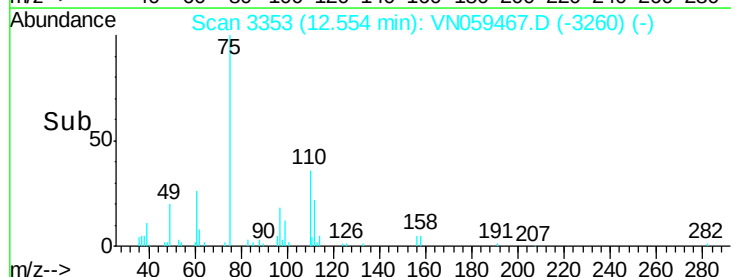
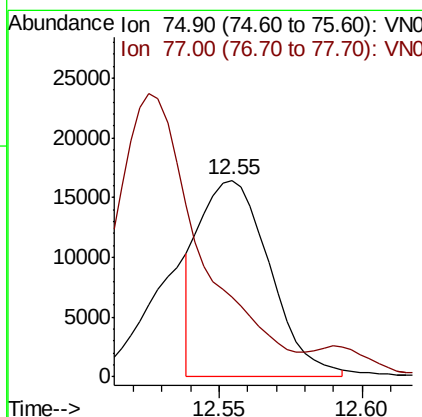
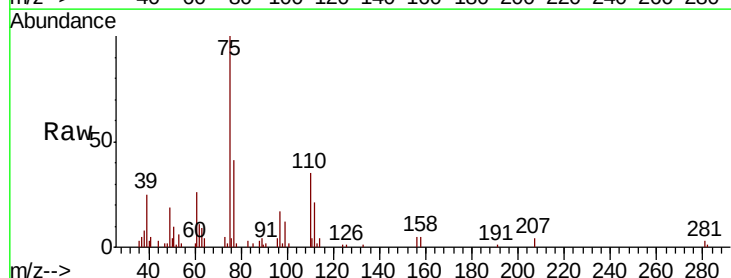
RT: 12.55 min Scan# 3353

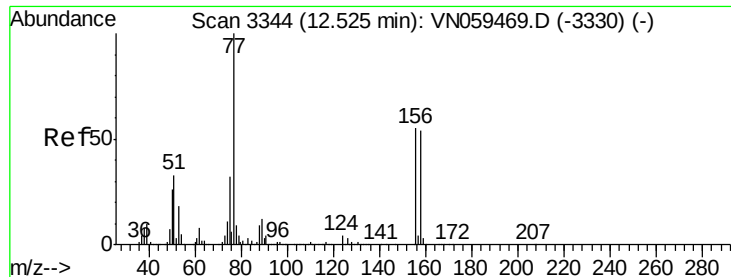
Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	75	Resp:	28071
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





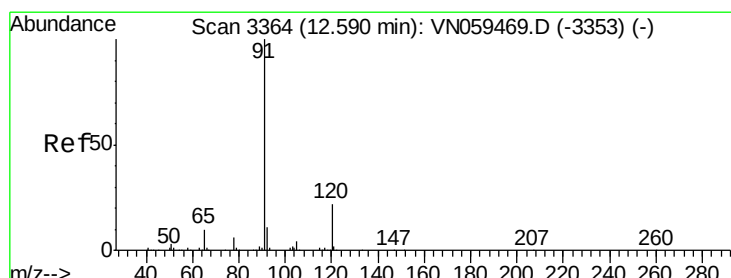
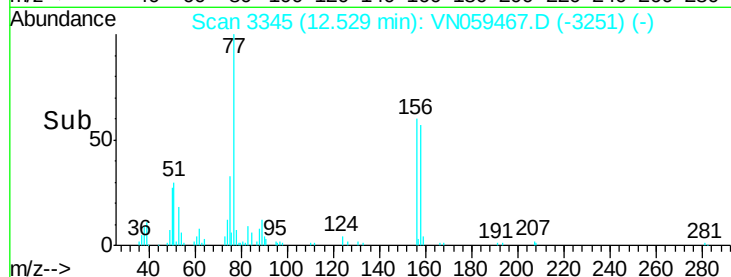
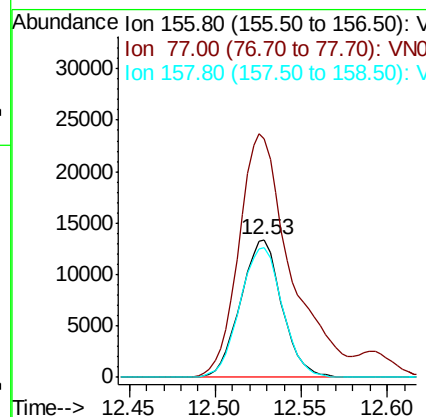
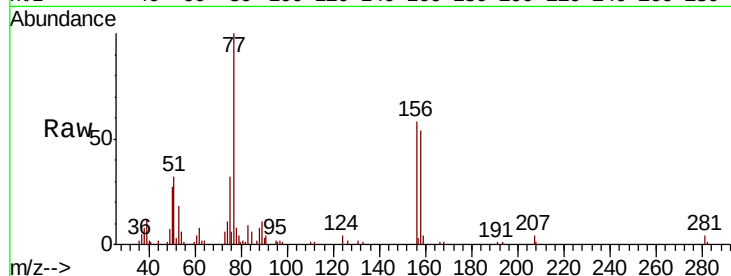
#77
Bromobenzene
Concen: 5.813 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.7	110.3	331.0
158	97.1	48.5	145.5

