

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059466.D
 Acq On : 3 Dec 2019 13:19
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 12/4/2019 9:21:55 AM

Quant Time: Dec 03 15:21:25 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	370010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	585643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	506269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	204906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.83	85	5287	1.243	ug/l	99
3) Chloromethane	2.04	50	6191	1.164	ug/l	97
4) Vinyl Chloride	2.17	62	3957	0.833	ug/l	99
6) Chloroethane	2.68	64	2571	0.955	ug/l	94
7) Trichlorofluoromethane	2.99	101	4666	0.815	ug/l	100
8) Diethyl Ether	3.39	74	3181	1.276	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4512	1.200	ug/l	97
12) 1,1-Dichloroethene	3.71	96	4734	1.285	ug/l	90
14) Allyl chloride	4.29	41	9554	1.386	ug/l	98
15) Acrylonitrile	4.96	53	12779	5.959	ug/l	97
16) Acetone	3.80	43	20508	9.665	ug/l	96
17) Carbon Disulfide	4.03	76	17120	1.352	ug/l #	94
18) Methyl Acetate	4.30	43	7187	1.248	ug/l #	83
19) Methyl tert-butyl Ether	5.01	73	13840	1.153	ug/l	91
20) Methylene Chloride	4.52	84	7306	1.719	ug/l #	87
21) trans-1,2-Dichloroethene	5.01	96	5143	1.278	ug/l	90
22) Diisopropyl ether	5.92	45	14968	1.164	ug/l #	82
23) Vinyl Acetate	5.87	43	57810	5.543	ug/l	100
24) 1,1-Dichloroethane	5.82	63	8996	1.218	ug/l #	92
25) 2-Butanone	6.82	43	19108	6.531	ug/l	99
26) 2,2-Dichloropropane	6.80	77	7964	1.266	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	5594	1.267	ug/l	97
28) Bromochloromethane	7.17	49	1746	0.694	ug/l #	98
29) Tetrahydrofuran	7.19	42	12293	6.318	ug/l	97
30) Chloroform	7.35	83	8634	1.164	ug/l #	80
32) 1,1,1-Trichloroethane	7.54	97	7355	1.211	ug/l #	50
36) 1,1-Dichloropropene	7.77	75	6802	1.194	ug/l	97
37) Ethyl Acetate	6.91	43	6199	1.009	ug/l #	87
38) Carbon Tetrachloride	7.75	117	6640	1.229	ug/l #	82
39) Methylcyclohexane	9.06	83	7937	1.164	ug/l	93
40) Benzene	8.02	78	20593	1.216	ug/l	99
41) Methacrylonitrile	7.15	41	2554	0.896	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	6961	1.287	ug/l	86
43) Isopropyl Acetate	8.14	43	10374	1.117	ug/l #	91

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 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)
44) Trichloroethene	8.82	130	5557	1.289	ug/l	95
45) 1,2-Dichloropropane	9.10	63	5372	1.212	ug/l	98
46) Dibromomethane	9.19	93	3210	1.172	ug/l	96
47) Bromodichloromethane	9.39	83	6259	1.130	ug/l	99
48) Methyl methacrylate	9.19	41	5042	1.221	ug/l	88
49) 1,4-Dioxane	9.19	88	2010	34.308	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	29733	5.479	ug/l	97
52) Toluene	10.15	92	12157	1.200	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	7507	1.178	ug/l #	88
54) cis-1,3-Dichloropropene	9.83	75	7426	1.083	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	4798	1.205	ug/l	96
56) Ethyl methacrylate	10.42	69	5266	0.906	ug/l	87
57) 1,3-Dichloropropane	10.70	76	7882	1.150	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	5655	3.374	ug/l	99
59) 2-Hexanone	10.75	43	23616	5.854	ug/l	95
60) Dibromochloromethane	10.90	129	4451	1.075	ug/l	92
61) 1,2-Dibromoethane	11.00	107	4519	1.108	ug/l	96
64) Tetrachloroethene	10.63	164	4948	1.304	ug/l	90
65) Chlorobenzene	11.43	112	13400	1.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	4598	1.222	ug/l #	63
67) Ethyl Benzene	11.51	91	21809	1.195	ug/l	98
68) m/p-Xylenes	11.62	106	15681	2.296	ug/l	98
69) o-Xylene	11.95	106	7477	1.146	ug/l	96
70) Styrene	11.97	104	10676	1.044	ug/l	93
71) Bromoform	12.12	173	2931	1.018	ug/l #	96
73) Isopropylbenzene	12.25	105	19303	1.256	ug/l	99
74) N-amyl acetate	12.07	43	7970	1.358	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	6632	1.315	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	6837m	1.436	ug/l	
77) Bromobenzene	12.53	156	5270	1.401	ug/l	90
78) n-propylbenzene	12.59	91	22148	1.247	ug/l	98
79) 2-Chlorotoluene	12.67	91	14586	1.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	15501	1.200	ug/l	100
82) 4-Chlorotoluene	12.78	91	14575	1.334	ug/l	100
83) tert-Butylbenzene	12.99	119	13738	1.235	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	15202	1.201	ug/l	99
85) sec-Butylbenzene	13.17	105	18384	1.246	ug/l	99
86) p-Isopropyltoluene	13.29	119	16500	1.238	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9666	1.451	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	10776m	1.609	ug/l	
89) n-Butylbenzene	13.62	91	16610	1.423	ug/l	99
90) Hexachloroethane	13.88	117	3241	1.269	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	9839	1.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1704	1.487	ug/l	75
93) 1,2,4-Trichlorobenzene	14.91	180	8684	2.161	ug/l	95
94) Hexachlorobutadiene	15.01	225	4798	1.929	ug/l	98
95) Naphthalene	15.13	128	33526	2.928	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	10070	2.355	ug/l	95

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MSVOA_N
ClientSampleId :
VSTDICC001

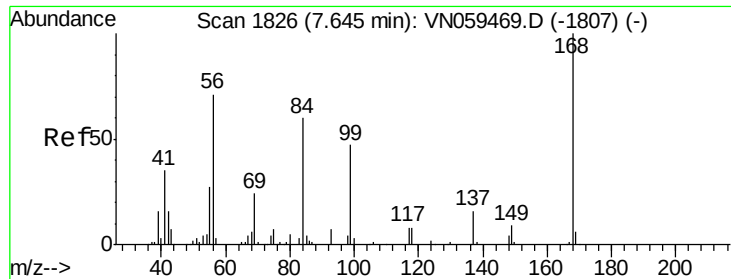
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 370010

Ion Ratio Lower Upper

168 100

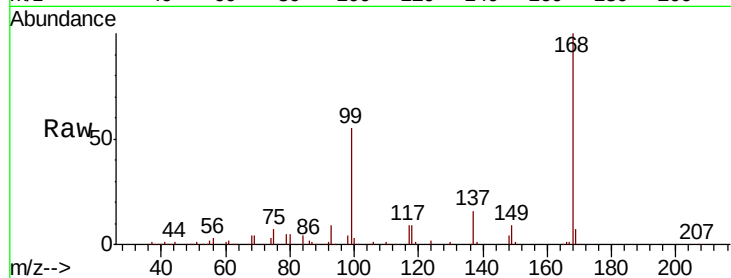
99 55.2 43.4 65.2

Manual Integrations

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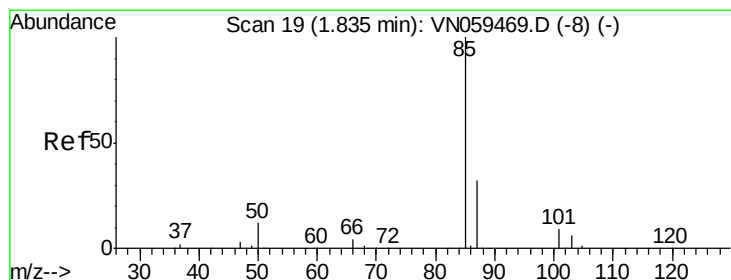
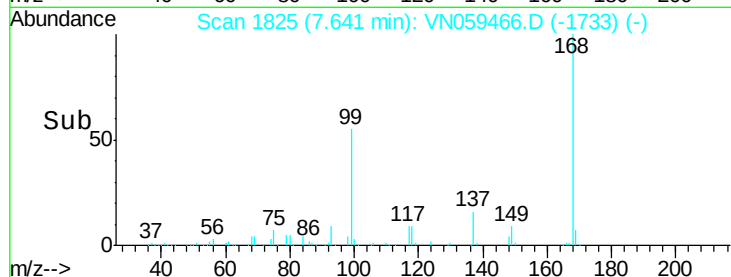
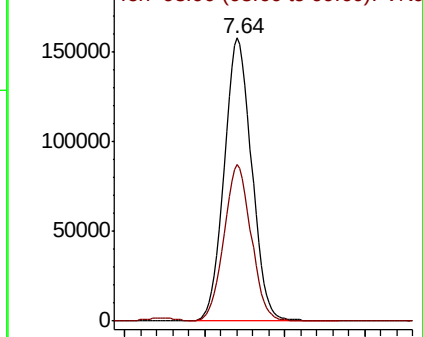
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.243 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059466.D

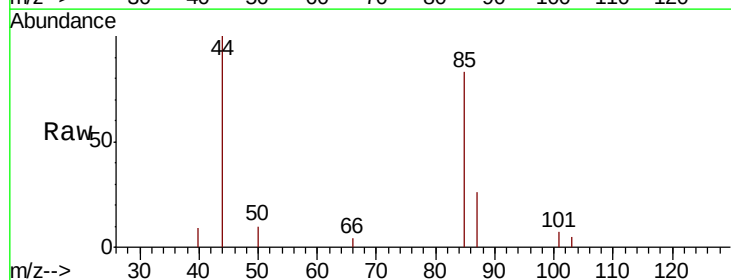
Acq: 3 Dec 2019 13:19

Tgt Ion: 85 Resp: 5287

Ion Ratio Lower Upper

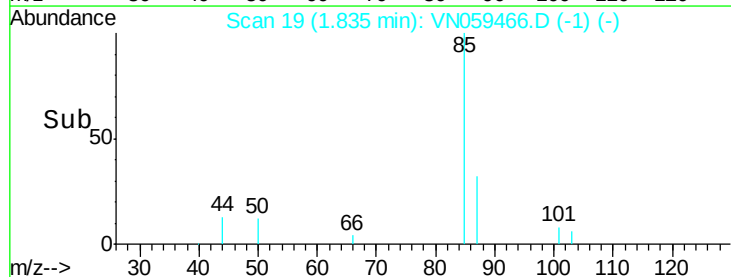
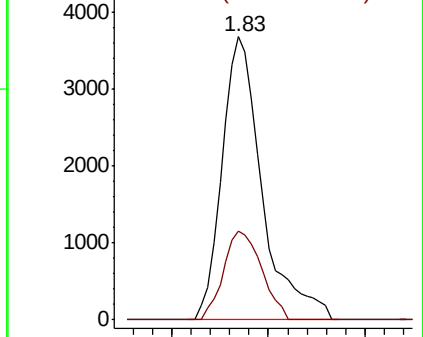
85 100

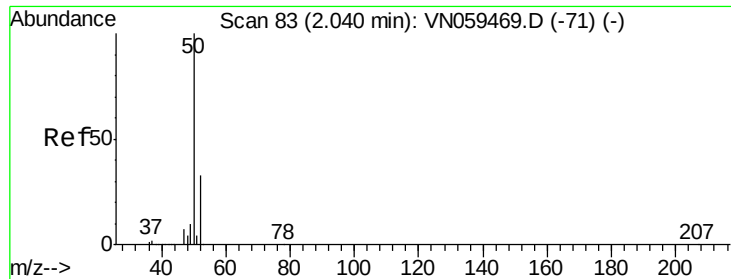
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.164 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6191

Ion Ratio Lower Upper

50 100

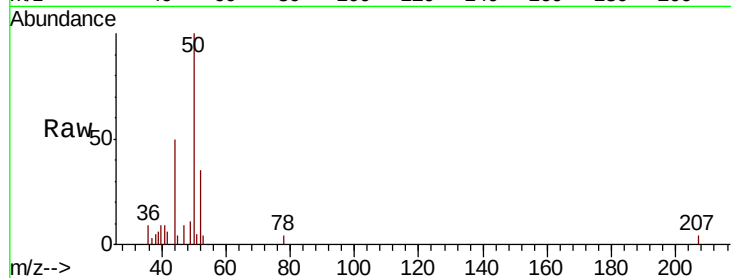
52 34.7 26.5 39.7

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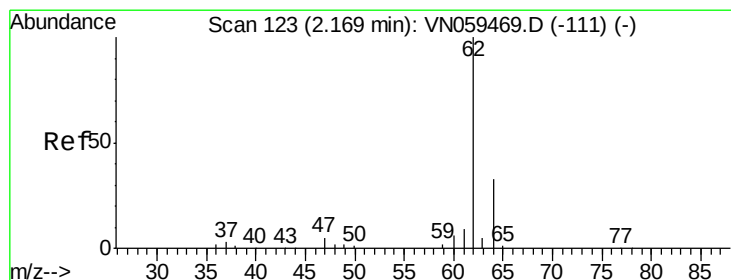
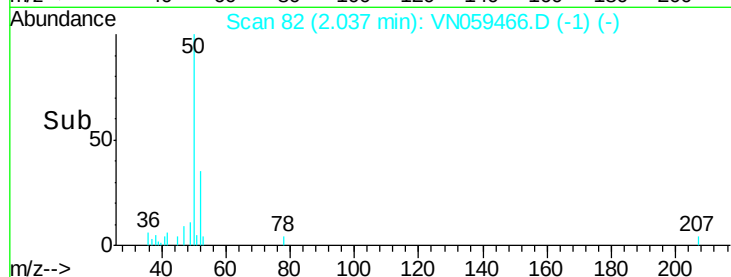
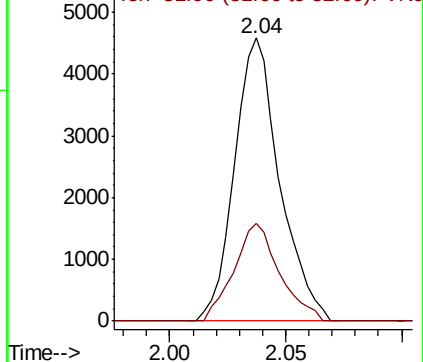
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.833 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059466.D

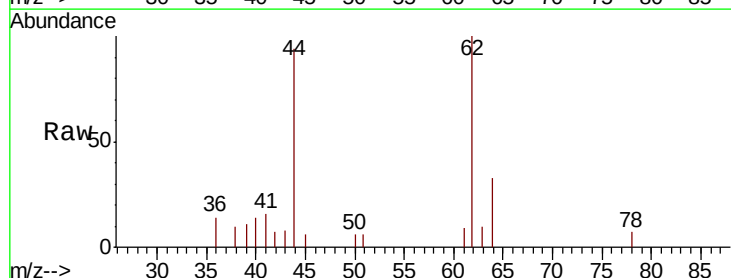
Acq: 3 Dec 2019 13:19

Tgt Ion: 62 Resp: 3957

Ion Ratio Lower Upper

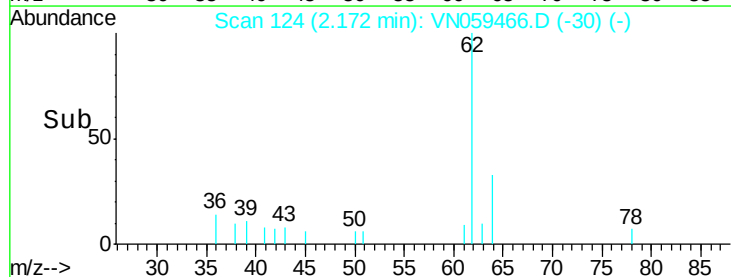
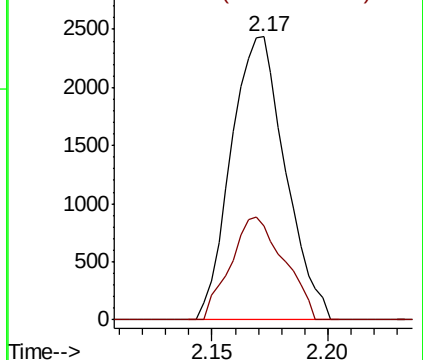
62 100

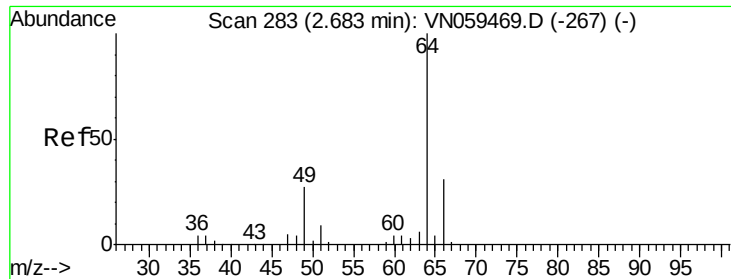
64 33.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#6

Chloroethane

Concen: 0.955 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 2571

Ion Ratio Lower Upper

64 100

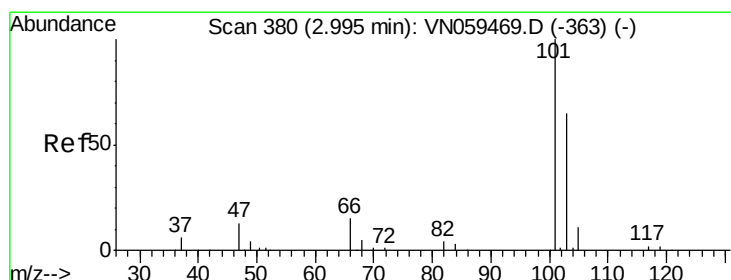
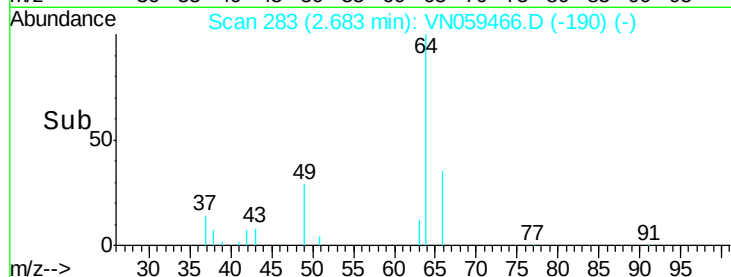
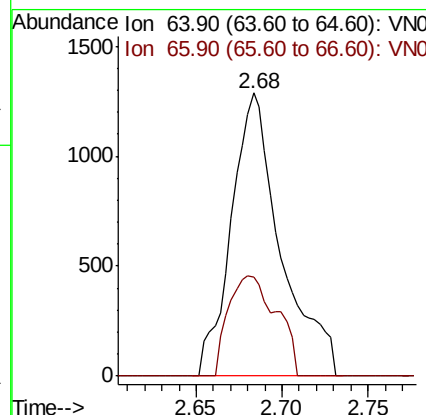
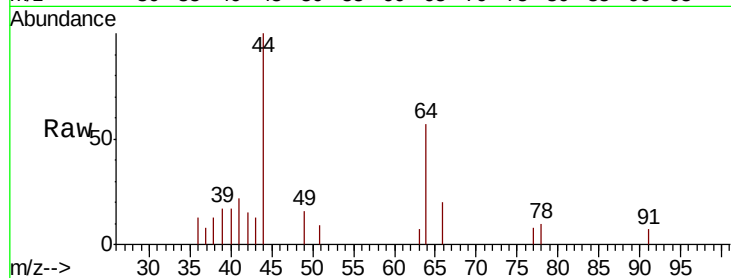
66 35.0 25.2 37.8

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#7

Trichlorofluoromethane

Concen: 0.815 ug/l

RT: 2.99 min Scan# 379

Delta R.T. -0.00 min

Lab File: VN059466.D

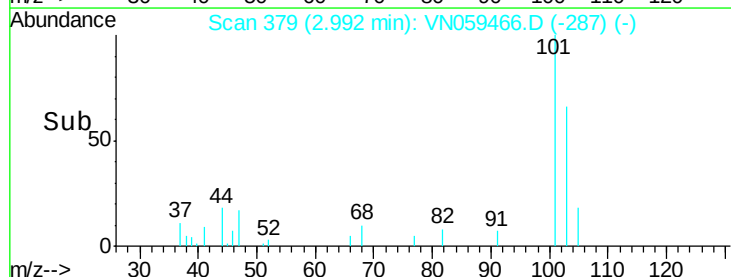
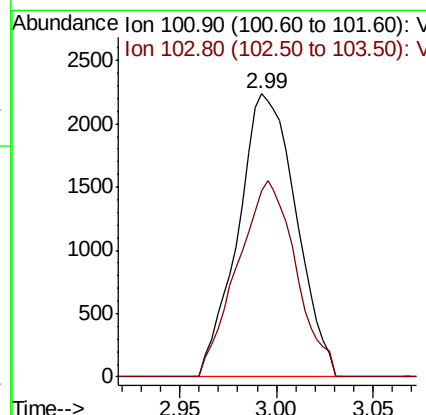
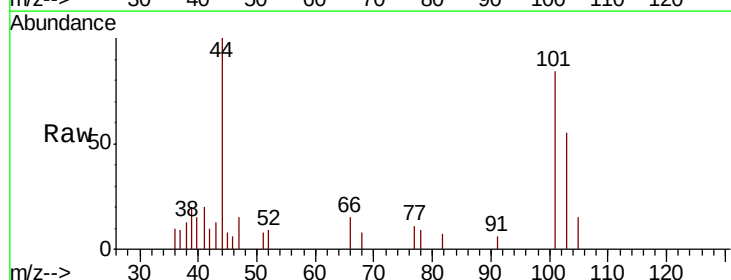
Acq: 3 Dec 2019 13:19

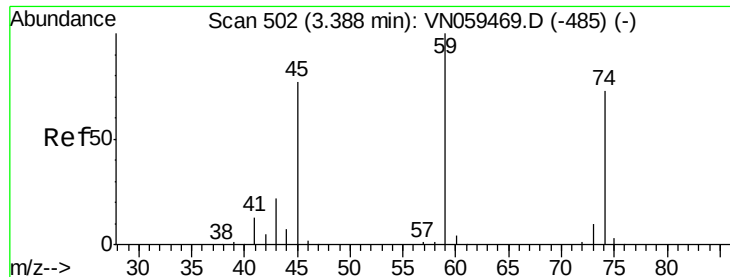
Tgt Ion: 101 Resp: 4666

Ion Ratio Lower Upper

101 100

103 65.8 52.4 78.6





#8

Diethyl Ether

Concen: 1.276 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 3181

Ion Ratio Lower Upper

74 100

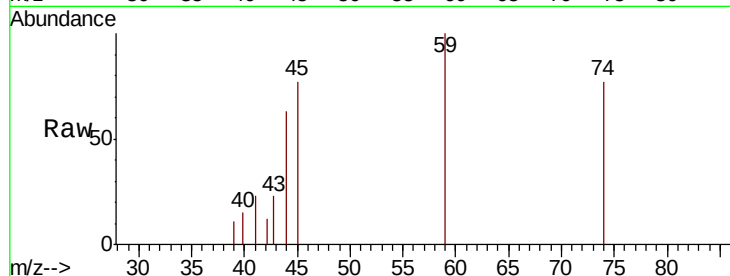
45 107.4 52.3 157.1

Manual Integrations

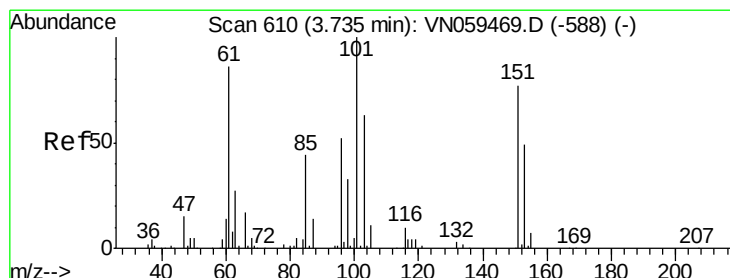
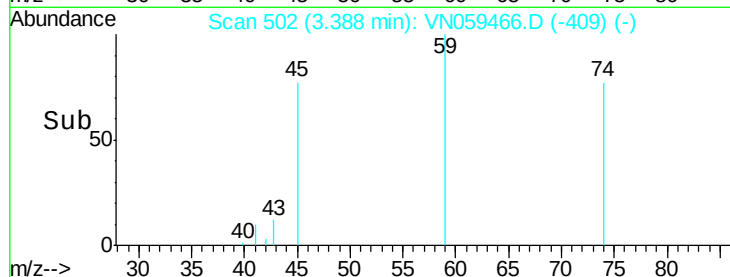
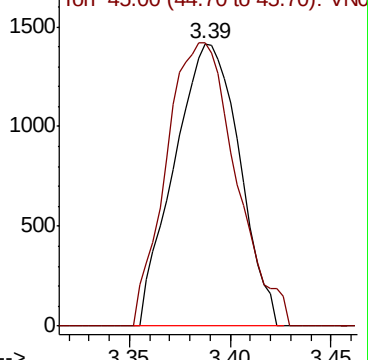
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Abundance Ion 74.00 (73.70 to 74.70): VN059466.D (-409) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.200 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

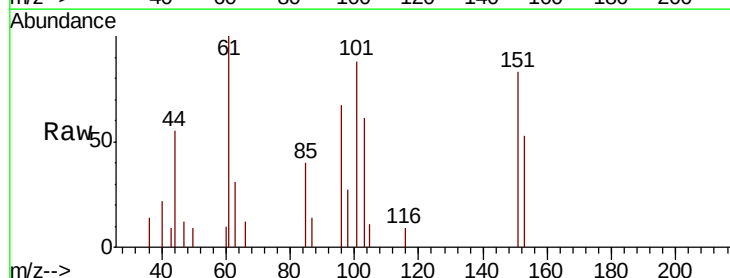
Tgt Ion: 101 Resp: 4512

Ion Ratio Lower Upper

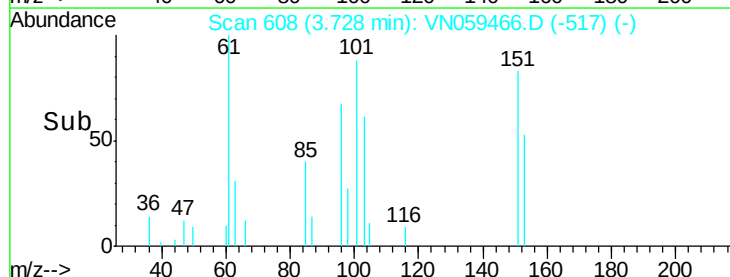
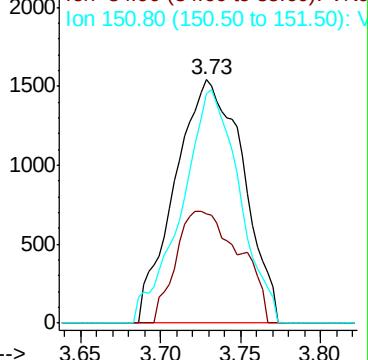
101 100

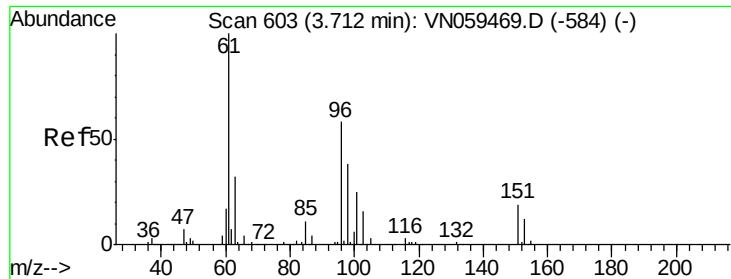
85 42.6 35.2 52.8

151 81.3 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): VN059466.D (-517) (-)





#12

1,1-Dichloroethene

Concen: 1.285 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

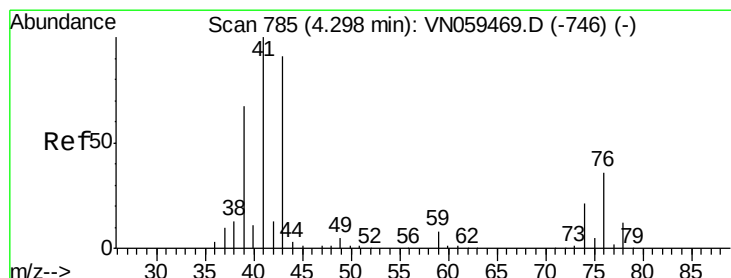
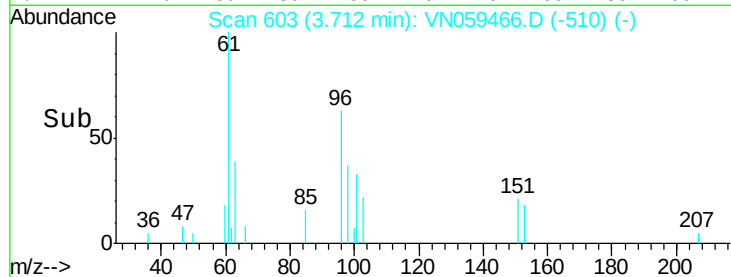
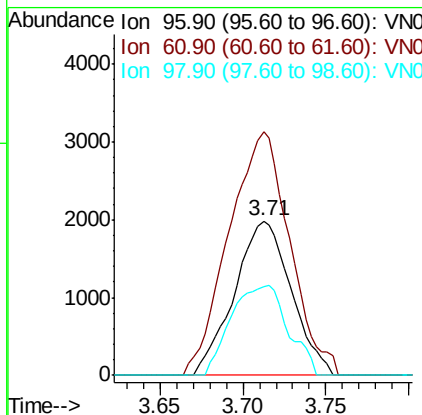
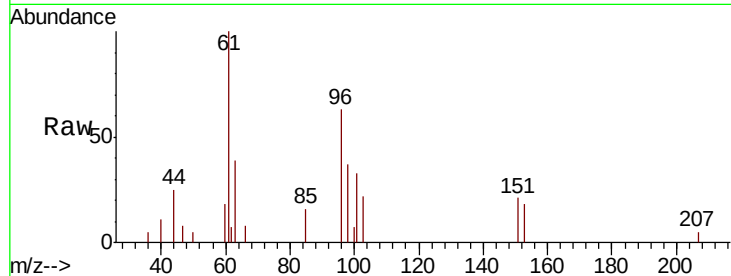
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	4734
Ion	Ratio	Lower	Upper
96	100		
61	157.5	137.1	205.7
98	57.8	52.4	78.6

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#14

Allyl chloride

Concen: 1.386 ug/l

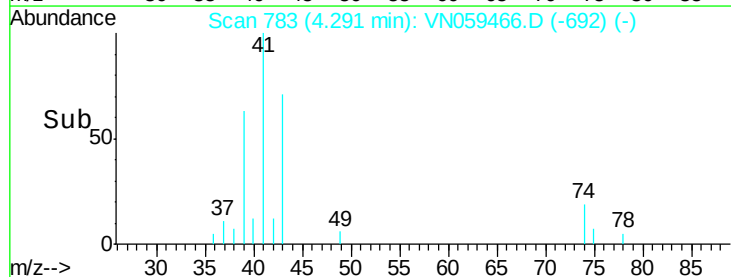
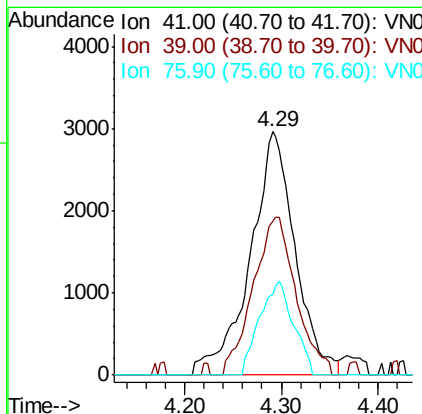
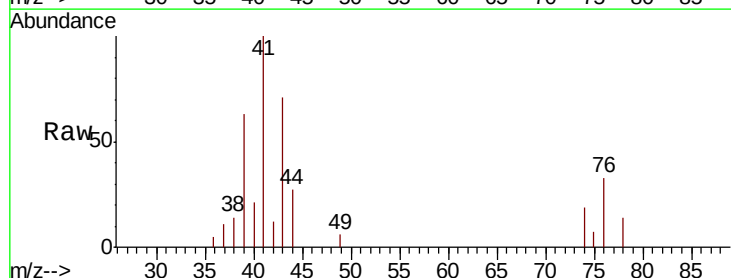
RT: 4.29 min Scan# 783

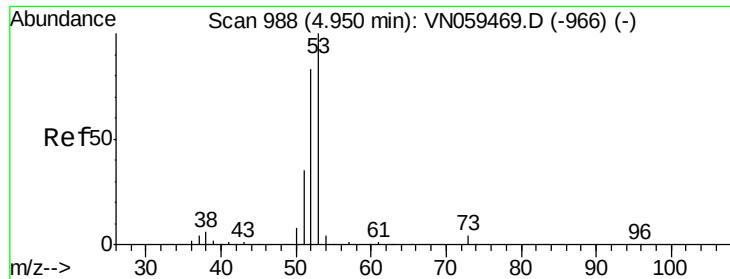
Delta R.T. -0.01 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Tgt Ion:	41	Resp:	9554
Ion	Ratio	Lower	Upper
41	100		
39	61.8	49.3	73.9
76	29.0	25.6	38.4





#15

Acrylonitrile

Concen: 5.959 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

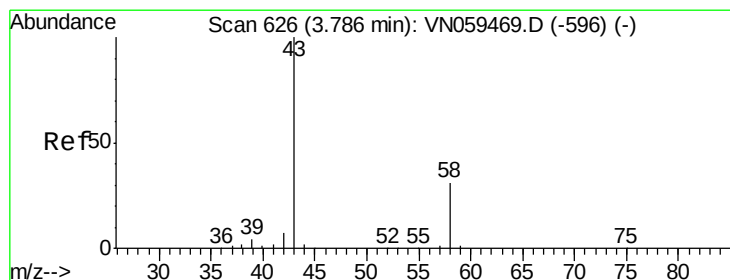
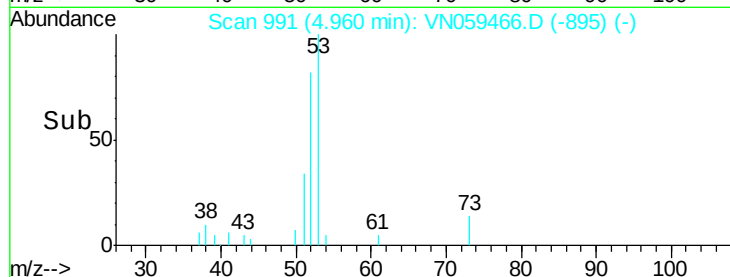
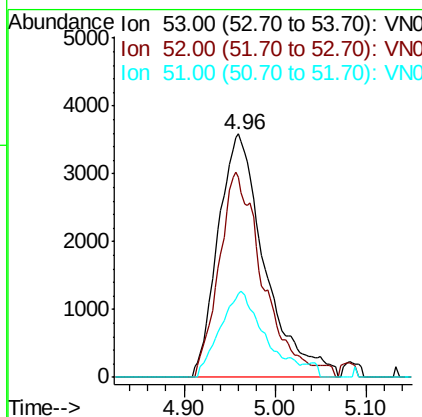
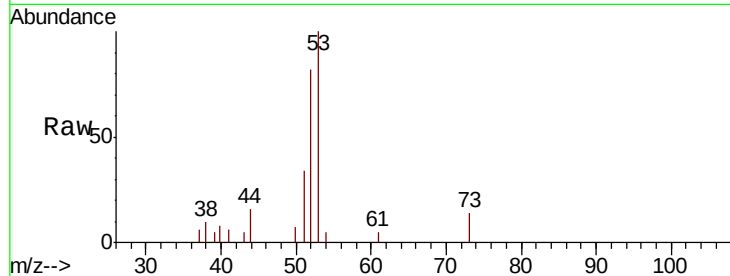
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	12779
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.5	98.3
51	33.4	28.5	42.7

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#16

Acetone

Concen: 9.665 ug/l

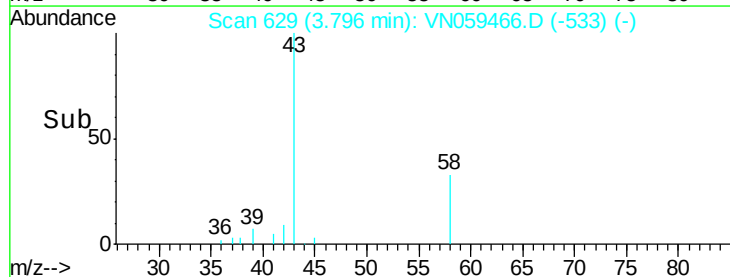
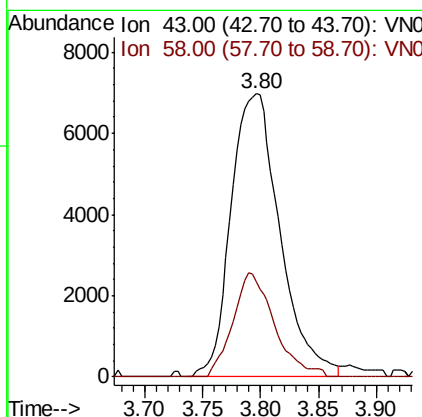
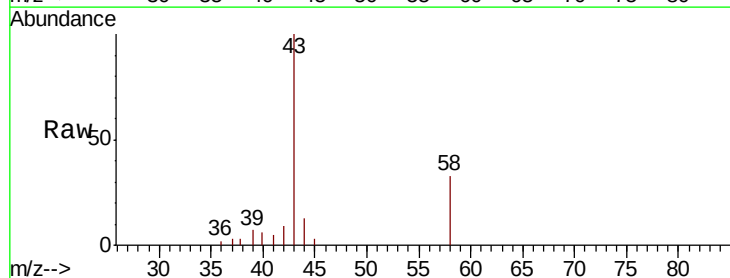
RT: 3.80 min Scan# 629

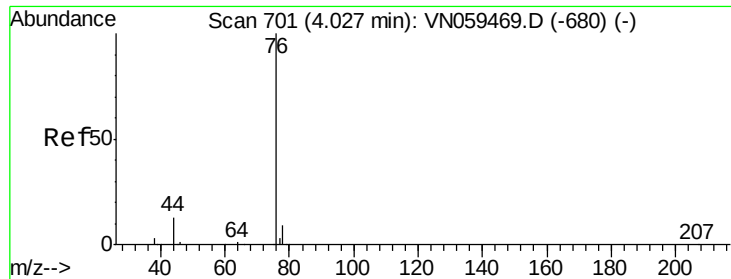
Delta R.T. 0.01 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Tgt Ion:	43	Resp:	20508
Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.9	37.3





#17

Carbon Disulfide

Concen: 1.352 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 76 Resp: 17120

Ion Ratio Lower Upper

76 100

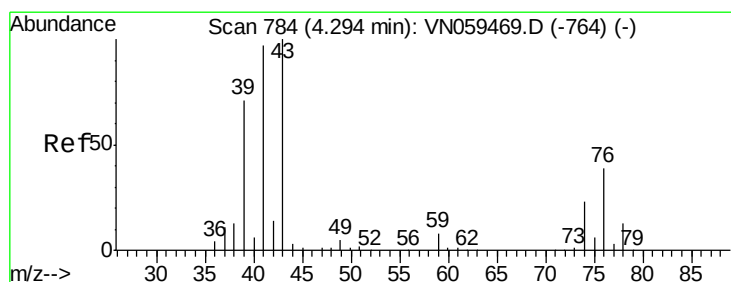
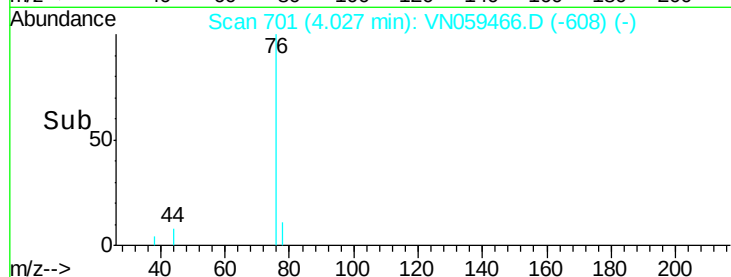
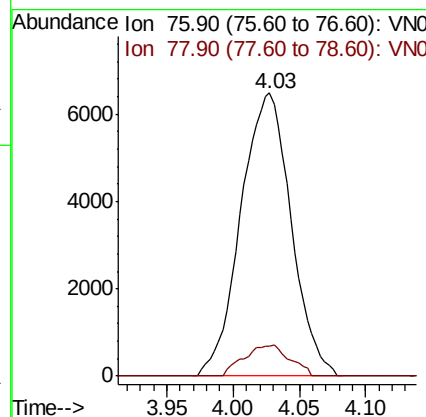
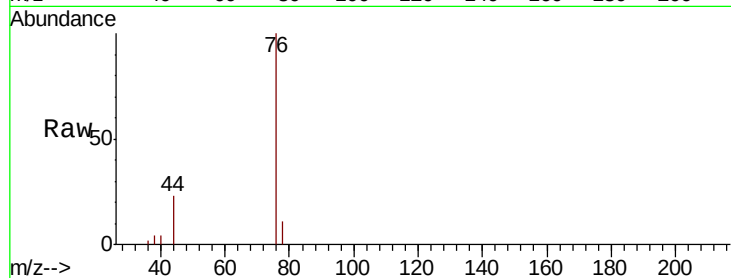
78 10.8 7.0 10.6#