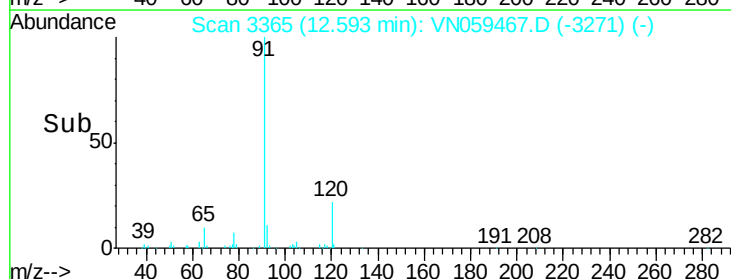
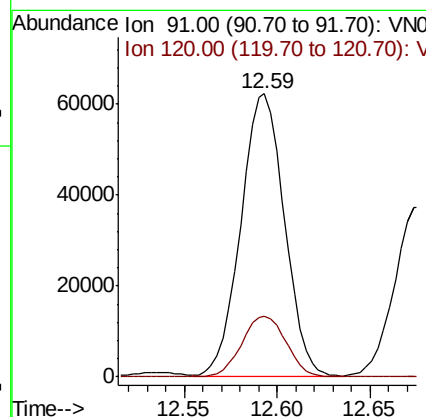
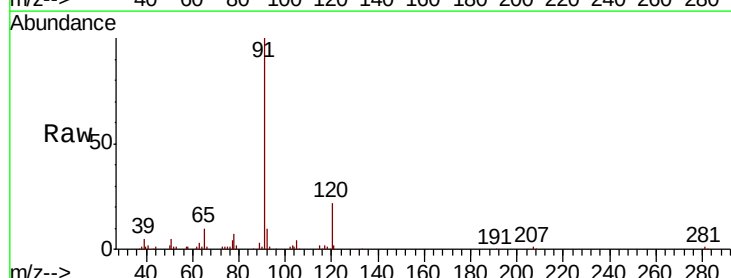
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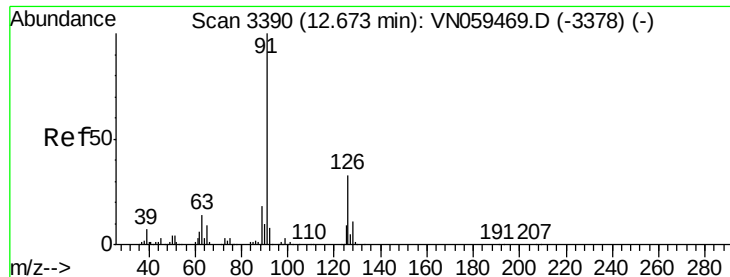
apatel
12/4/2019 9:21:59 AM



#78
n-propylbenzene
Concen: 5.627 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 5.822 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 63015

Ion Ratio Lower Upper

91 100

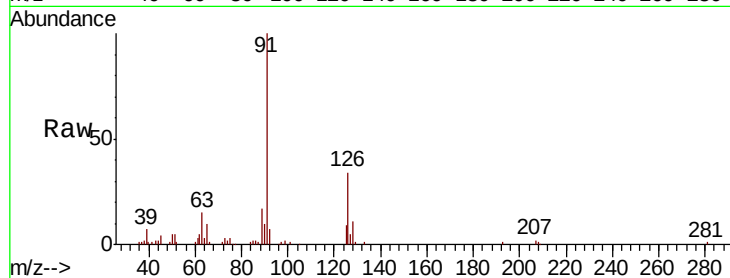
126 32.5 16.6 49.8

Manual Integrations

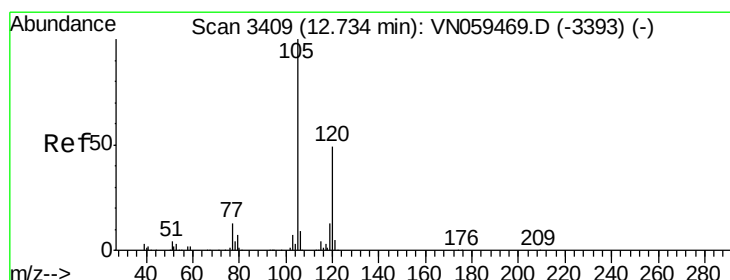
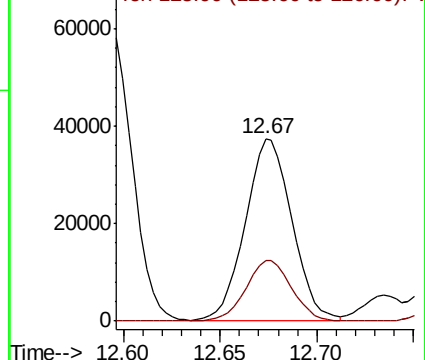
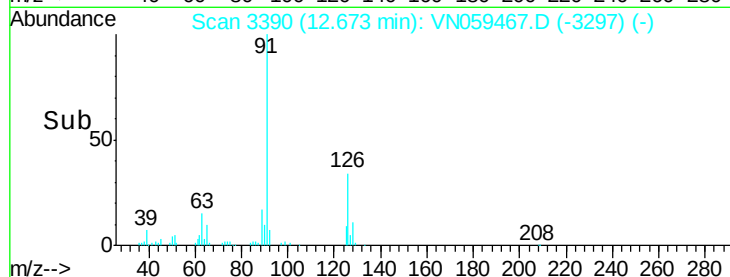
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Abundance Ion 91.00 (90.70 to 91.70): VN059467.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.522 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059467.D

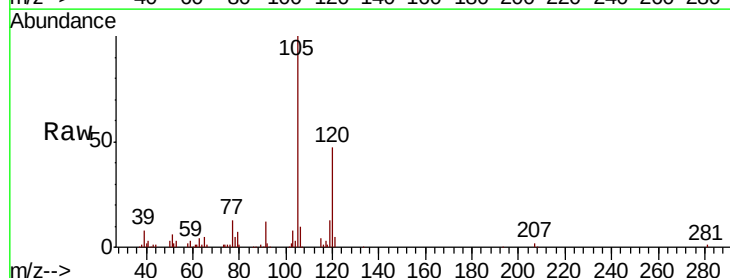
Acq: 3 Dec 2019 13:41

Tgt Ion: 105 Resp: 72810

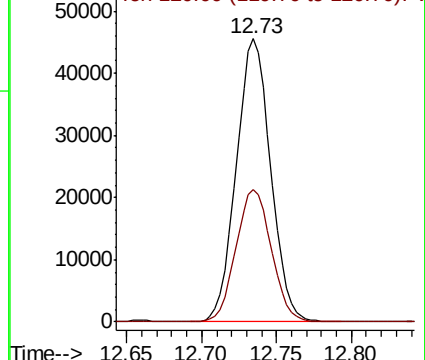
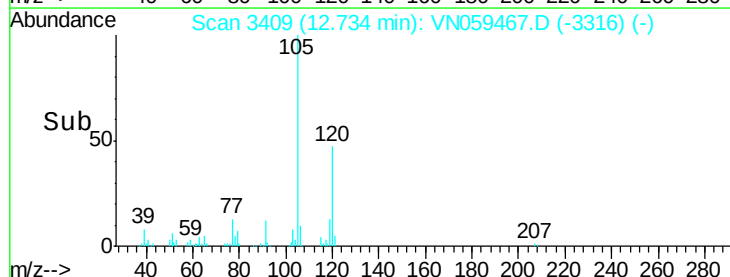
Ion Ratio Lower Upper

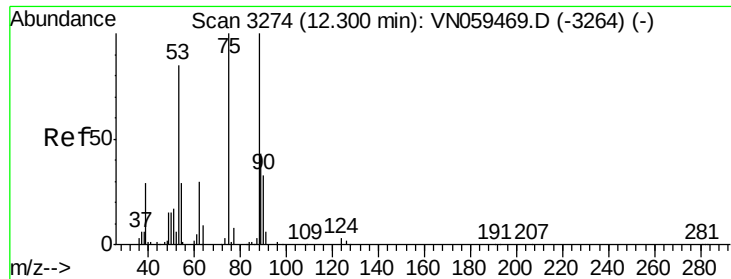
105 100

120 47.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059467.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.022 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