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#18

Methyl Acetate

Concen: 1.248 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN059466.D

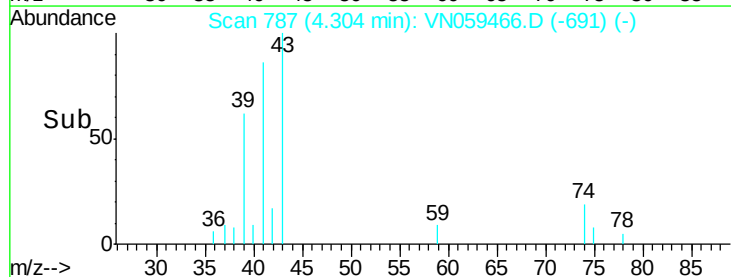
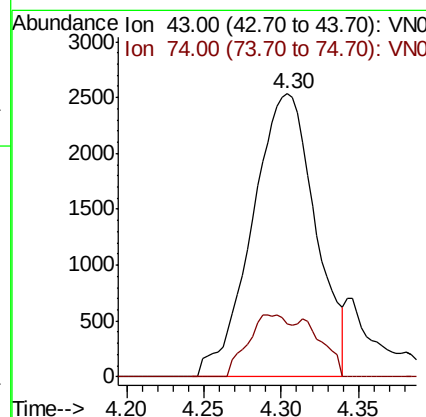
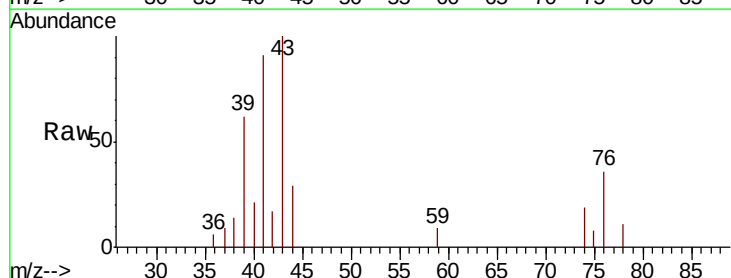
Acq: 3 Dec 2019 13:19

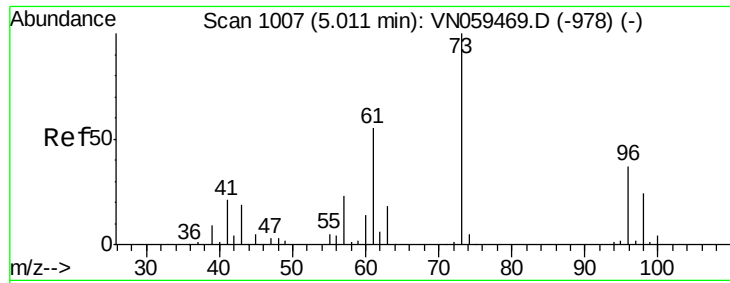
Tgt Ion: 43 Resp: 7187

Ion Ratio Lower Upper

43 100

74 14.6 18.3 27.5#





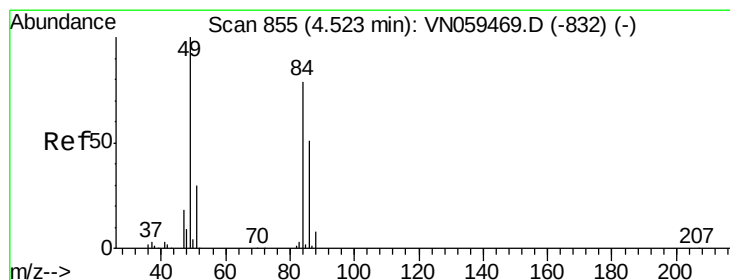
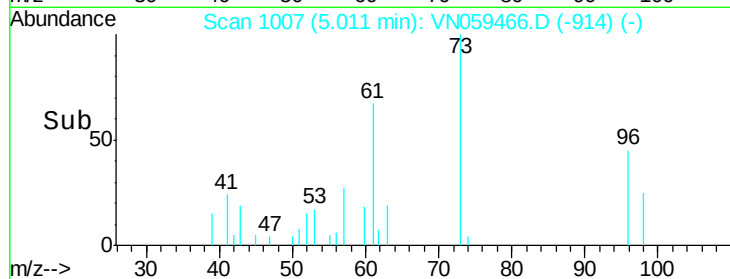
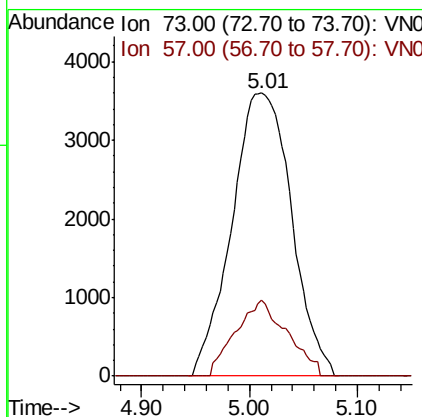
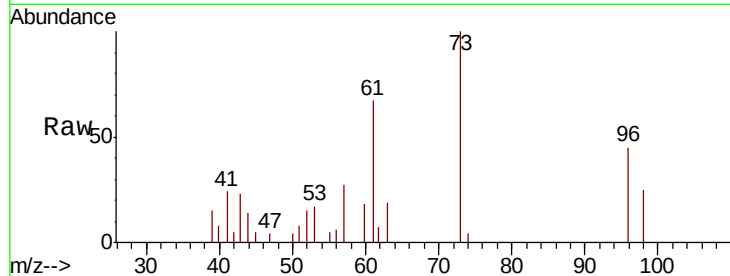
#19
Methyl tert-butyl Ether
Concen: 1.153 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 13840
Ion Ratio Lower Upper
73 100
57 26.9 18.0 27.0

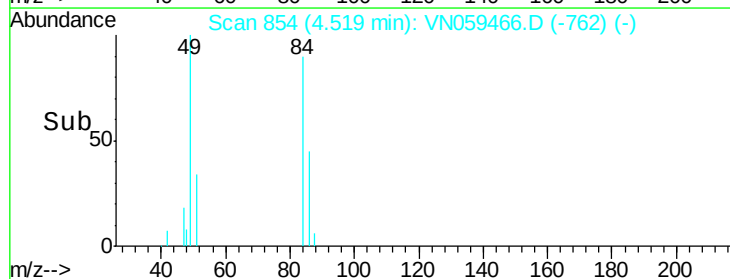
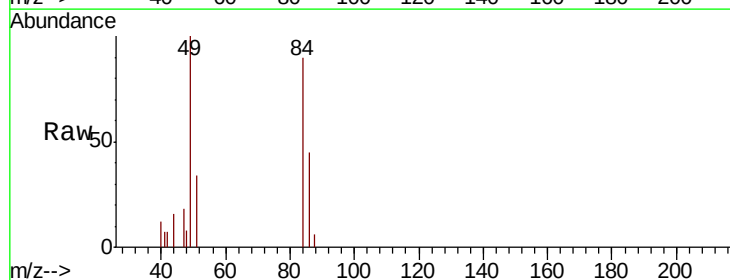
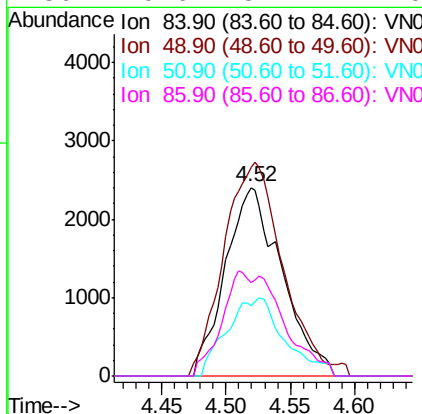
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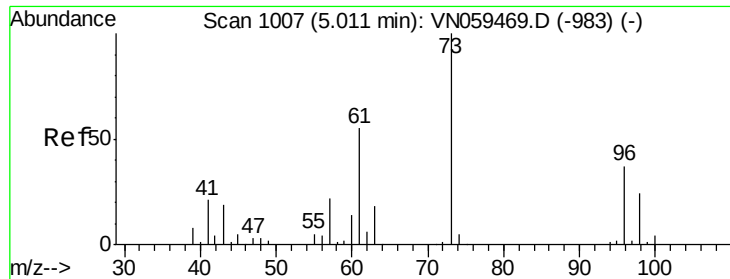
apatel
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#20
Methylene Chloride
Concen: 1.719 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion: 84 Resp: 7306
Ion Ratio Lower Upper
84 100
49 110.7 101.1 151.7
51 37.5 30.7 46.1
86 49.6 51.4 77.0#





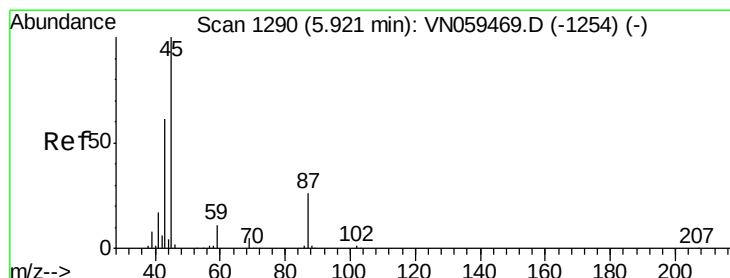
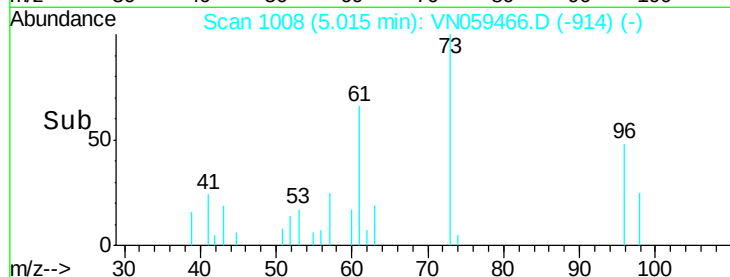
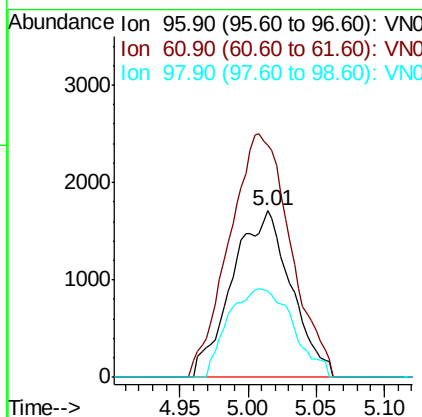
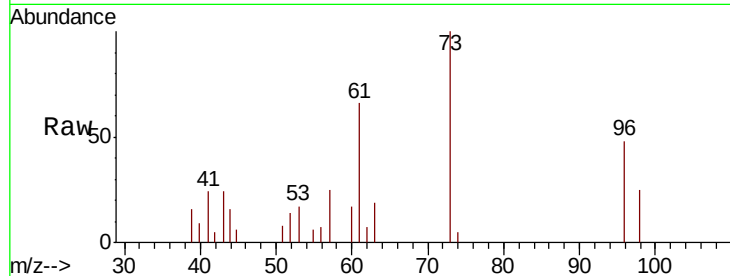
#21
trans-1,2-Dichloroethene
Concen: 1.278 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	118.9	178.3
98	51.9	51.6	77.4

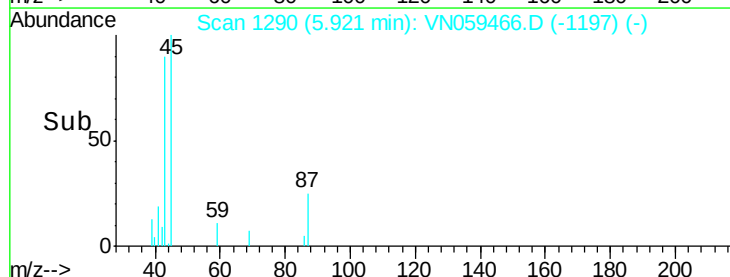
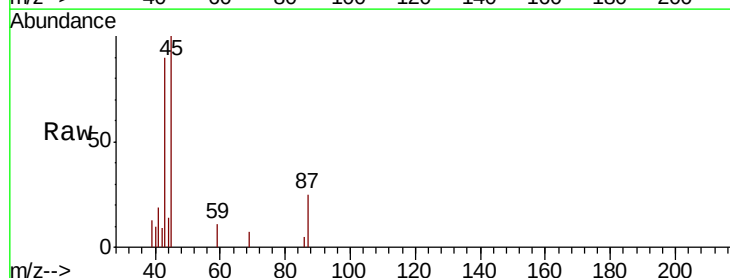
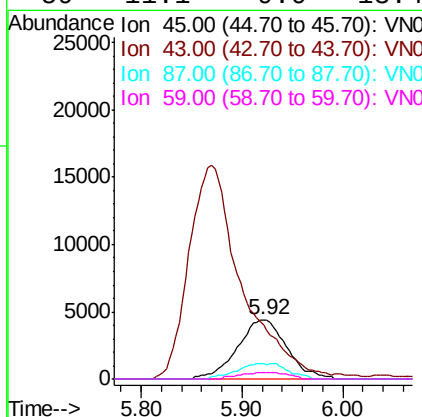
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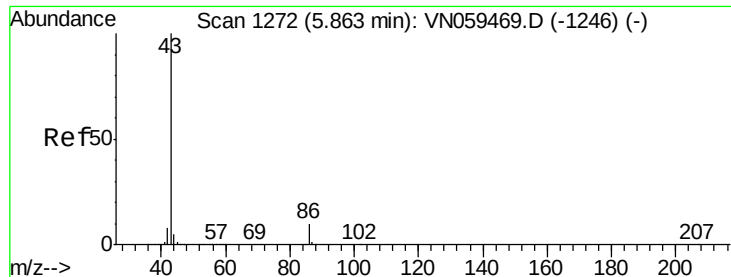
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#22
Diisopropyl ether
Concen: 1.164 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.9	49.1	73.7#
87	25.1	21.6	32.4
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 5.543 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 57810

Ion Ratio Lower Upper

43 100

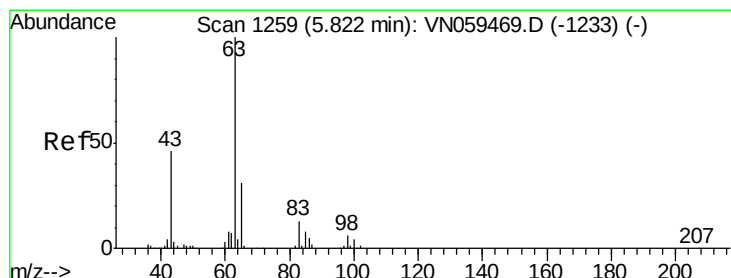
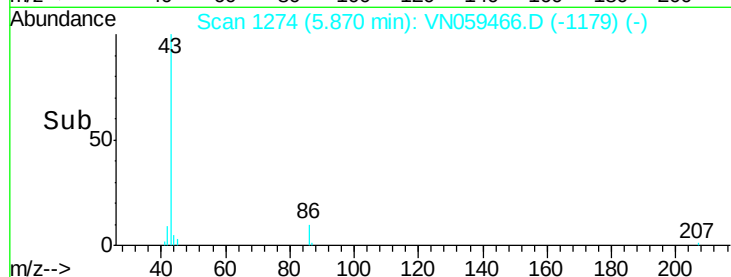
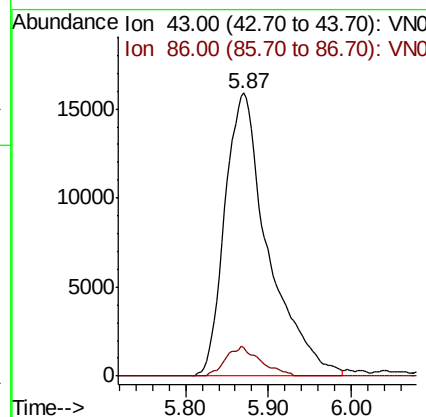
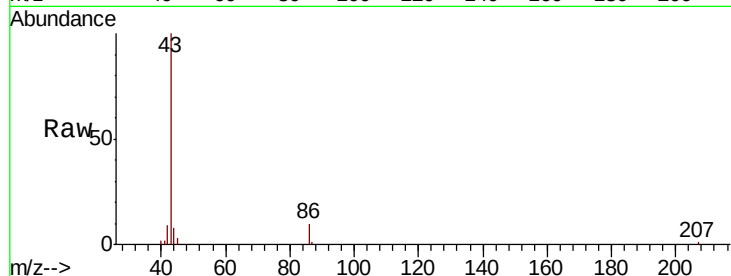
86 10.2 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 1.218 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

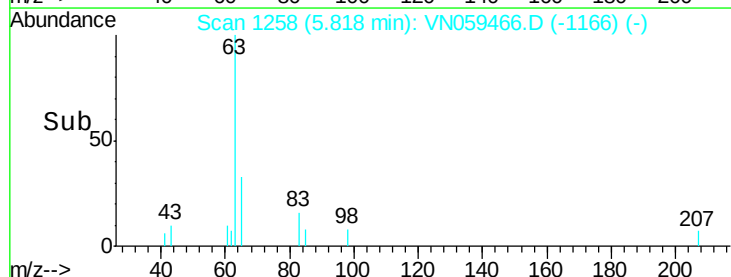
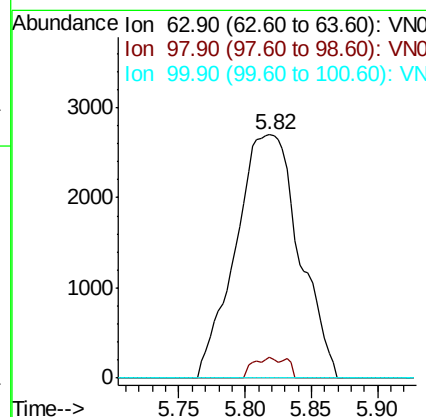
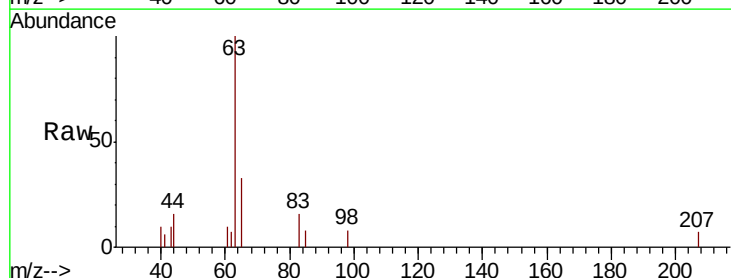
Tgt Ion: 63 Resp: 8996

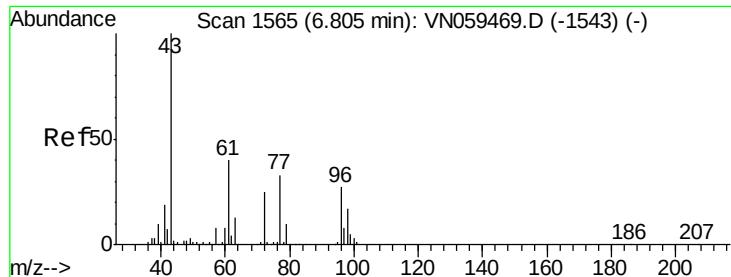
Ion Ratio Lower Upper

63 100

98 8.4 3.2 9.6

100 0.0 2.0 6.0#





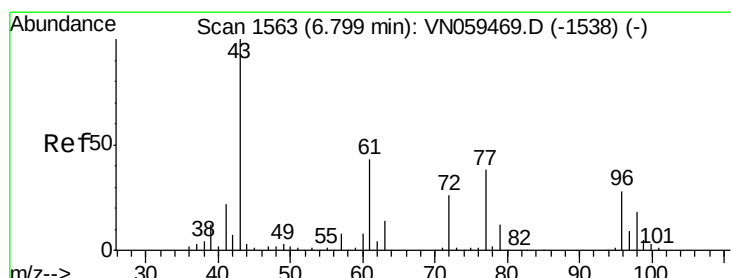
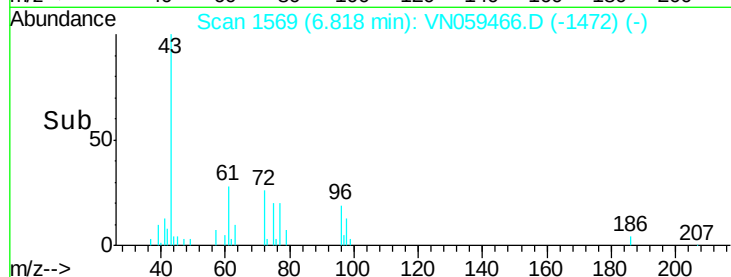
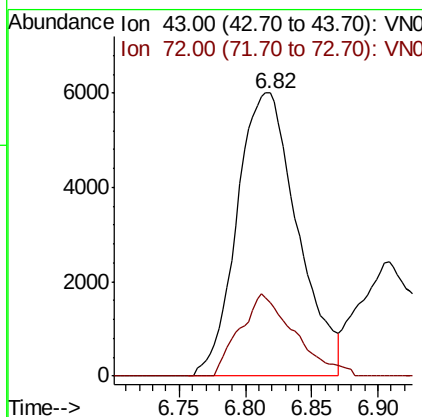
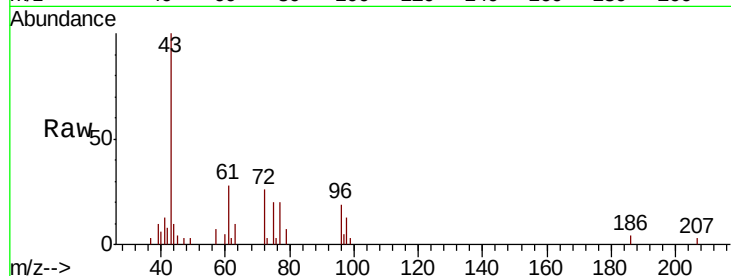
#25
2-Butanone
Concen: 6.531 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 19108
Ion Ratio Lower Upper
43 100
72 25.8 20.2 30.2

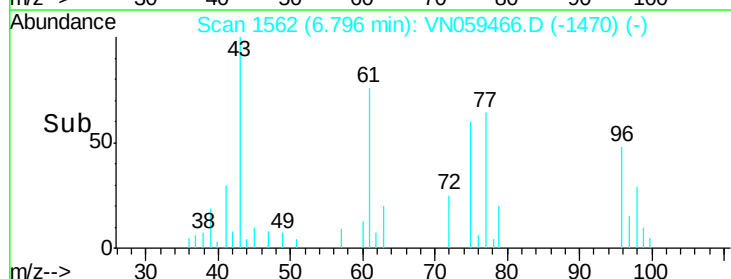
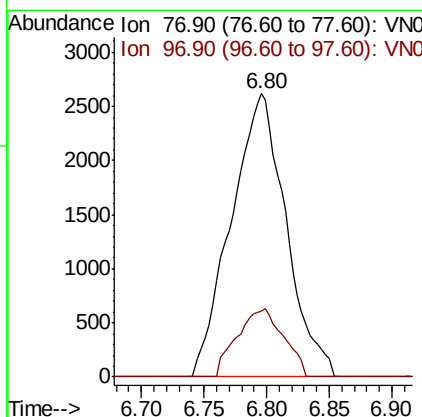
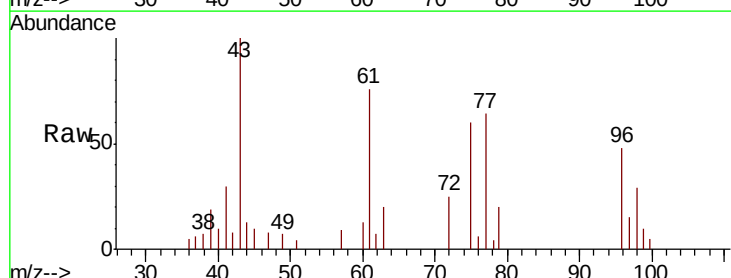
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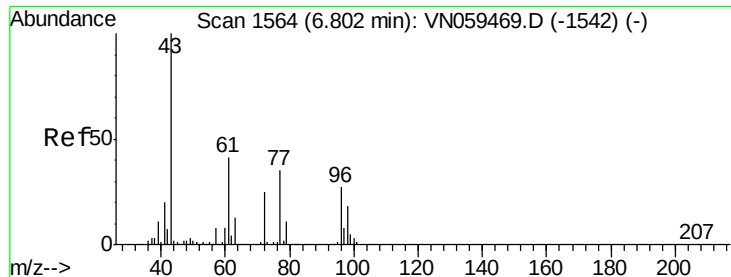
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#26
2,2-Dichloropropane
Concen: 1.266 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion: 77 Resp: 7964
Ion Ratio Lower Upper
77 100
97 20.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 1.267 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

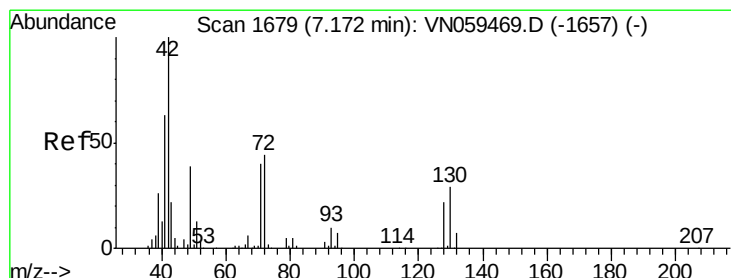
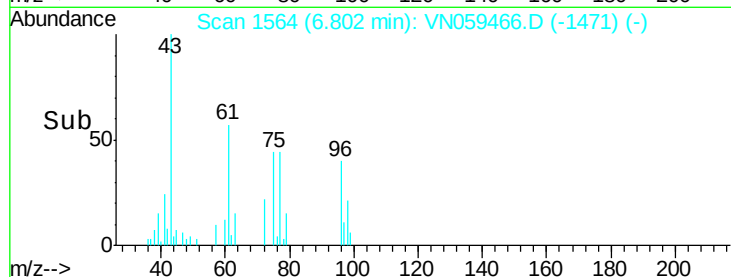
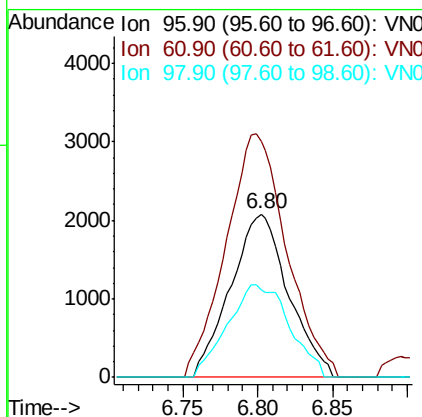
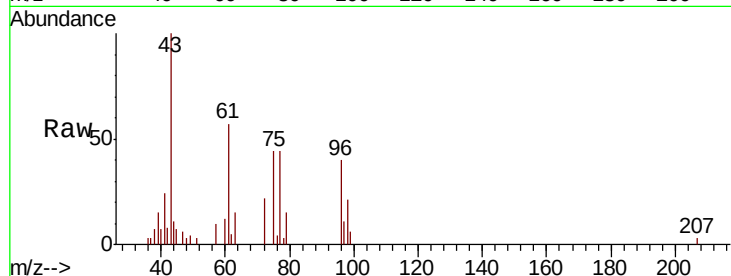
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5594
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	307.4
98	60.5	0.0	129.2

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#28

Bromochloromethane

Concen: 0.694 ug/l

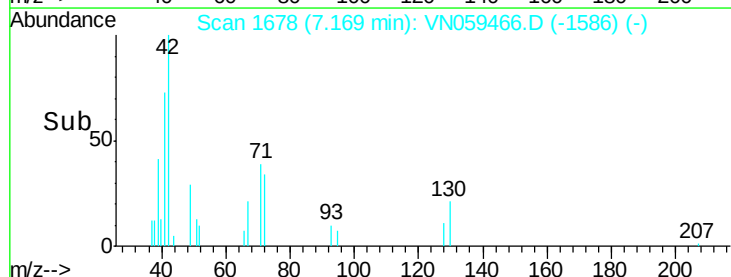
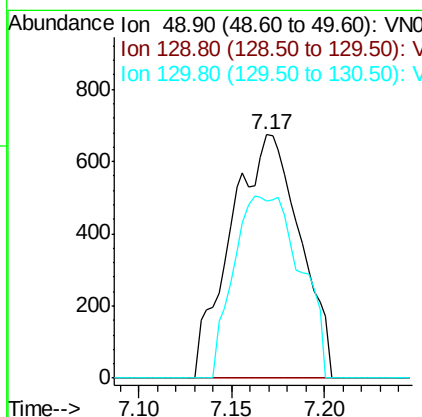
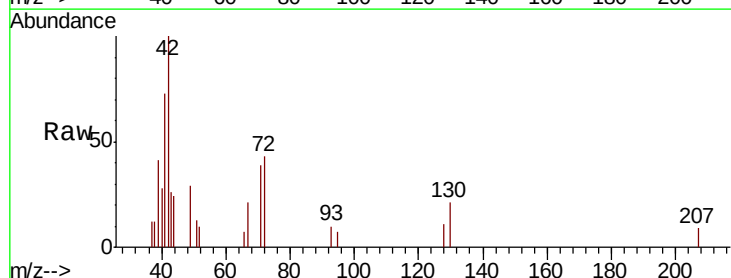
RT: 7.17 min Scan# 1678

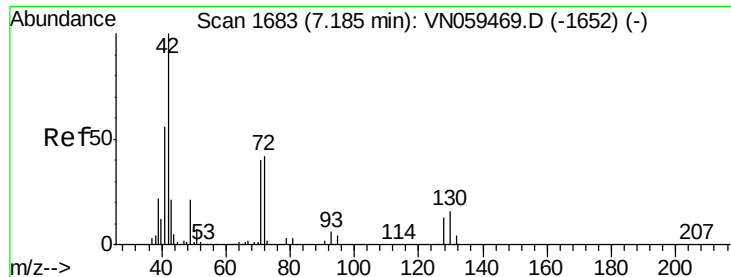
Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Tgt Ion:	49	Resp:	1746
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	71.8	58.4	87.6





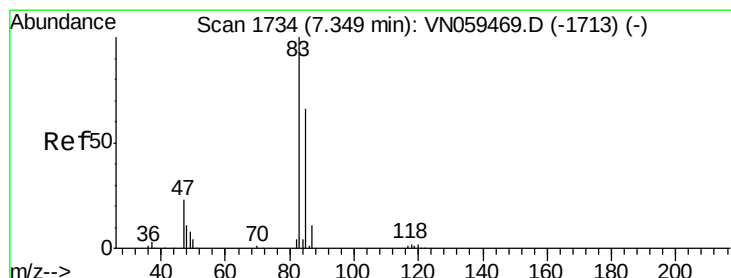
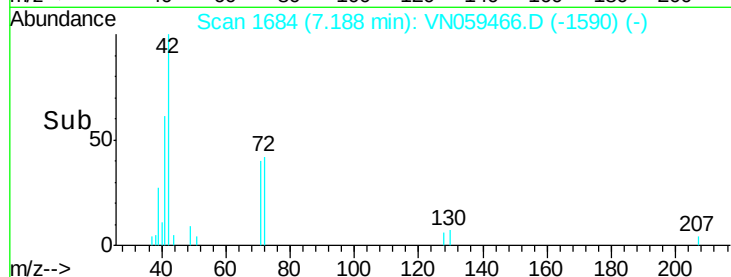
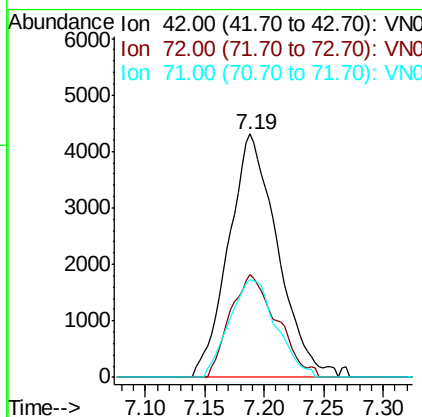
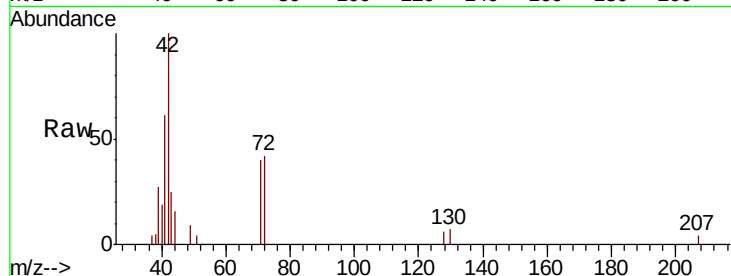
#29
Tetrahydrofuran
Concen: 6.318 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.2	51.2
71	38.3	32.0	48.0

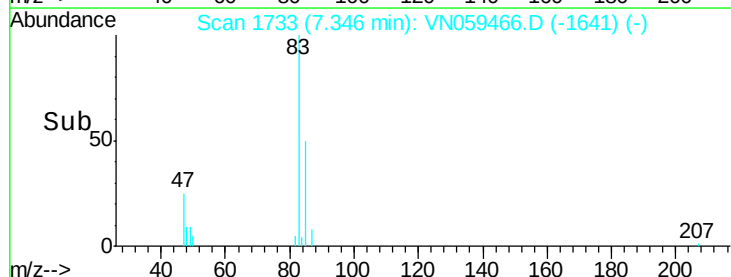
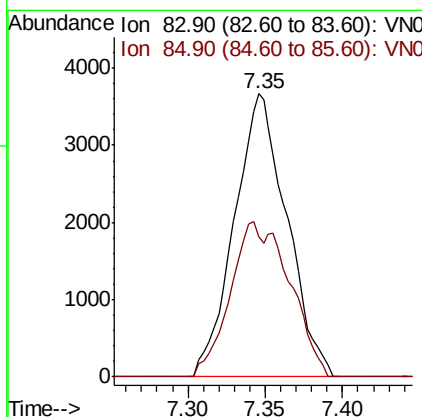
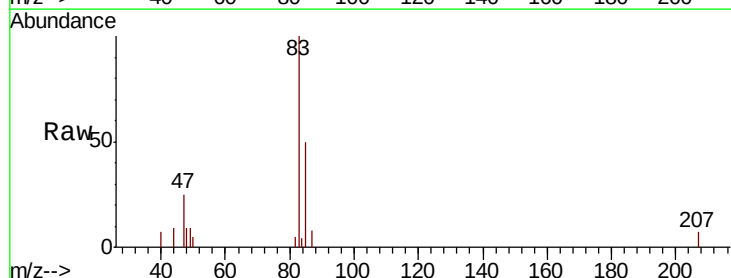
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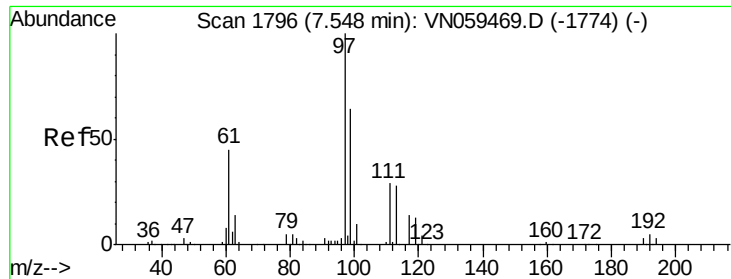
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#30
Chloroform
Concen: 1.164 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.6	52.4	78.6





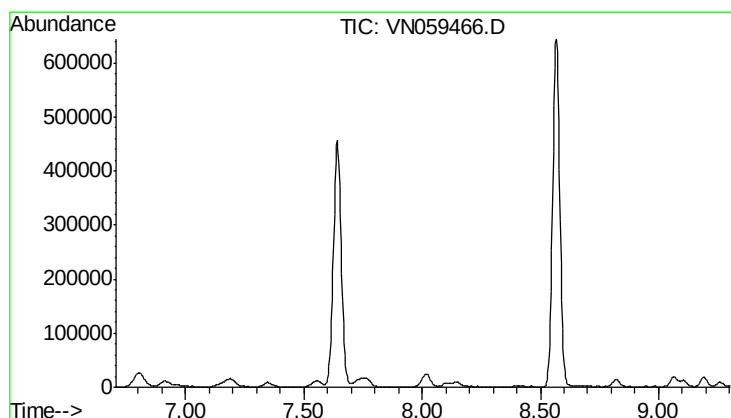
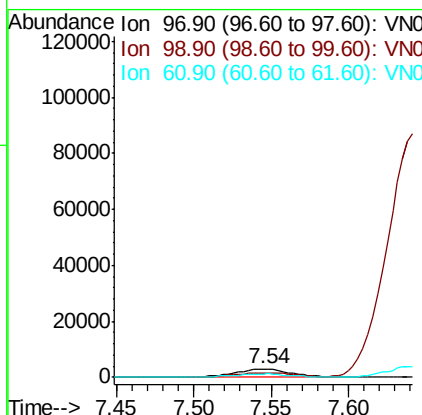
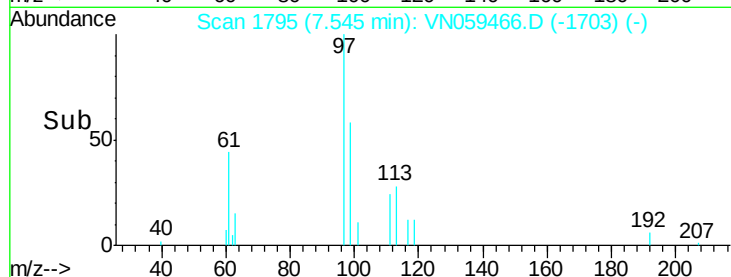
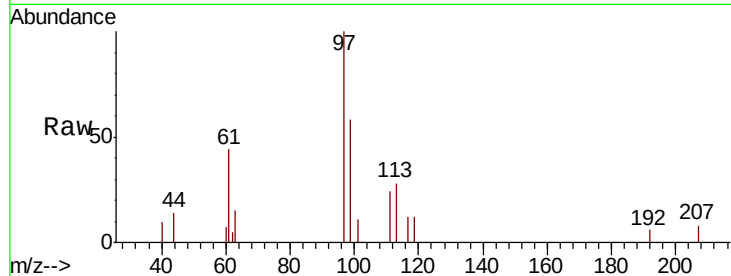
#32
 1,1,1-Trichloroethane
 Concen: 1.211 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	42.8	35.4	53.0

Manual Integrations
 APPROVED

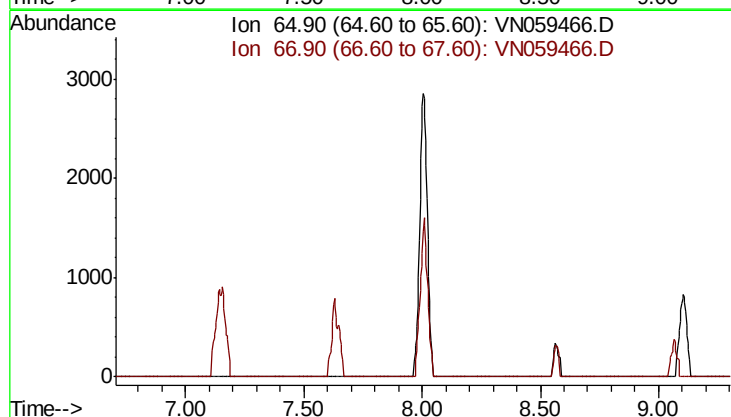
apatel
 12/4/2019 9:21:55 AM

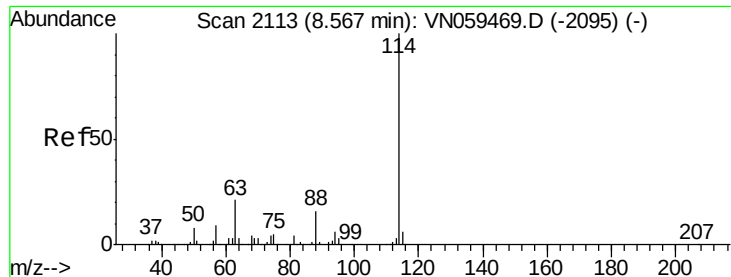


#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.00 min

Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Exp Ratio
65	100
67	53.7





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

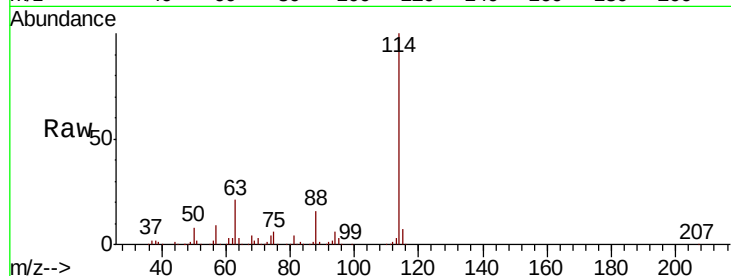
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	585643
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	42.4
88	15.8	0.0	32.8