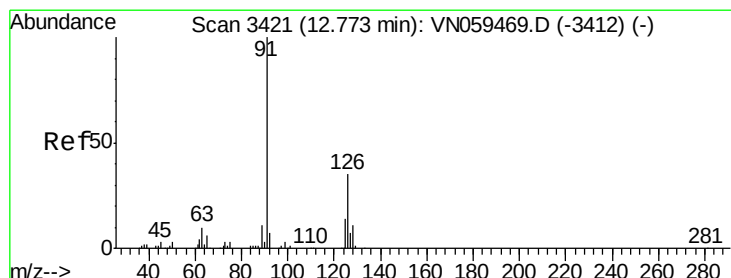
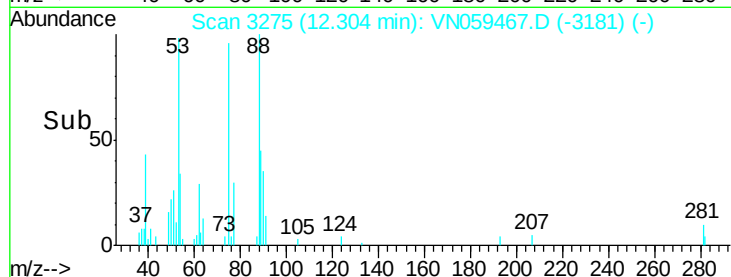
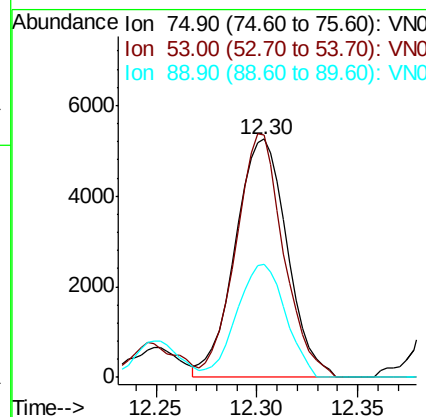
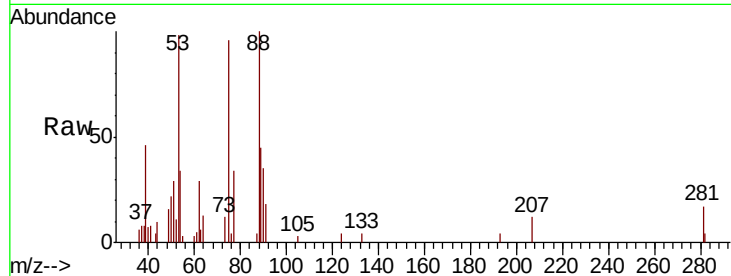
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	9454
Ion Ratio	Lower	Upper	
75	100		
53	93.9	69.8	104.6
89	44.8	35.2	52.8

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#82

4-Chlorotoluene

Concen: 5.629 ug/l

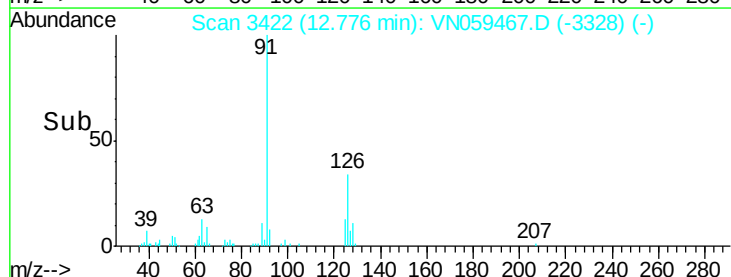
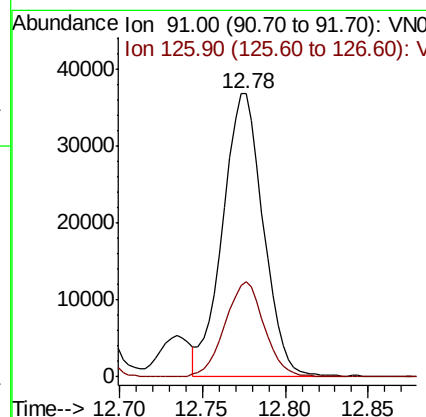
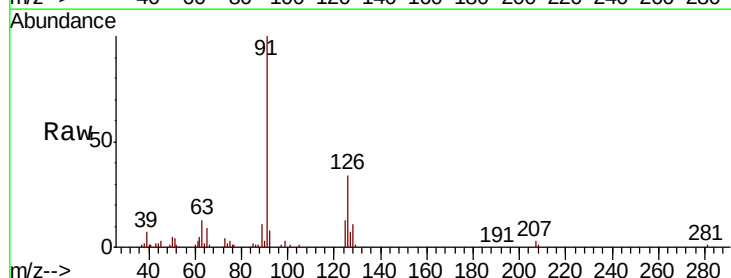
RT: 12.78 min Scan# 3422

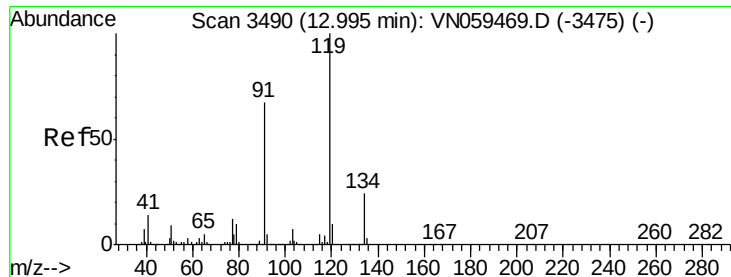
Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	91	Resp:	62760
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.4	49.2