Manual Integrations
APPROVED

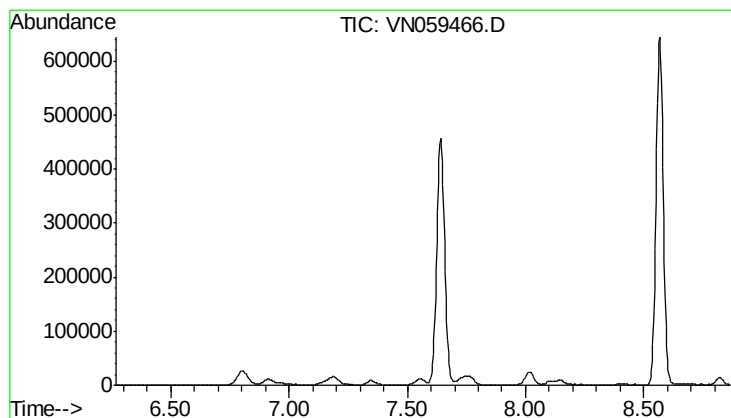
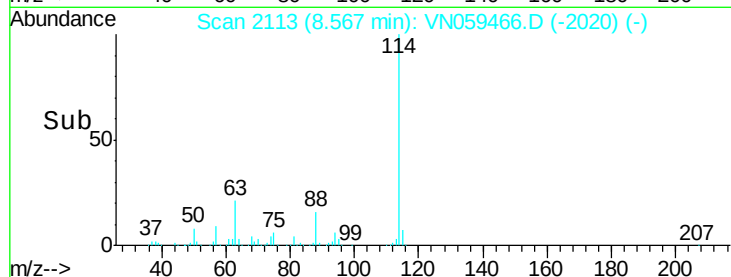
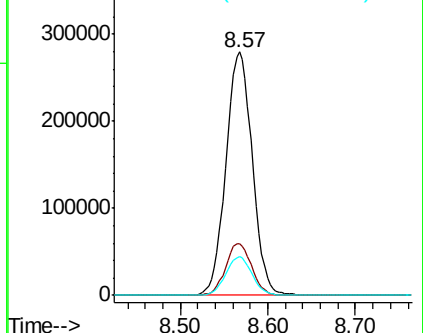
apatel
12/4/2019 9:21:55 AM



Abundance Ion 113.90 (113.60 to 114.60): VN059466.D

Ion 63.00 (62.70 to 63.70): VN059466.D

Ion 87.90 (87.60 to 88.60): VN059466.D



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.57 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

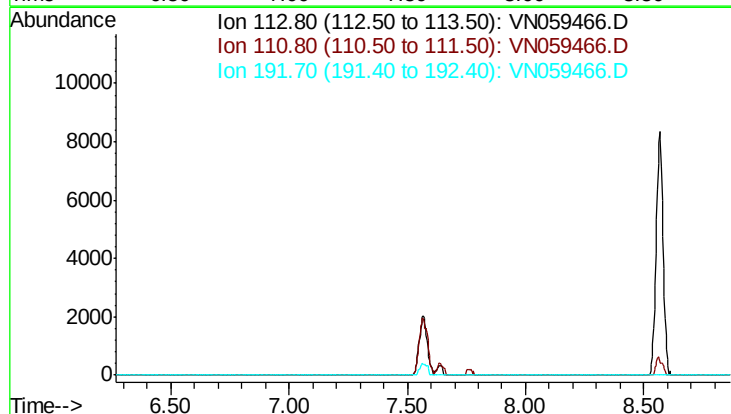
Tgt Ion: 113

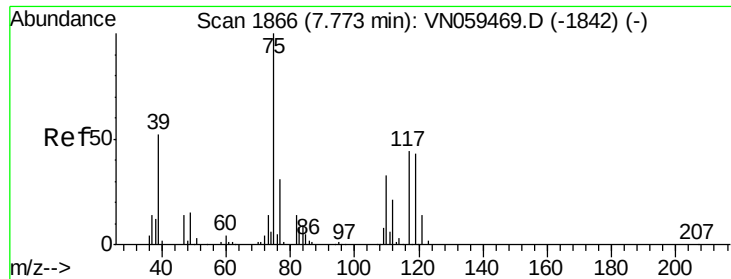
Sig Exp Ratio

113 100

111 103.1

192 20.1





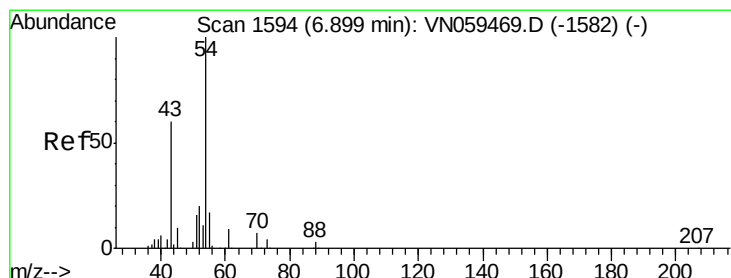
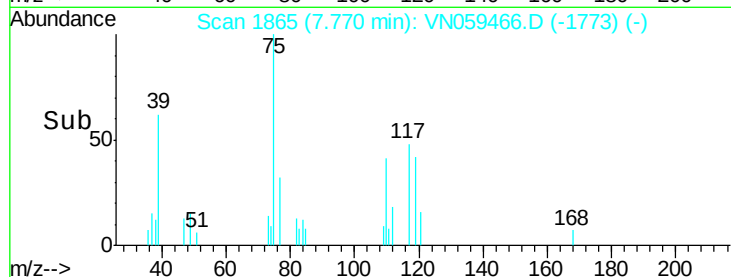
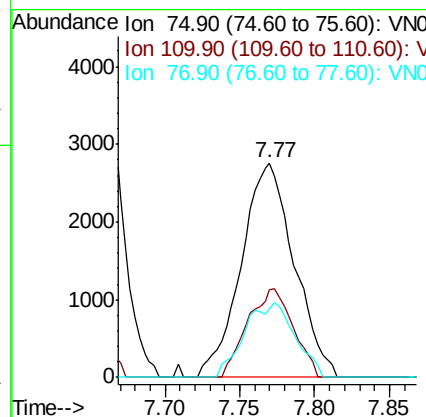
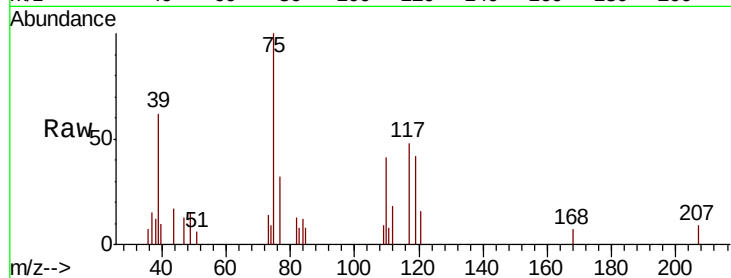
#36
 1,1-Dichloropropene
 Concen: 1.194 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.9	50.7
77	33.0	25.1	37.7

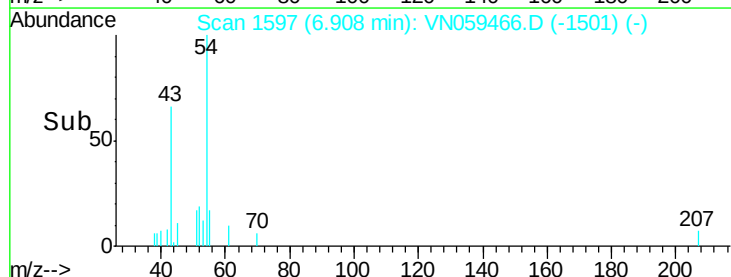
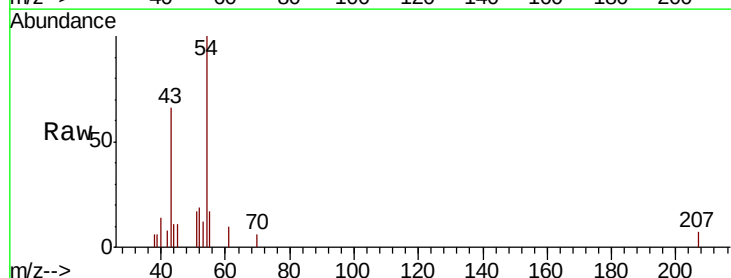
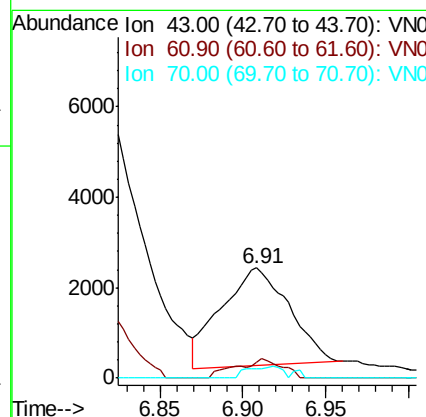
Manual Integrations
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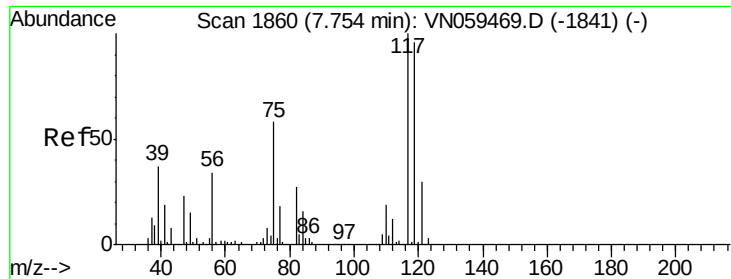
apatel
 12/4/2019 9:21:55 AM



#37
 Ethyl Acetate
 Concen: 1.009 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.3	11.3	16.9#
70	6.0	8.3	12.5#





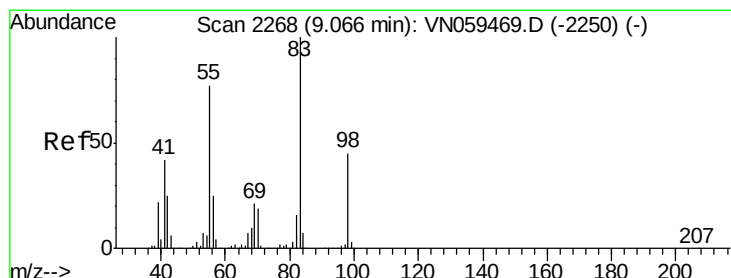
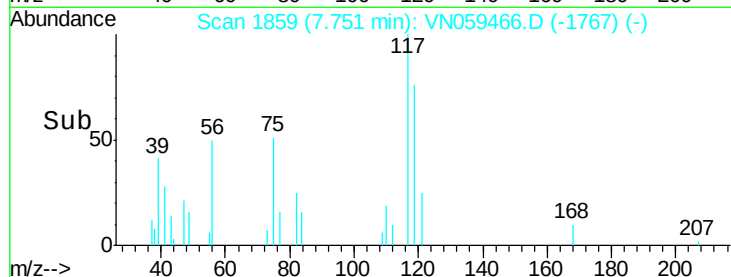
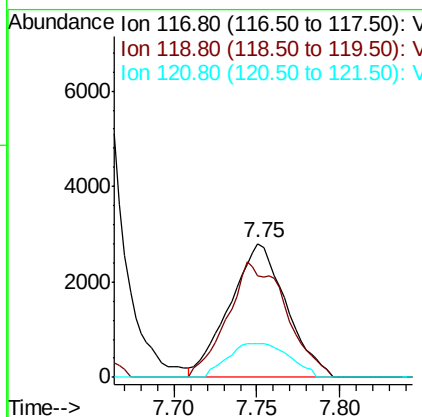
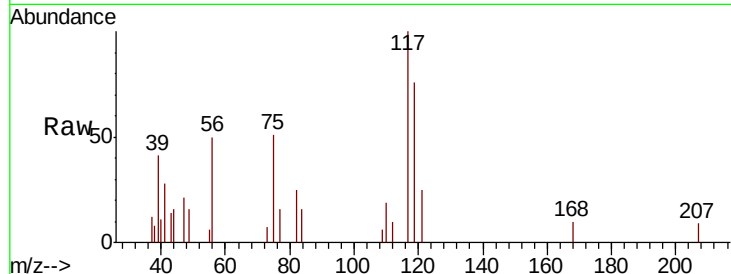
#38
Carbon Tetrachloride
Concen: 1.229 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	76.0	76.6	114.8#
121	25.0	24.0	36.0

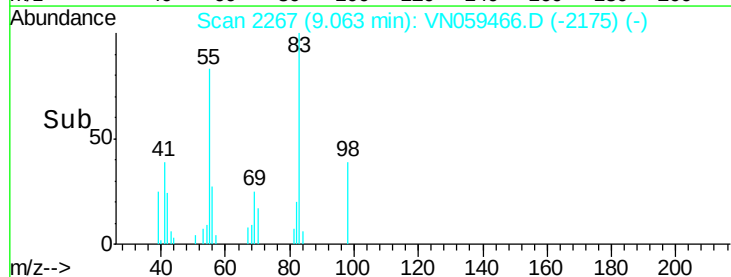
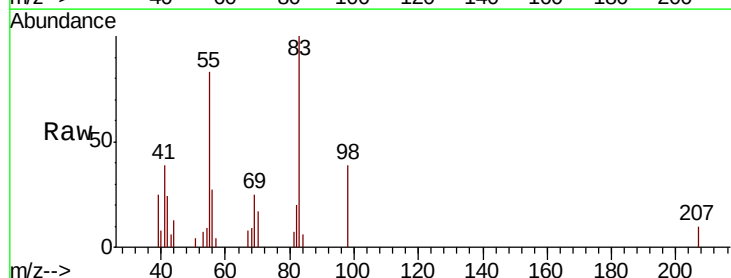
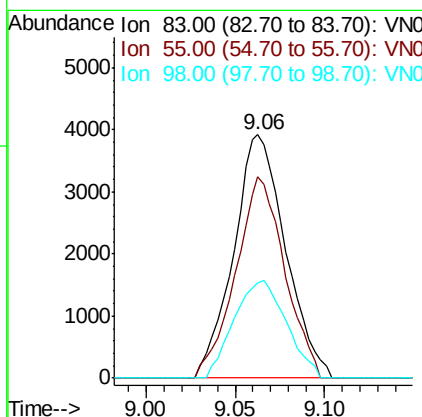
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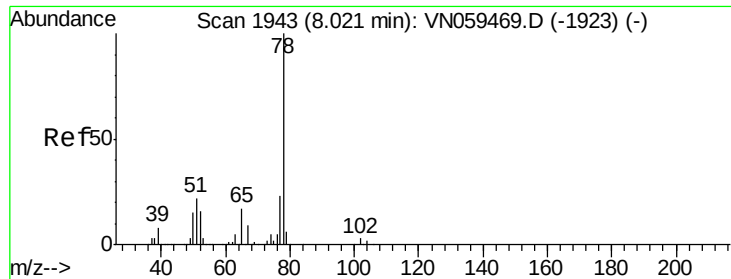
apatel
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#39
Methylcyclohexane
Concen: 1.164 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.6	61.8	92.6
98	39.3	36.2	54.2





#40

Benzene

Concen: 1.216 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 20593

Ion Ratio Lower Upper

78 100

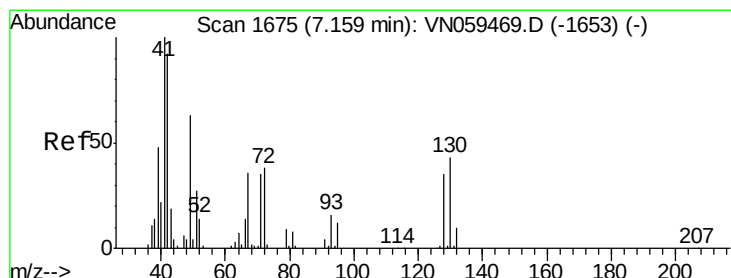
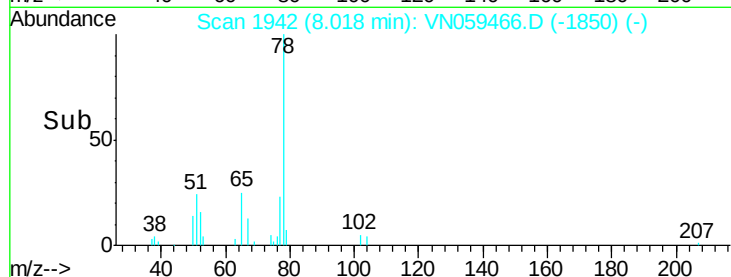
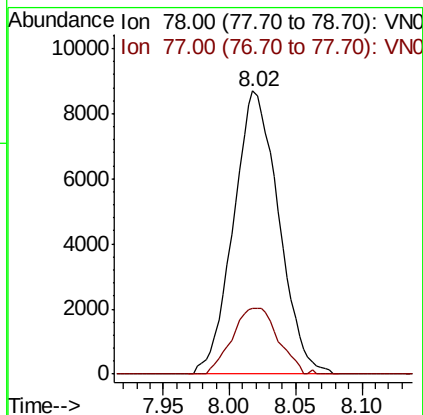
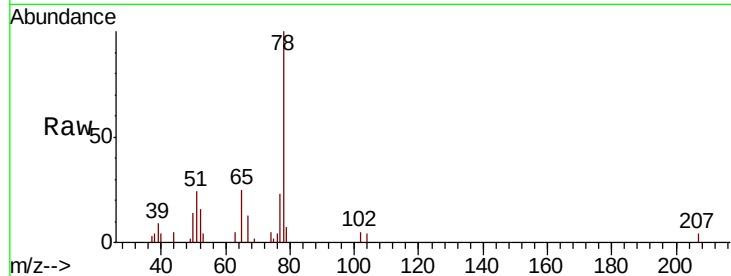
77 23.1 18.2 27.2

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.896 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Tgt Ion: 41 Resp: 2554

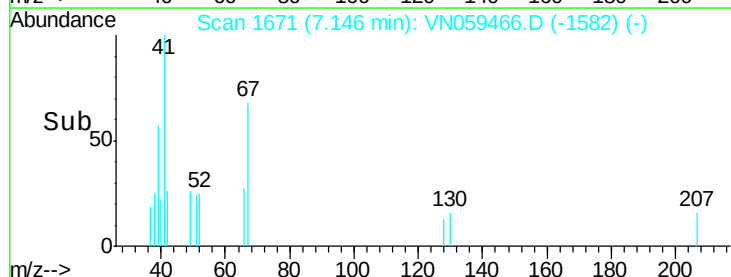
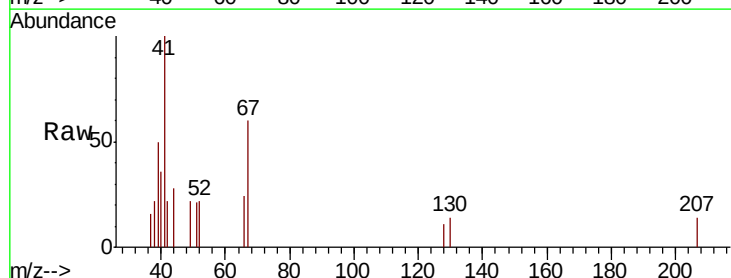
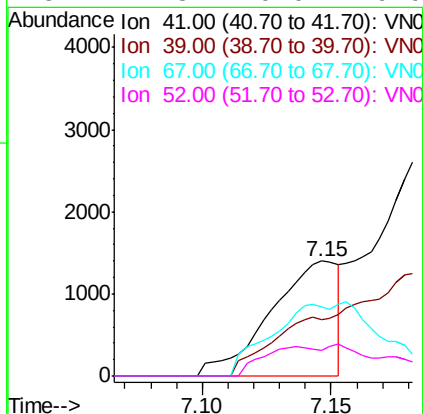
Ion Ratio Lower Upper

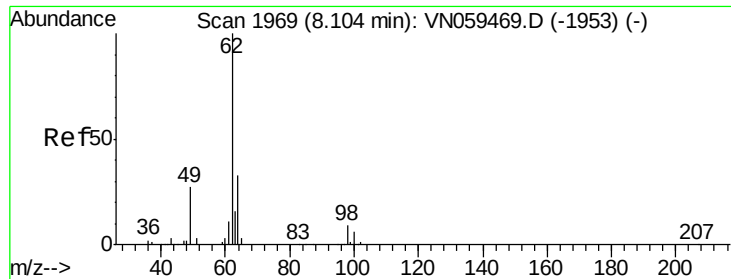
41 100

39 0.0 0.0 0.0

67 54.9 0.0 0.0#

52 21.8 0.0 0.0#





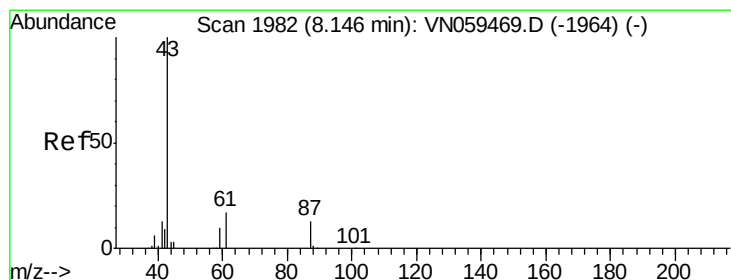
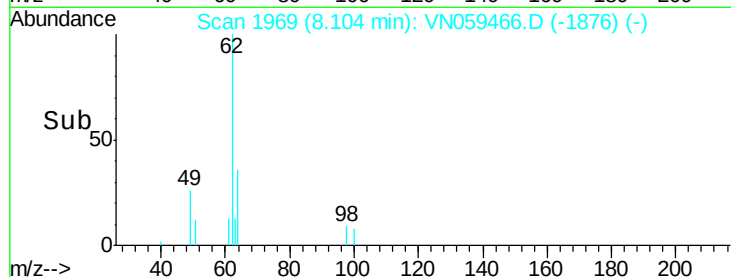
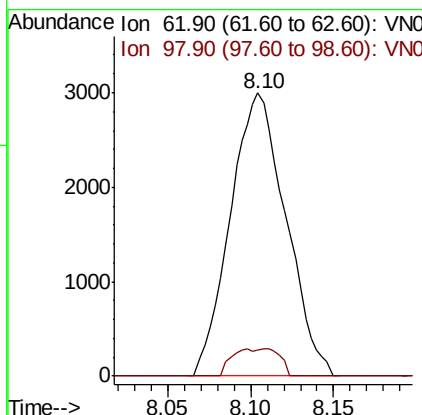
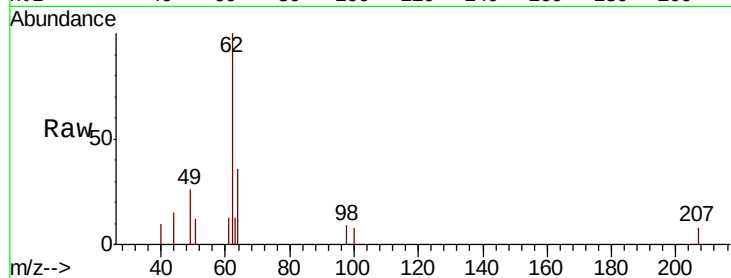
#42
 1,2-Dichloroethane
 Concen: 1.287 ug/l
 RT: 8.10 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	17.8

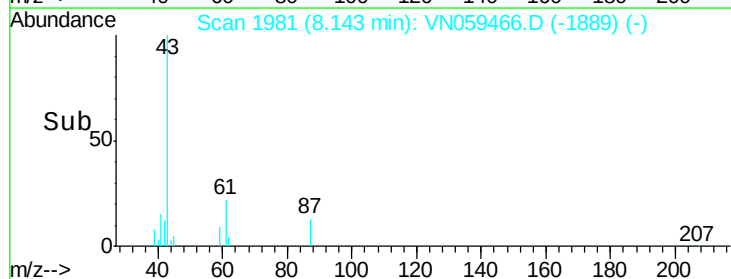
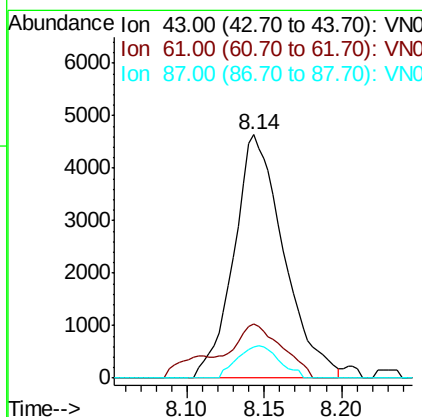
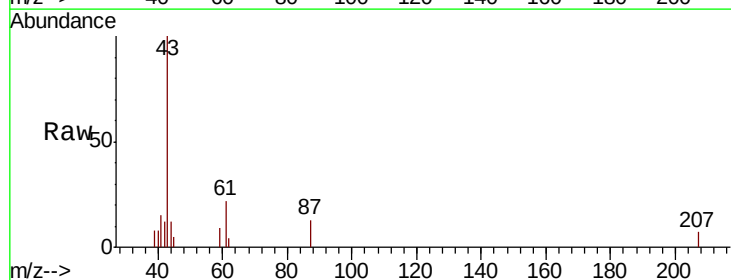
Manual Integrations
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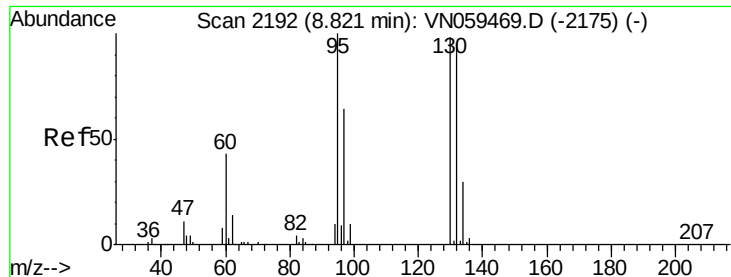
apatel
 12/4/2019 9:21:55 AM



#43
 Isopropyl Acetate
 Concen: 1.117 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.3	21.0	31.6#
87	11.1	10.4	15.6





#44

Trichloroethene

Concen: 1.289 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5557

Ion Ratio Lower Upper

130 100

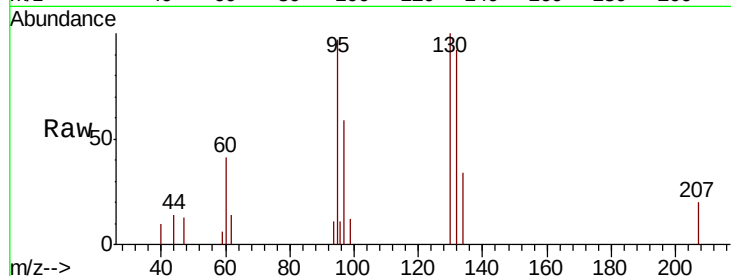
95 96.5 0.0 203.6

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): VN059466.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN059466.D (-2099) (-)

8.82

2500

2000

1500

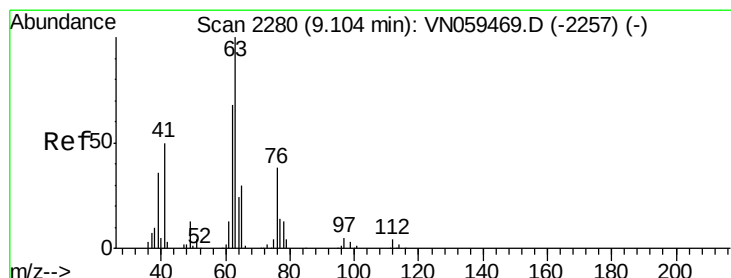
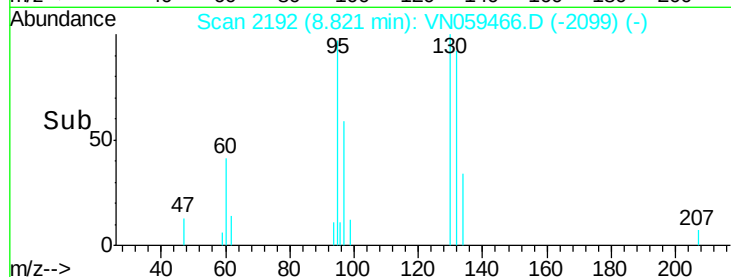
1000

500

0

8.75 8.80 8.85

Time-->



#45

1,2-Dichloropropane

Concen: 1.212 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059466.D

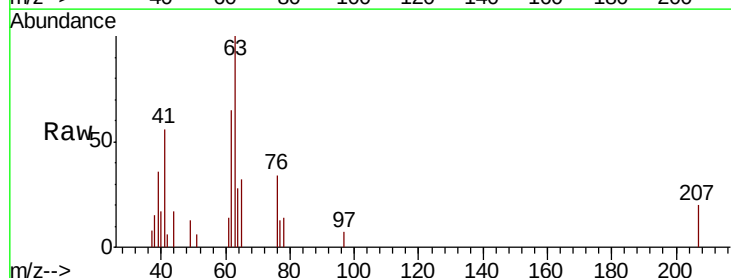
Acq: 3 Dec 2019 13:19

Tgt Ion: 63 Resp: 5372

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN059466.D (-2187) (-)

Ion 64.90 (64.60 to 65.60): VN059466.D (-2187) (-)

9.10

3000

2500

2000

1500

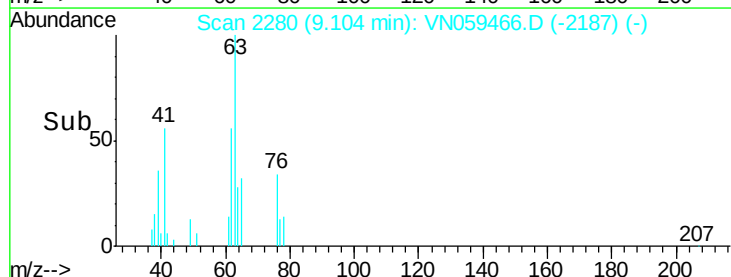
1000

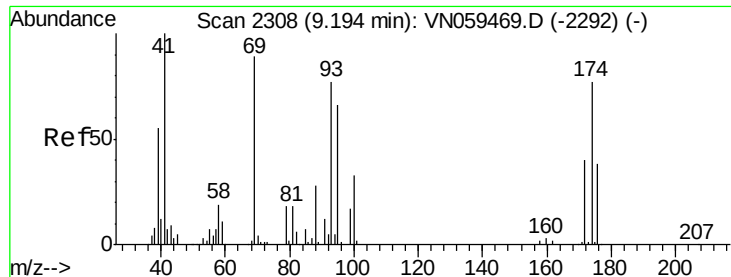
500

0

9.05 9.10 9.15

Time-->





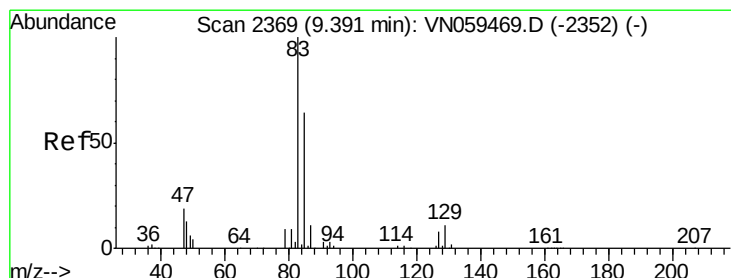
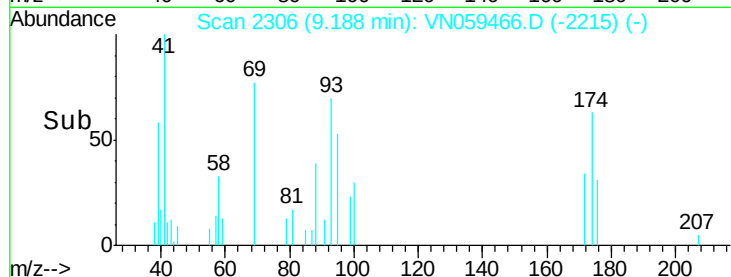
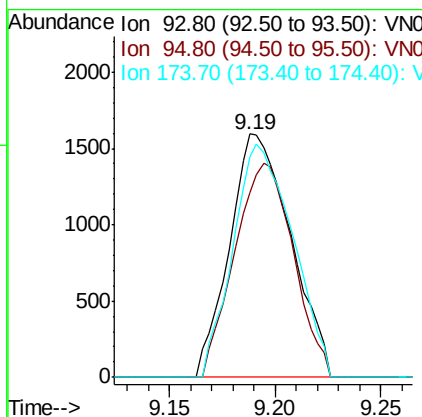
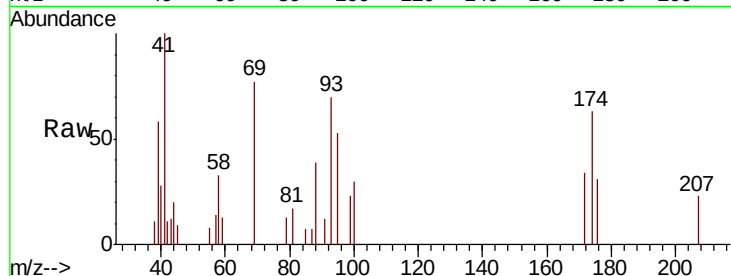
#46
Dibromomethane
Concen: 1.172 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 3210
Ion Ratio Lower Upper
93 100
95 84.5 67.0 100.6
174 93.7 79.6 119.4

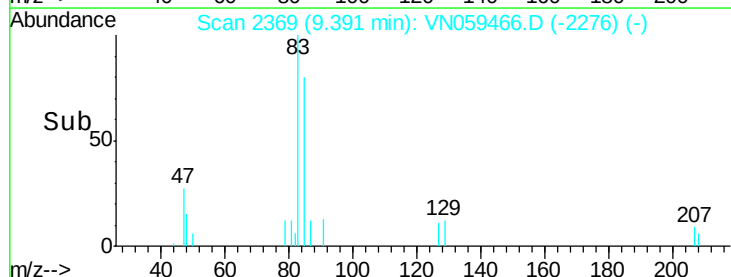
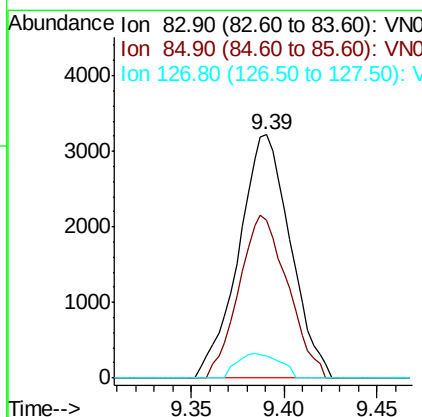
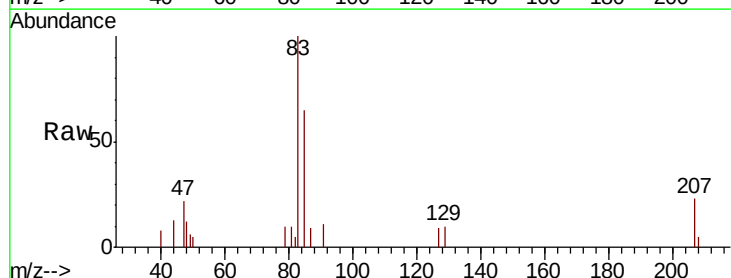
Manual Integrations
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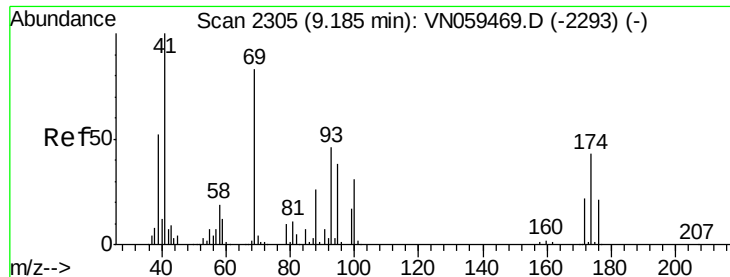
apatel
12/4/2019 9:21:55 AM



#47
Bromodichloromethane
Concen: 1.130 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion: 83 Resp: 6259
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.6
127 9.1 6.6 9.8





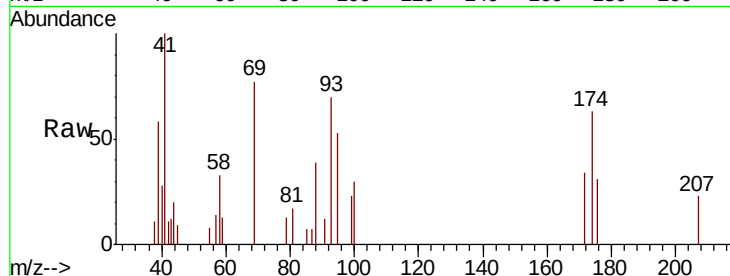
#48
Methvl methacrylate
Concen: 1.221 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	69.7	68.6	103.0
39	52.4	43.2	64.8

Manual Integrations
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apatel
12/4/2019 9:21:55 AM

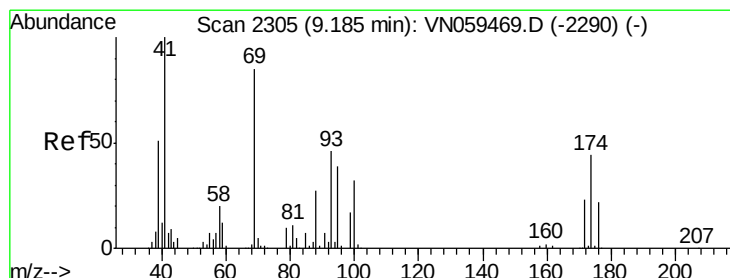
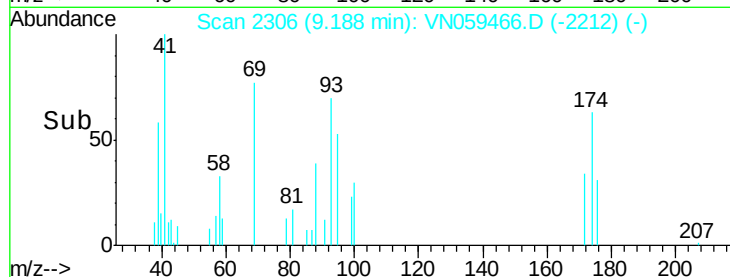
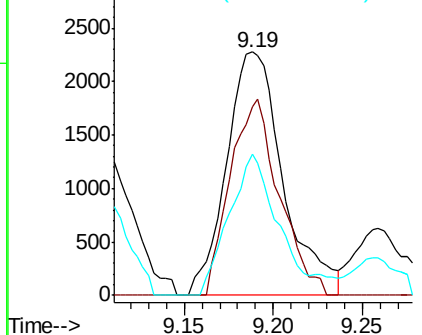


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49
1,4-Dioxane
Concen: 34.308 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

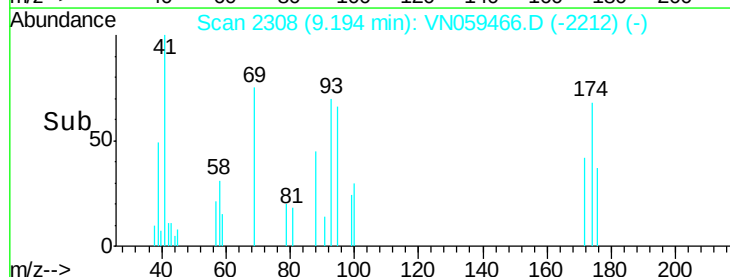
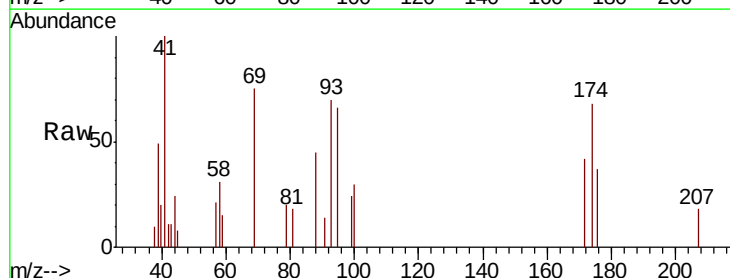
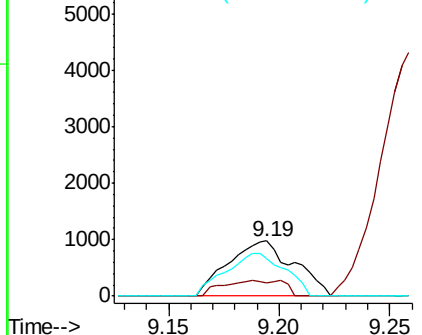
Tgt Ion	Ratio	Lower	Upper
88	100		
43	19.3	27.1	40.7#
58	70.4	57.8	86.6