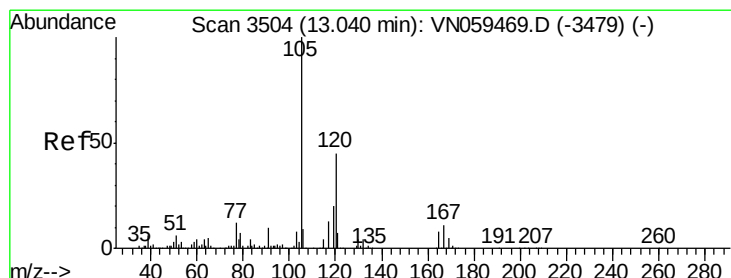
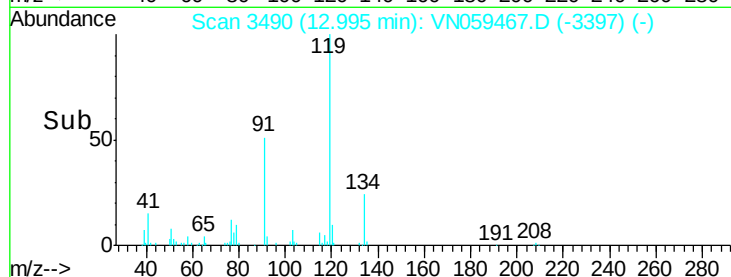
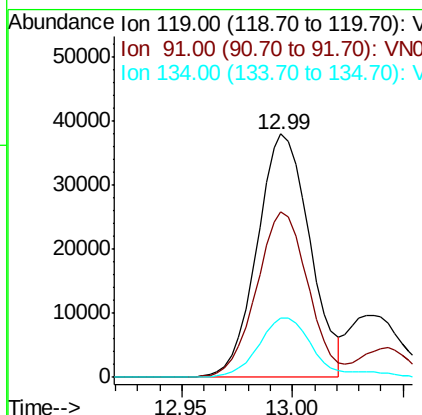
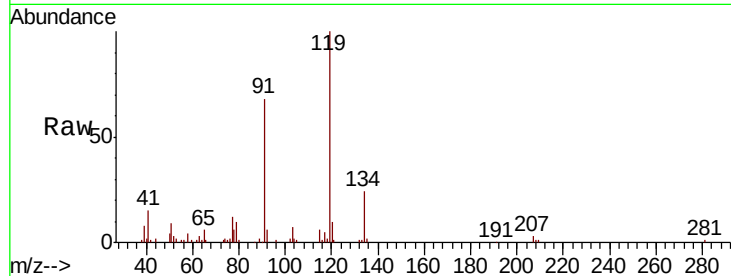
#83
tert-Butylbenzene
Concen: 5.532 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	32.6	97.7
134	24.6	12.6	37.6

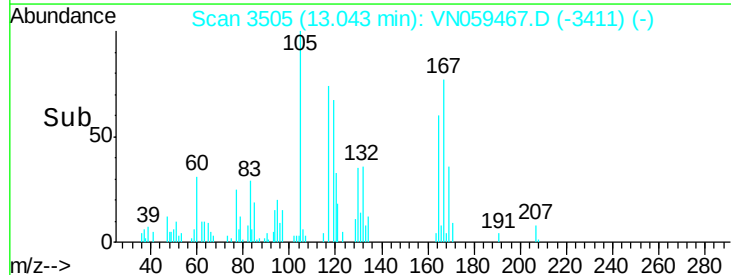
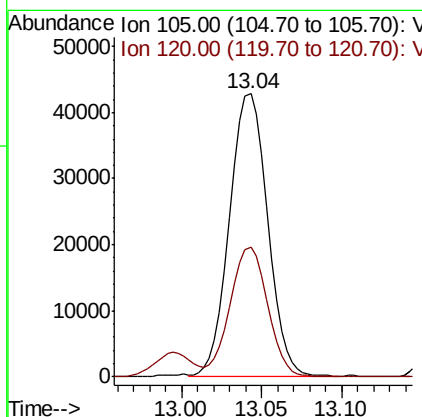
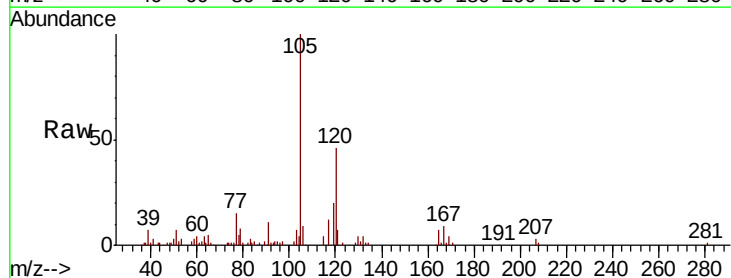
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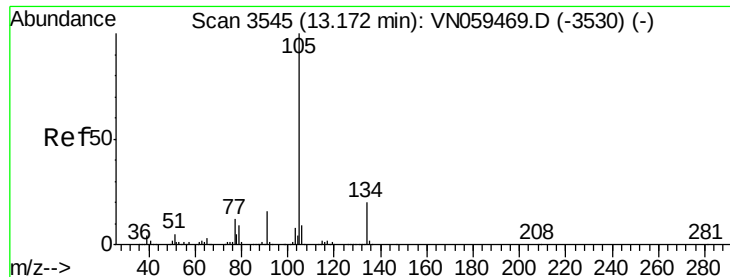
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#84
1,2,4-Trimethylbenzene
Concen: 5.400 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.8





#85

sec-Butylbenzene

Concen: 5.586 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 84127

Ion Ratio Lower Upper

105 100

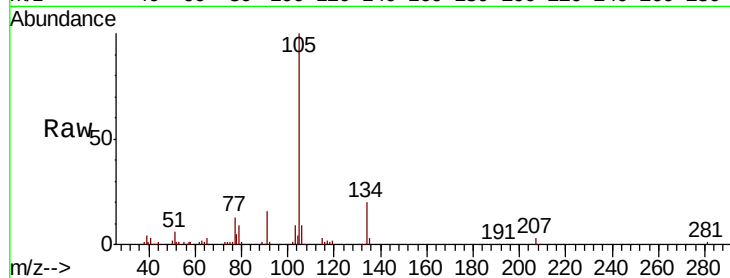
134 20.0 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

60000

50000

40000

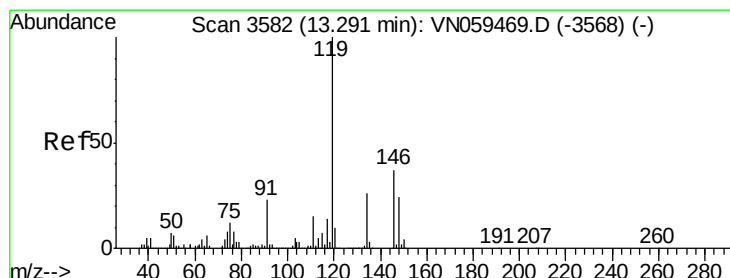
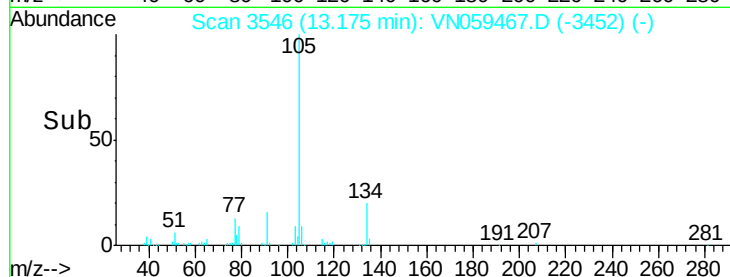
30000

20000

10000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.335 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

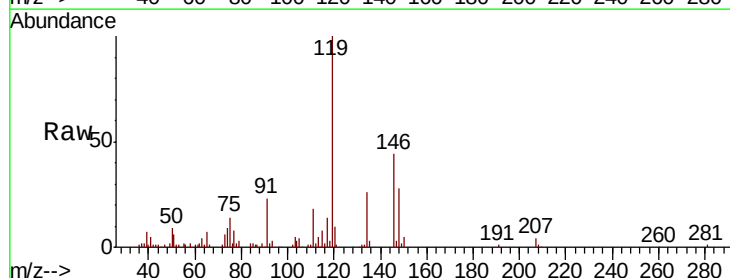
Tgt Ion:119 Resp: 72562

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 23.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

60000

50000

40000

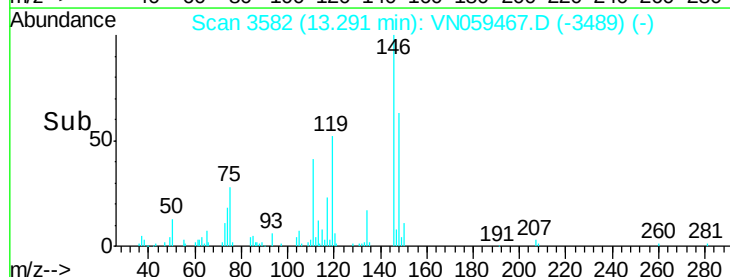
30000

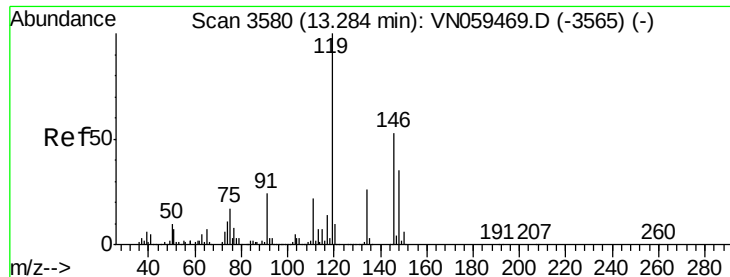
20000

10000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 5.530 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

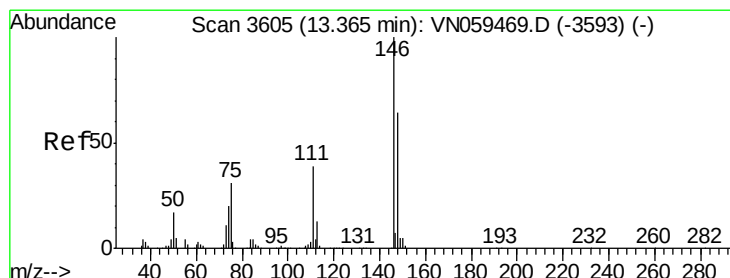
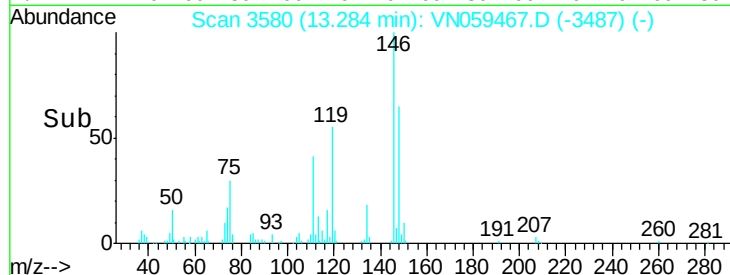
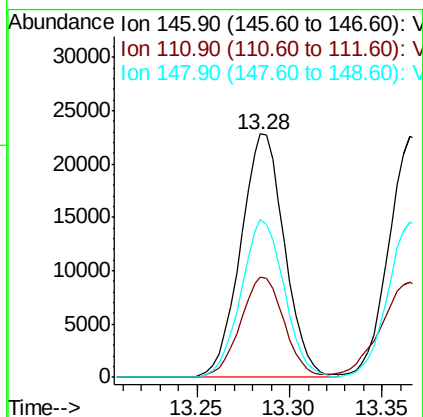
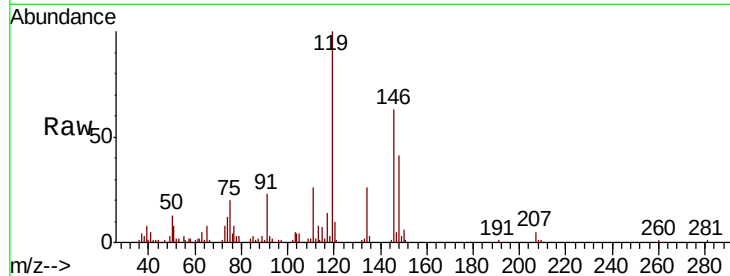
ClientSampled :

VSTDIC005

Tot Ion:	146	Resp:	37595
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.4	61.3
148	63.7	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 5.544 ug/l

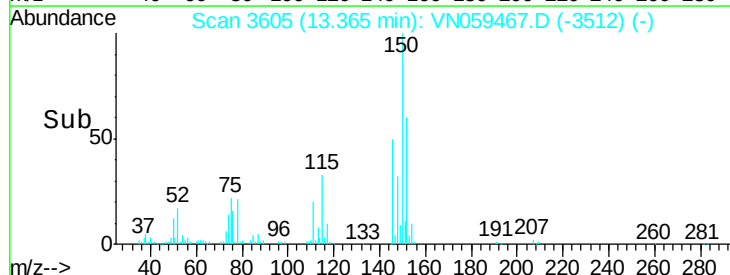
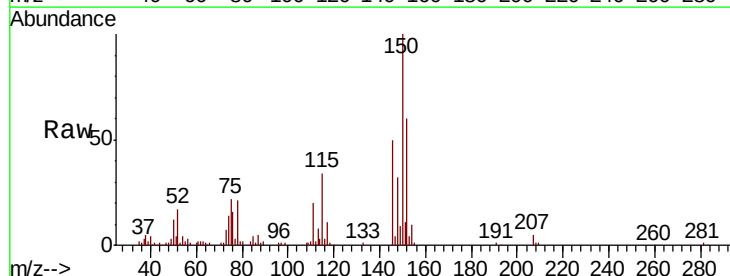
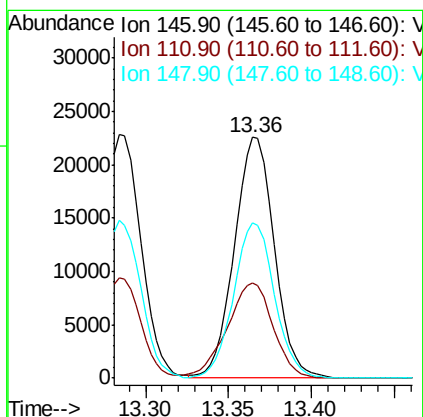
RT: 13.36 min Scan# 3605