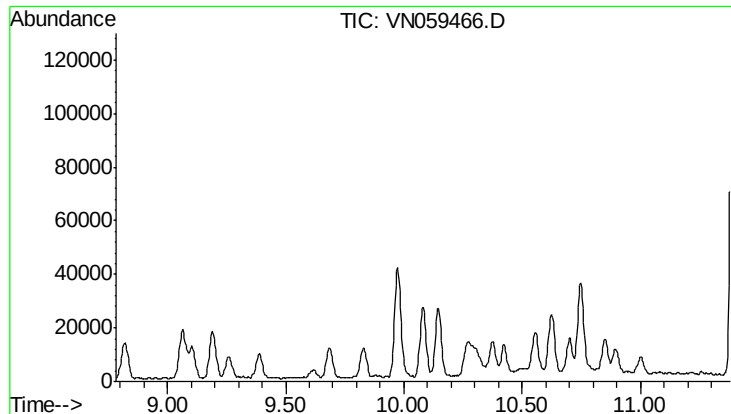
Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





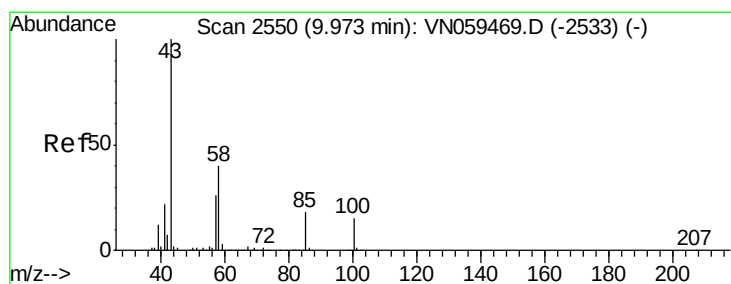
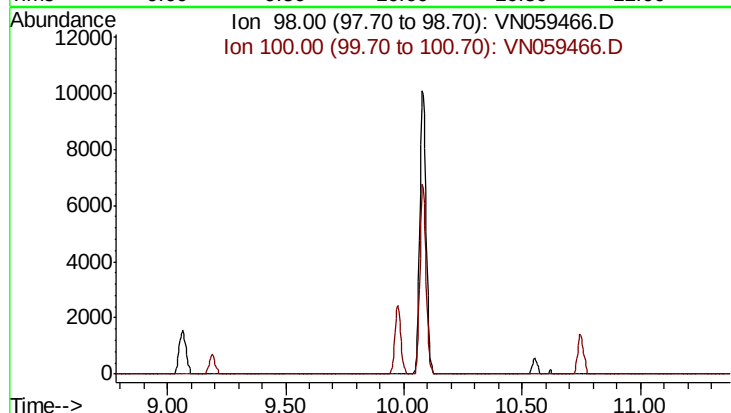
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 65.1

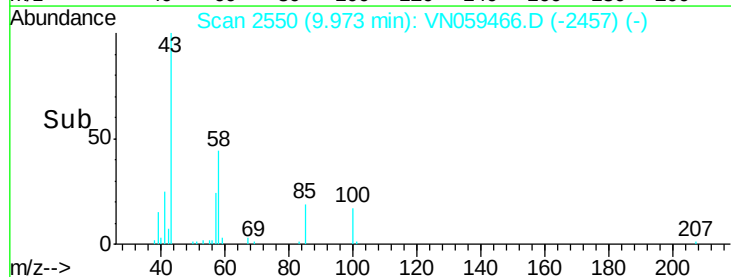
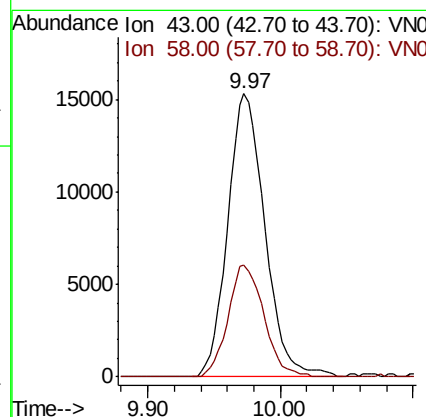
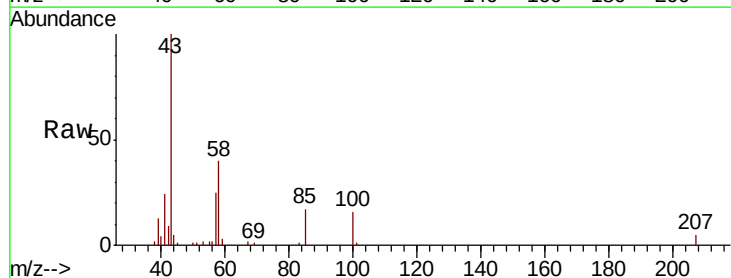
Manual Integrations
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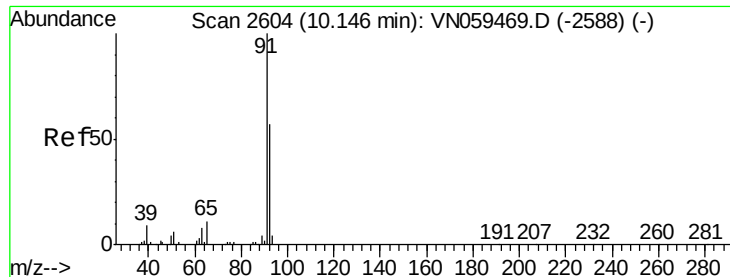
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#51
4-Methyl-2-Pentanone
Concen: 5.479 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion: 43 Resp: 29733
Ion Ratio Lower Upper
43 100
58 38.1 32.1 48.1





#52

Toluene

Concen: 1.200 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 12157

Ion Ratio Lower Upper

92 100

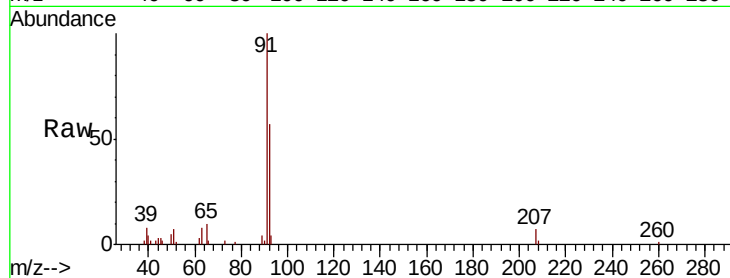
91 169.8 138.6 208.0

Manual Integrations

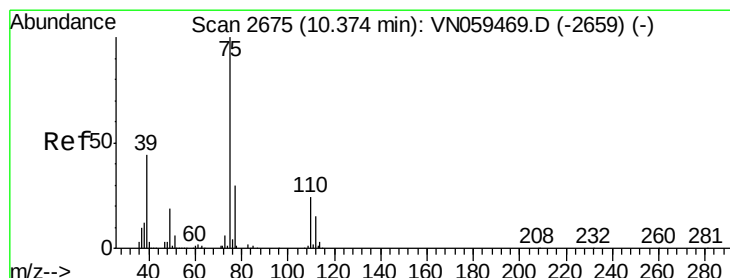
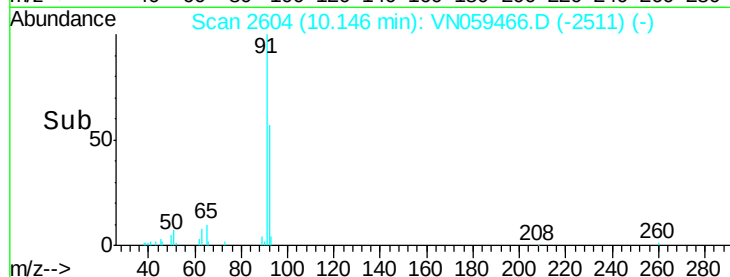
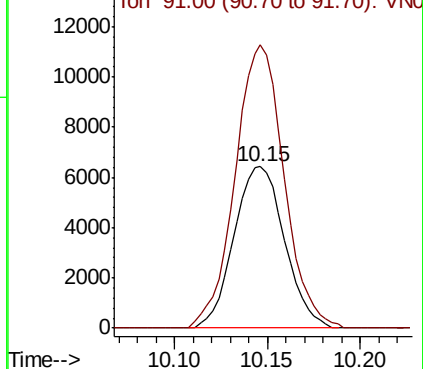
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Abundance Ion 92.00 (91.70 to 92.70): VN059466.D (-2511) (-)



#53

t-1,3-Dichloropropene

Concen: 1.178 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059466.D

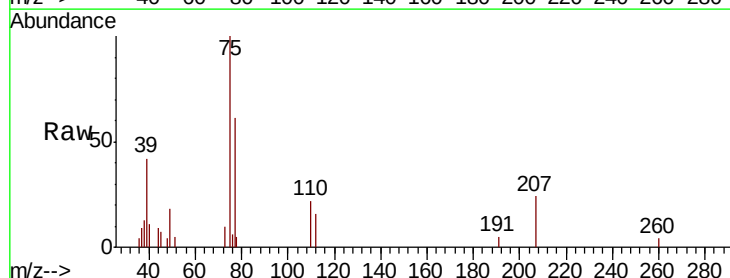
Acq: 3 Dec 2019 13:19

Tgt Ion: 75 Resp: 7507

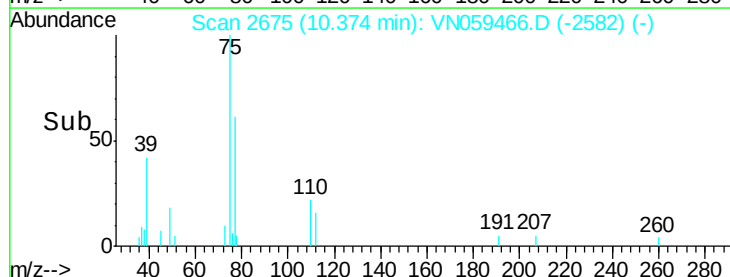
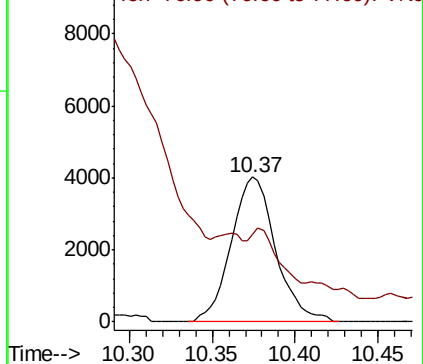
Ion Ratio Lower Upper

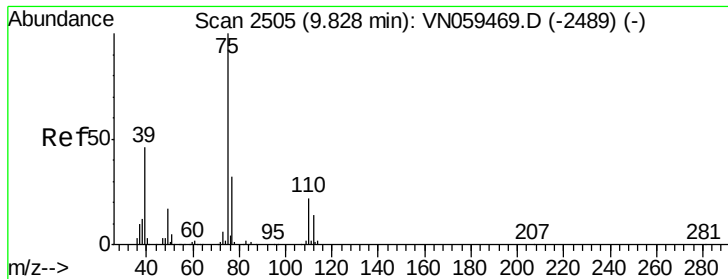
75 100

77 38.2 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN059466.D (-2582) (-)





#54

cis-1,3-Dichloropropene

Concen: 1.083 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

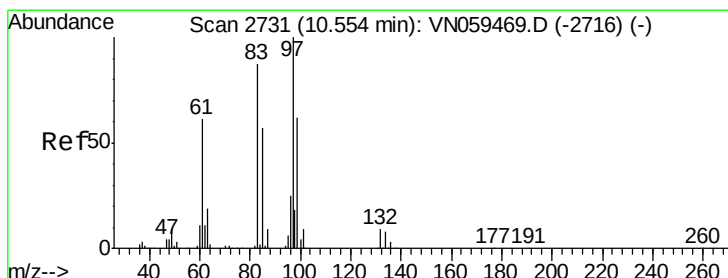
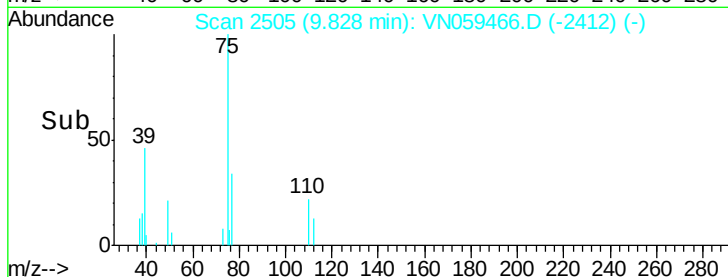
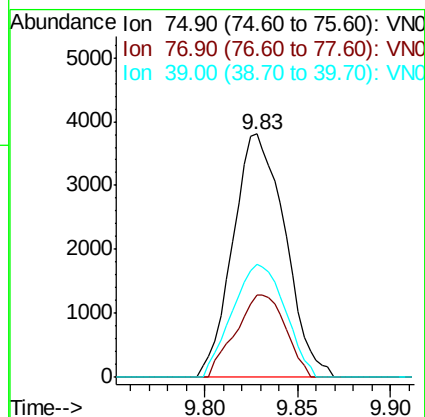
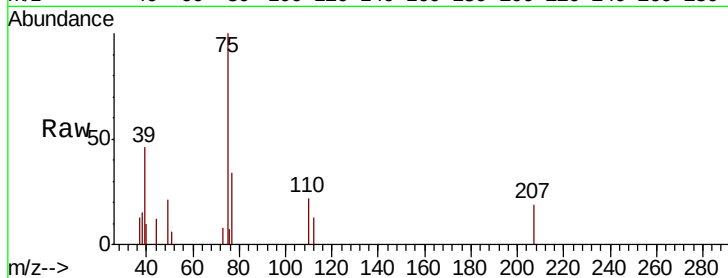
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	7426
Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.7	38.5
39	46.2	36.6	54.8

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#55

1,1,2-Trichloroethane

Concen: 1.205 ug/l

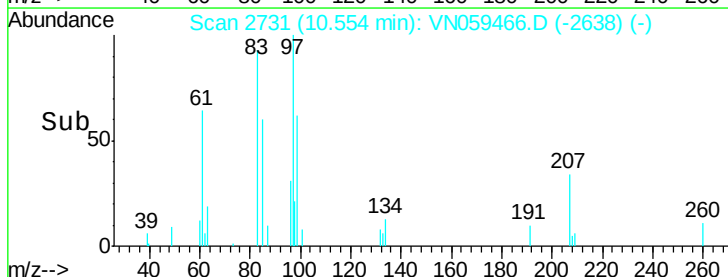
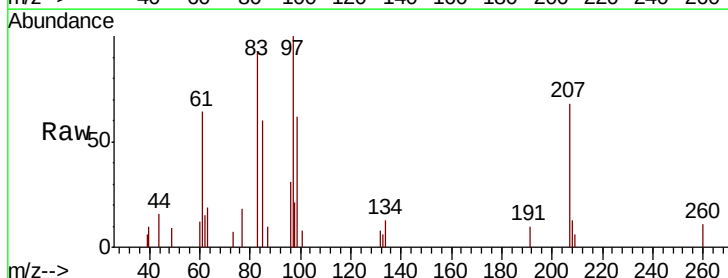
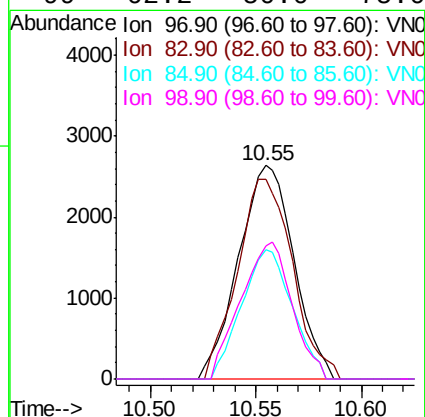
RT: 10.55 min Scan# 2731

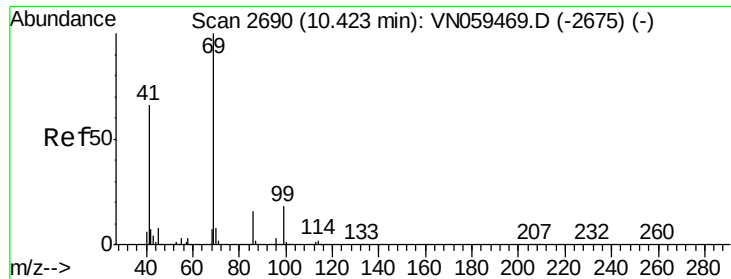
Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Tgt Ion:	97	Resp:	4798
Ion	Ratio	Lower	Upper
97	100		
83	93.4	69.8	104.8
85	60.3	45.5	68.3
99	62.2	50.0	75.0





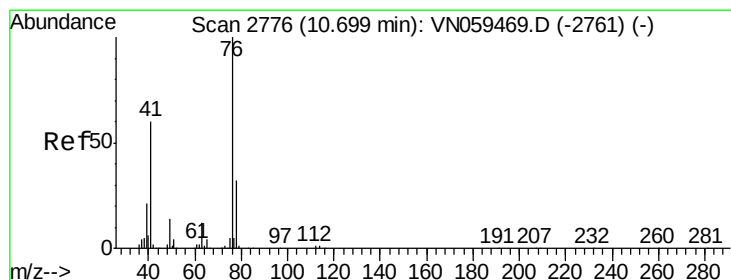
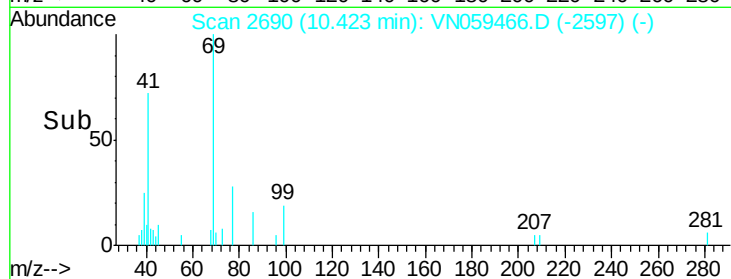
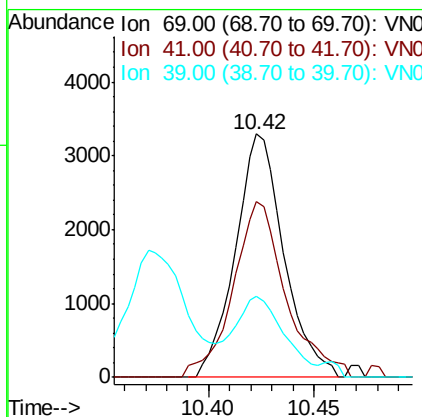
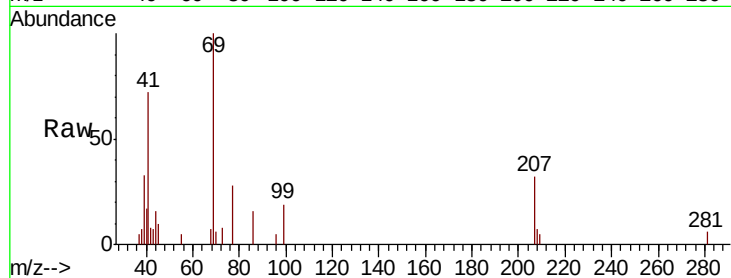
#56
Ethyl methacrylate
Concen: 0.906 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	78.9	52.7	79.1
39	27.8	25.0	37.6