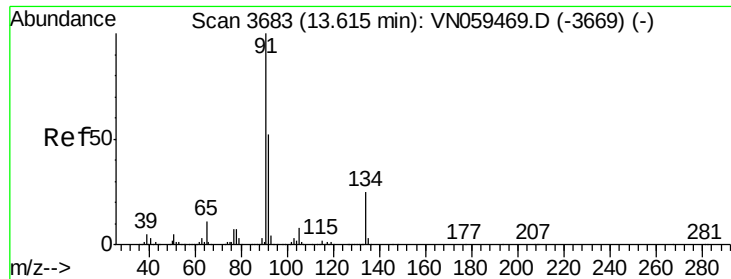
Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	146	Resp:	37897
Ion Ratio	Lower	Upper	
146	100		
111	45.5	19.8	59.3
148	65.9	32.0	96.0





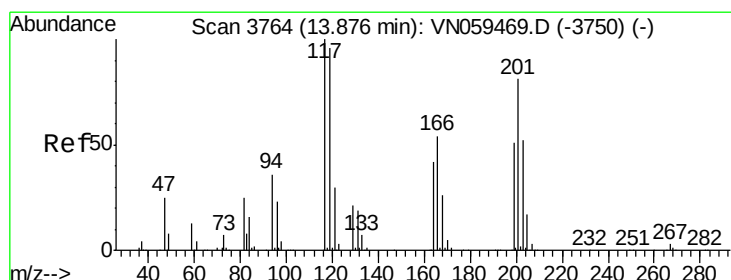
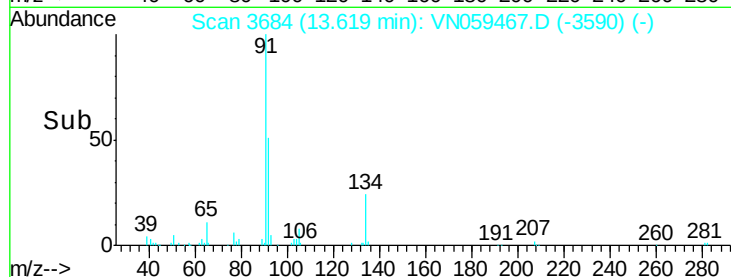
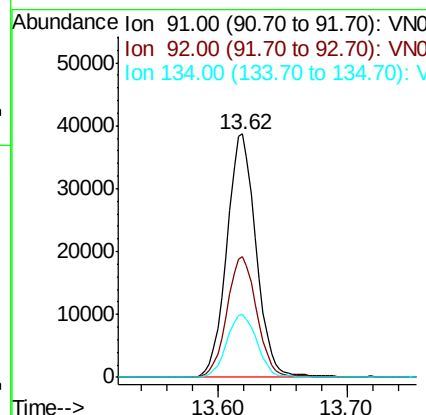
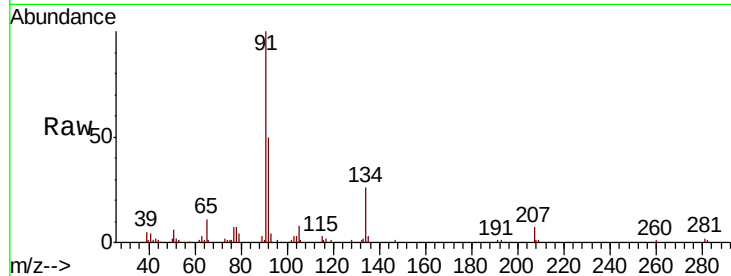
#89
n-Butylbenzene
Concen: 5.115 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.8
134	26.6	12.6	37.6

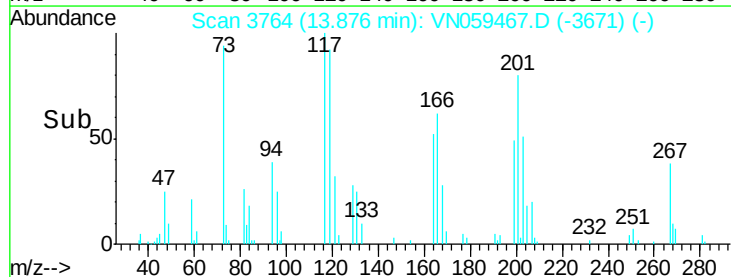
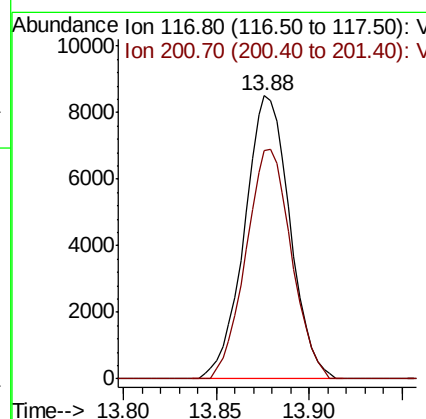
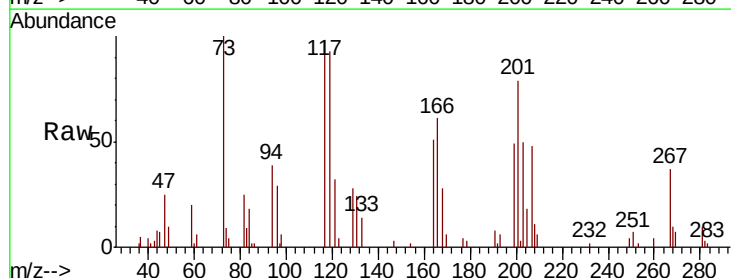
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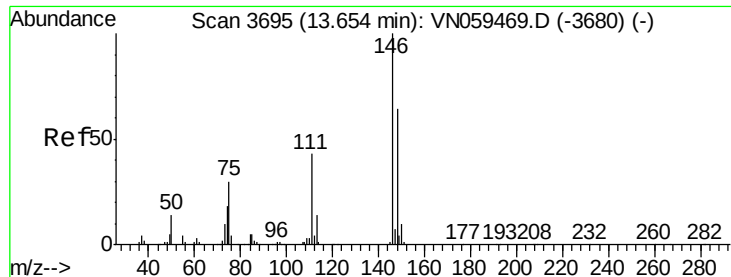
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#90
Hexachloroethane
Concen: 5.573 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.6	122.0





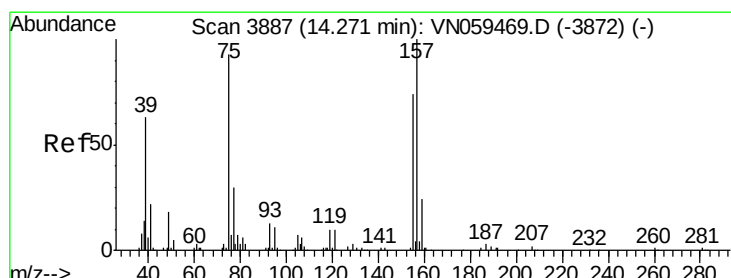
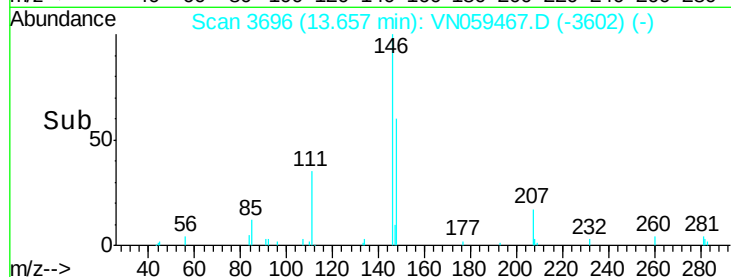
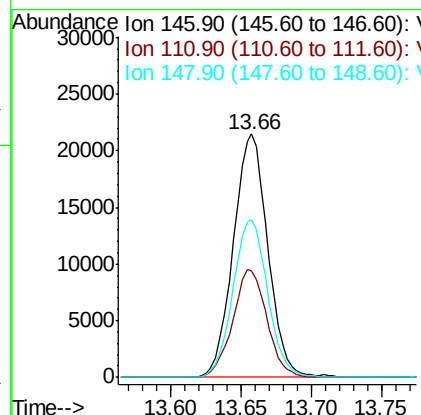
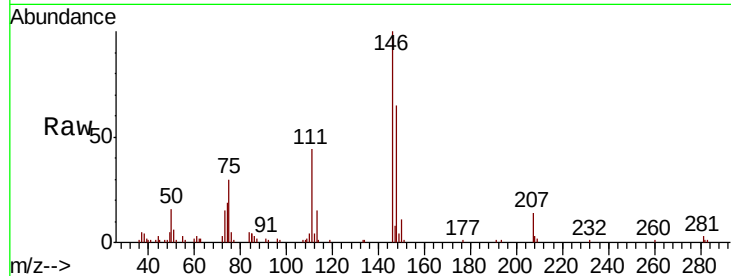
#91
 1,2-Dichlorobenzene
 Concen: 5.515 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	63.7
148	64.9	32.2	96.6

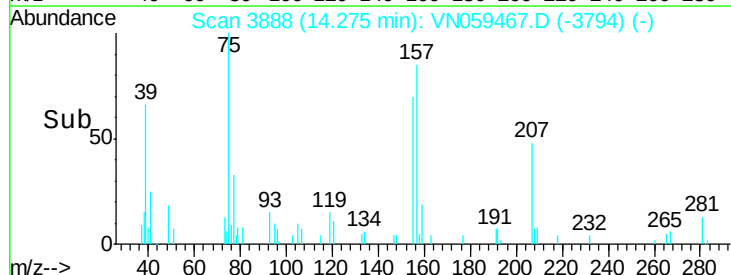
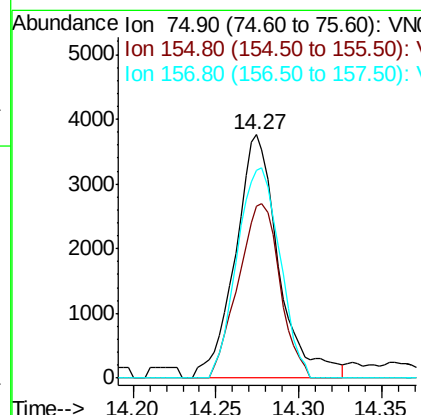
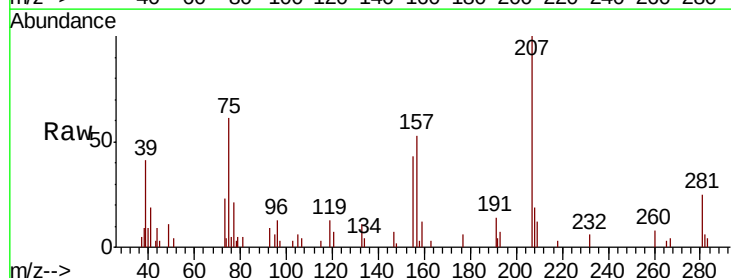
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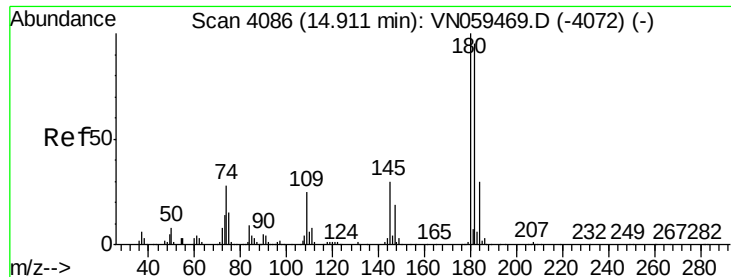
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.834 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	40.6	122.0
157	85.2	52.9	158.7





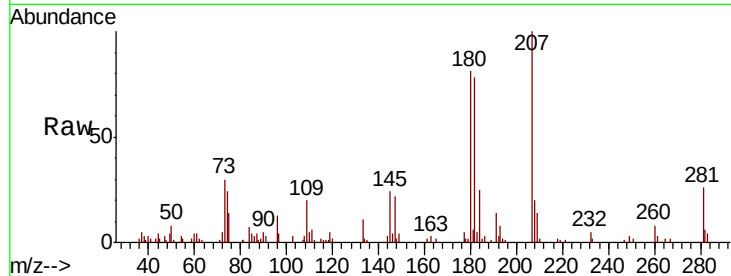
#93
 1,2,4-Trichlorobenzene
 Concen: 4.742 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	30.3	15.2	45.6

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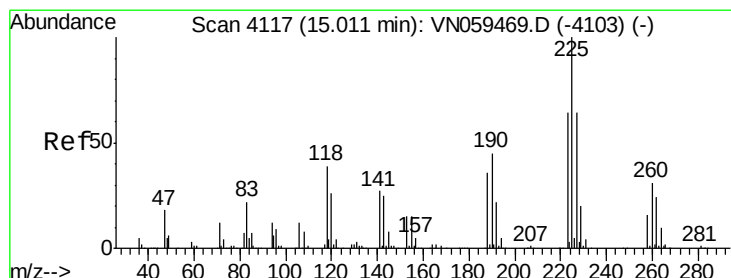
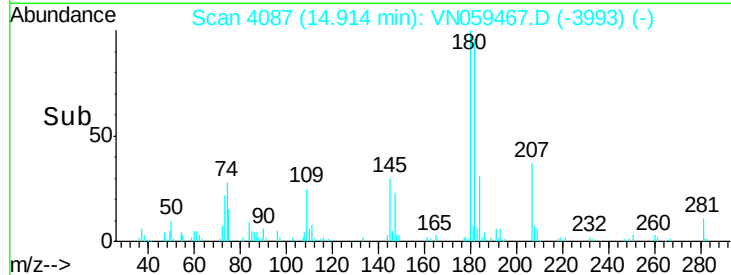
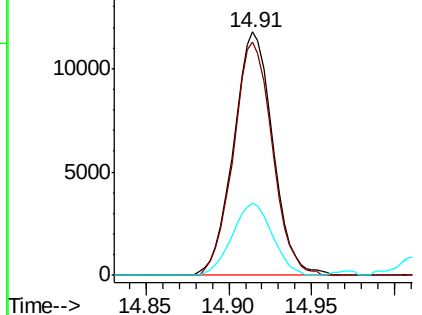


Abundance

Ion 179.80 (179.50 to 180.50): V

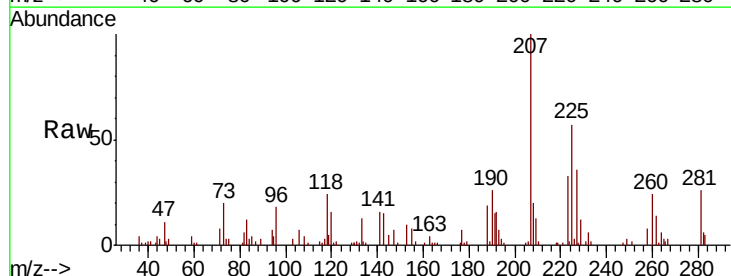
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.894 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.9	95.5
227	65.6	32.0	96.2

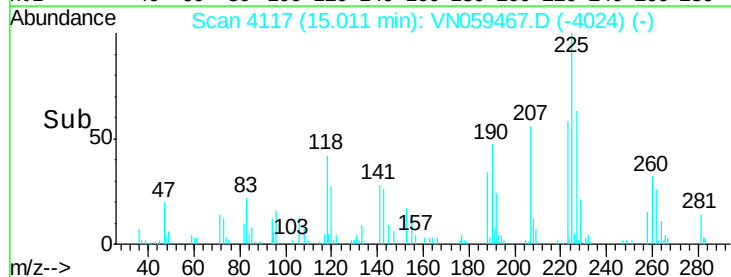
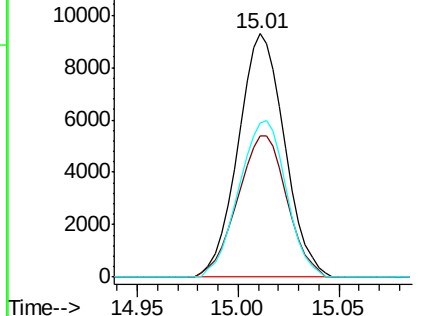


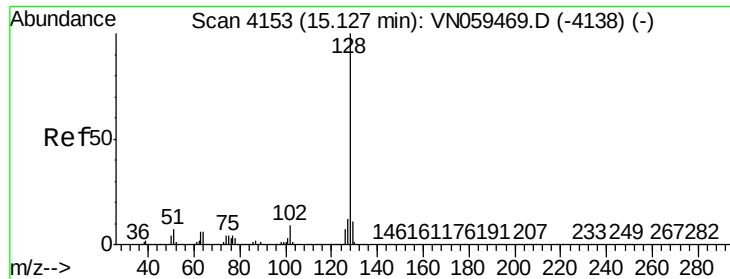
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





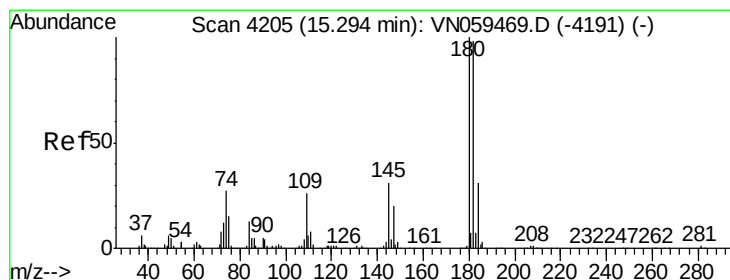
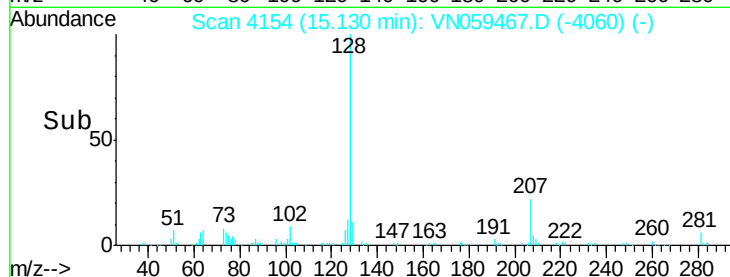
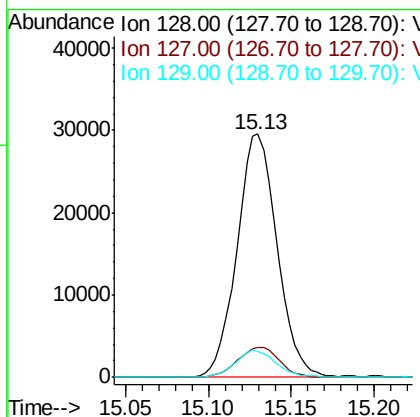
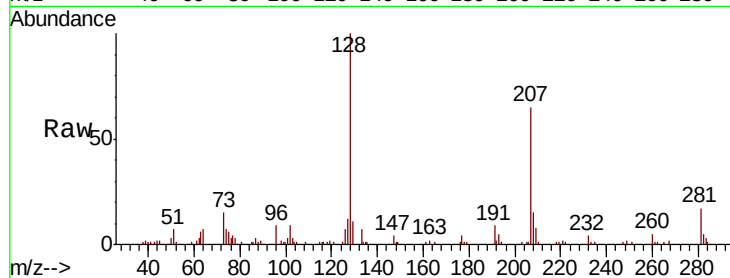
#95
Naphthalene
Concen: 4.257 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		49747		
127	12.7		10.2	15.4	
129	11.2		8.8	13.2	

Manual Integrations
APPROVED

apatel
12/4/2019 9:21:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		20832		
182	94.4		48.5	145.5	
145	32.2		16.1	48.2	