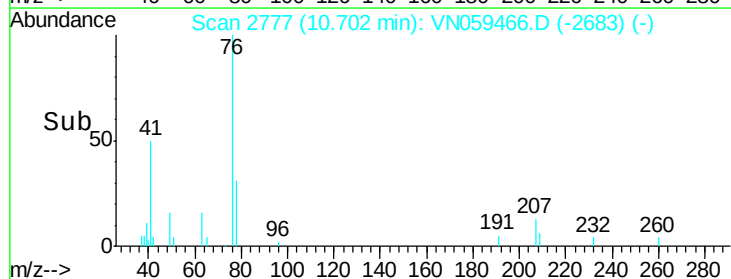
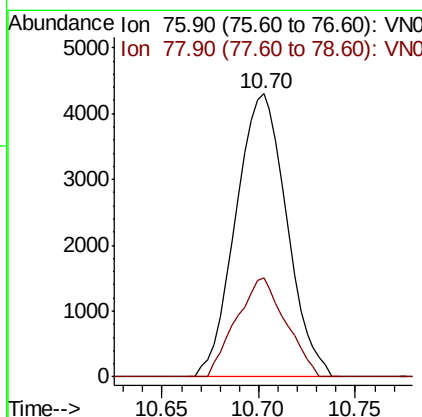
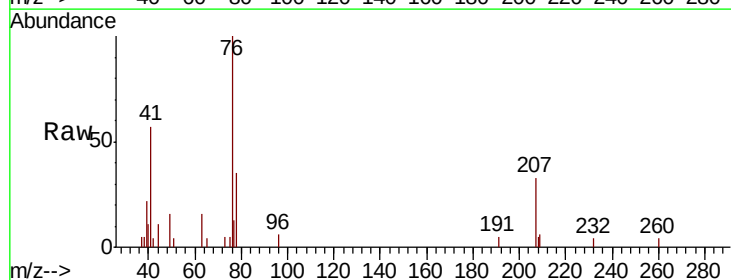
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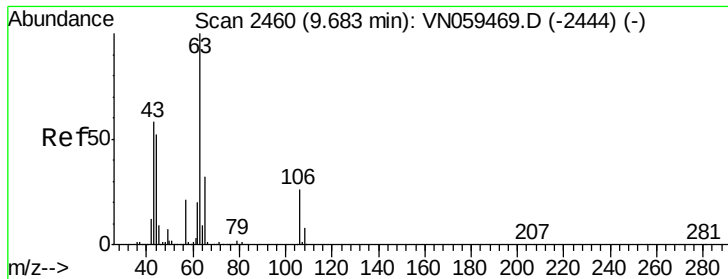
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#57
1,3-Dichloropropane
Concen: 1.150 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8





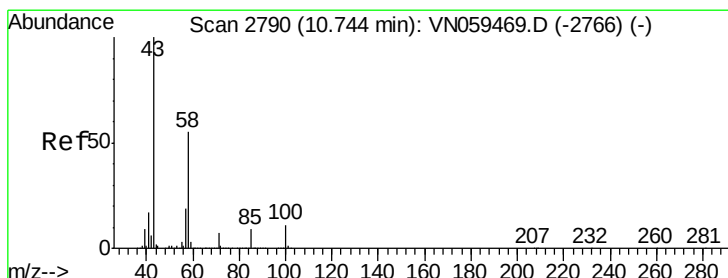
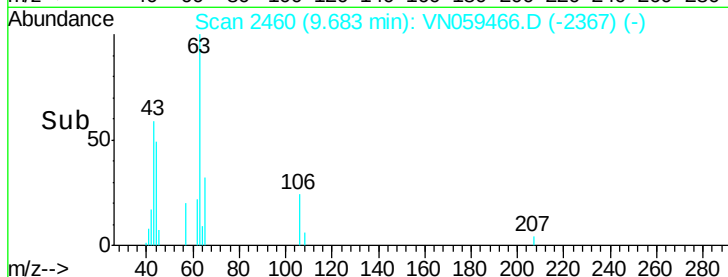
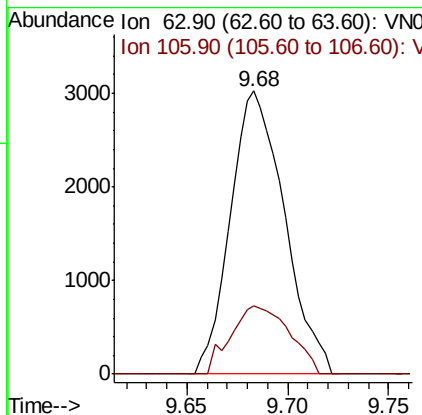
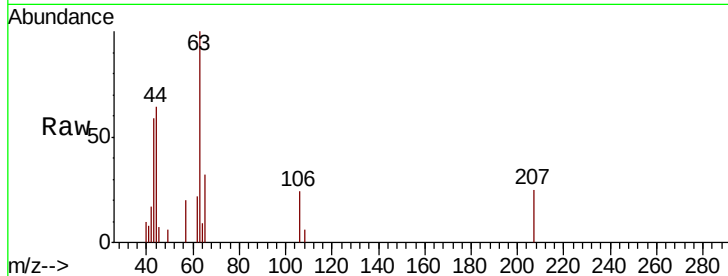
#58
2-Chloroethyl Vinyl ether
Concen: 3.374 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 5655
Ion Ratio Lower Upper
63 100
106 26.1 20.4 30.6

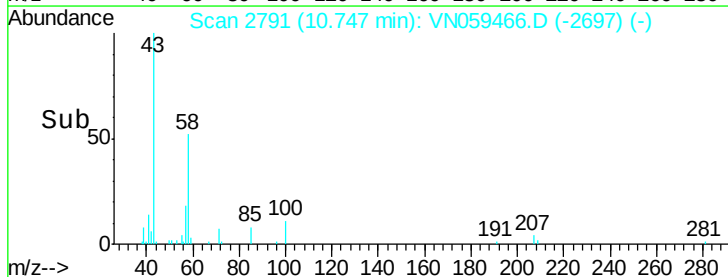
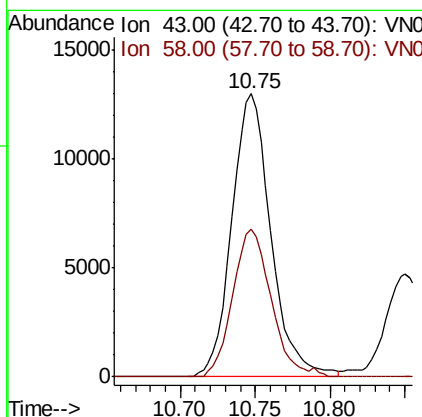
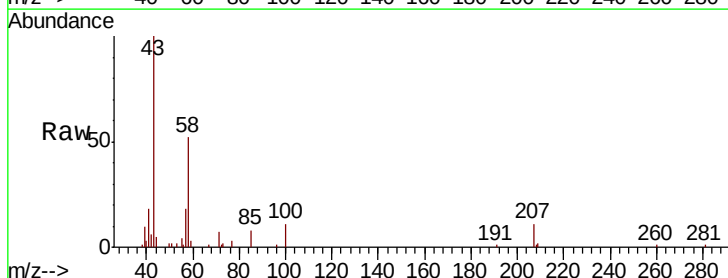
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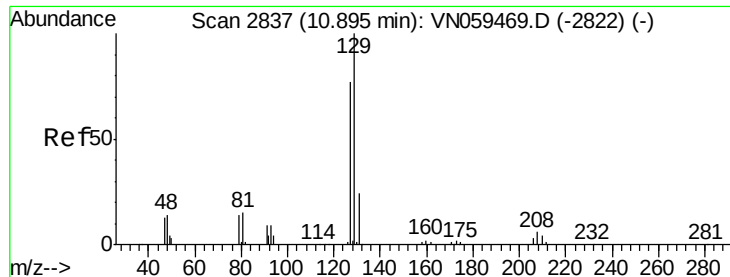
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#59
2-Hexanone
Concen: 5.854 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion: 43 Resp: 23616
Ion Ratio Lower Upper
43 100
58 51.4 27.7 83.0





#60

Dibromochloromethane

Concen: 1.075 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4451

Ion Ratio Lower Upper

129 100

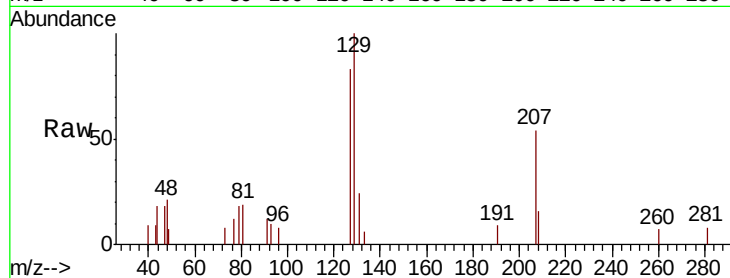
127 84.7 39.0 116.9

Manual Integrations

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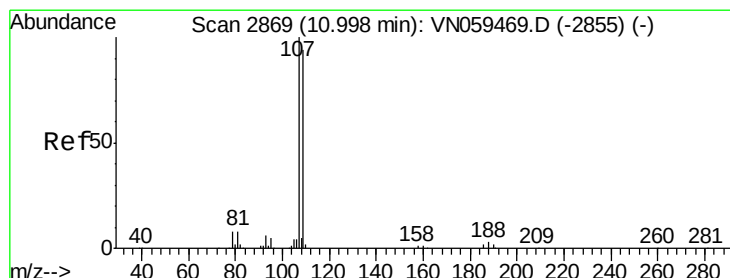
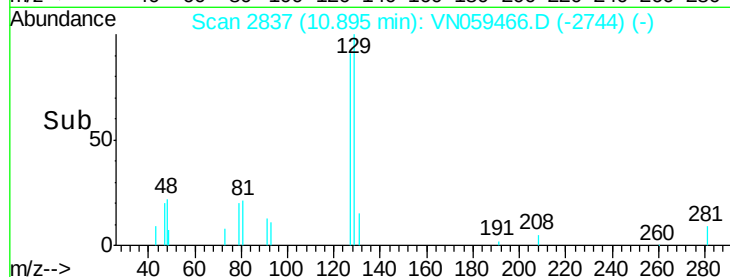
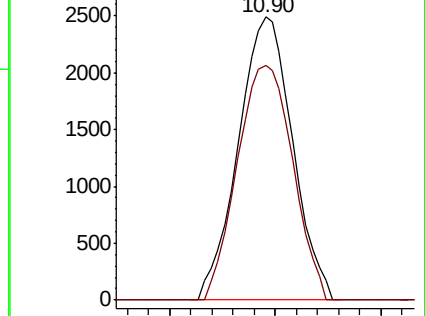
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.108 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059466.D

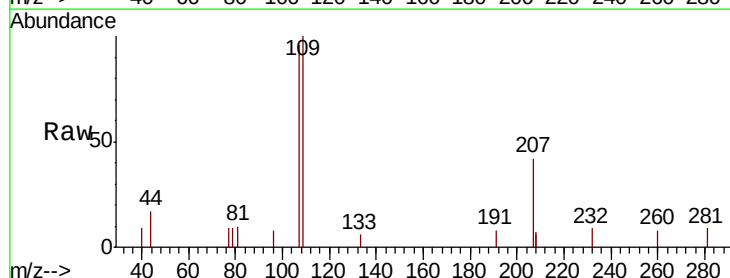
Acq: 3 Dec 2019 13:19

Tgt Ion:107 Resp: 4519

Ion Ratio Lower Upper

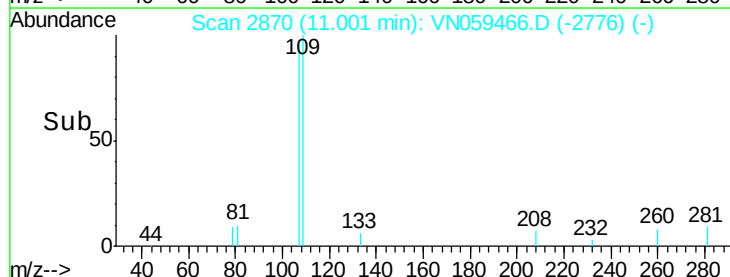
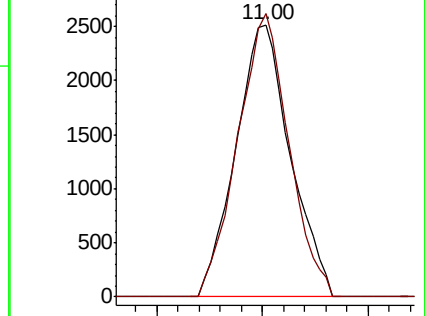
107 100

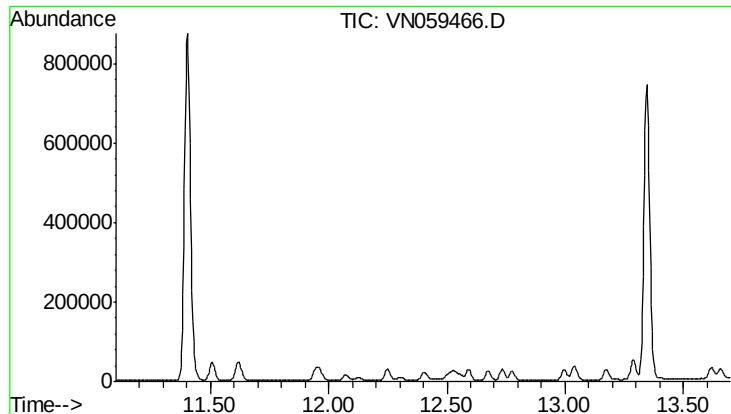
109 97.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





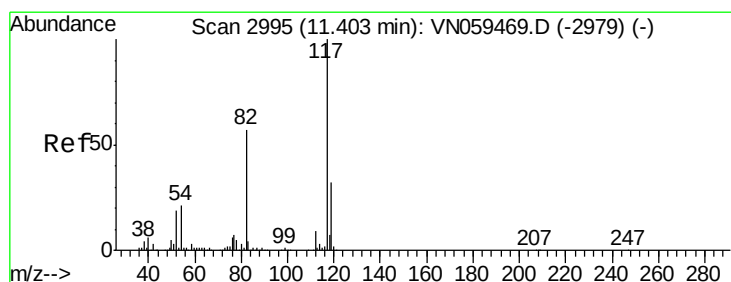
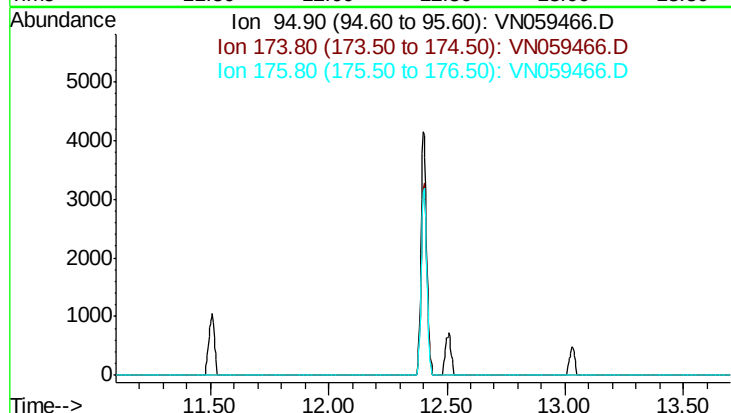
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	78.5
176	76.2

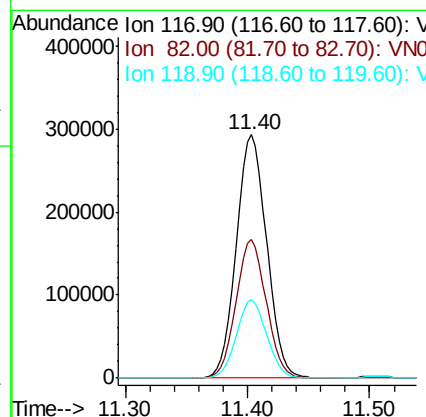
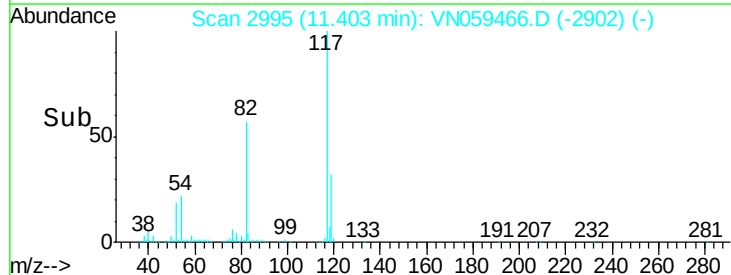
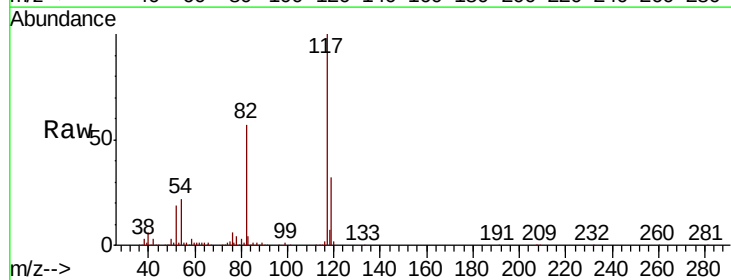
Manual Integrations
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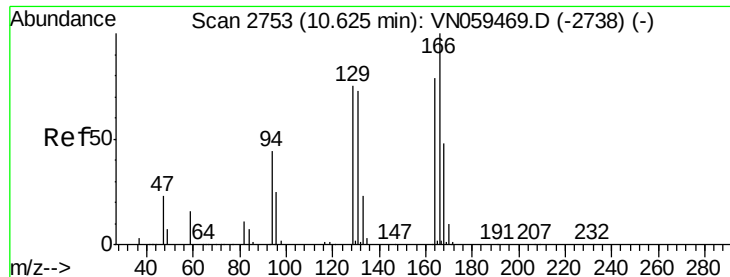
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	117	Resp:	506269
Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.8
119	32.1	25.4	38.0





#64

Tetrachloroethene

Concen: 1.304 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4948

Ion Ratio Lower Upper

164 100

166 139.3 101.2 151.8

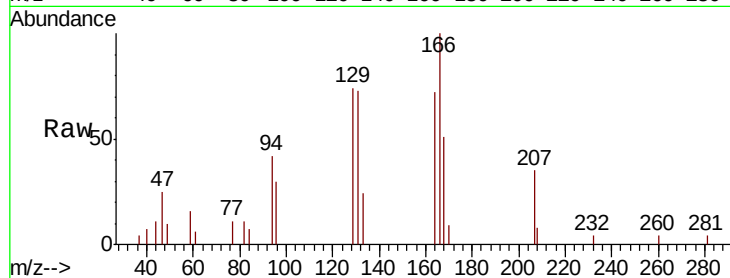
129 102.6 76.1 114.1

131 101.7 73.7 110.5

Manual Integrations
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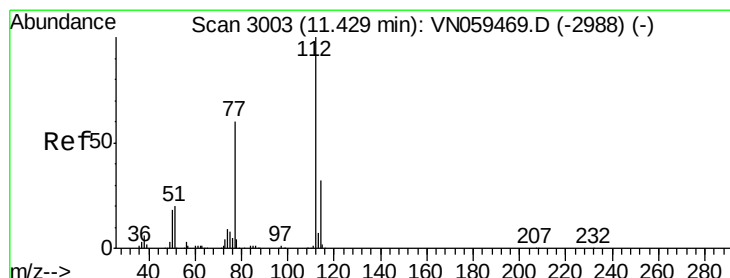
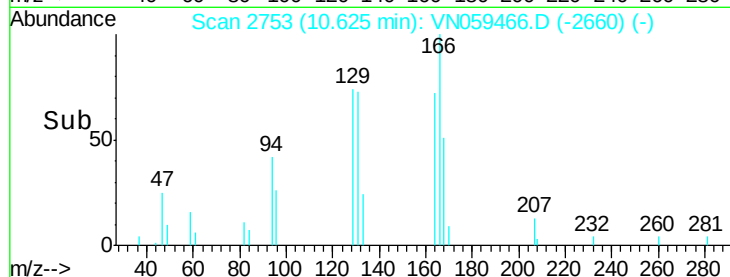
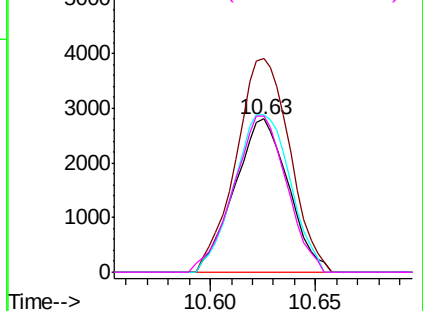


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.293 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059466.D

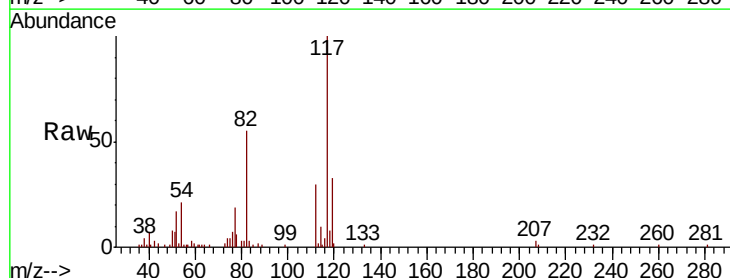
Acq: 3 Dec 2019 13:19

Tgt Ion:112 Resp: 13400

Ion Ratio Lower Upper

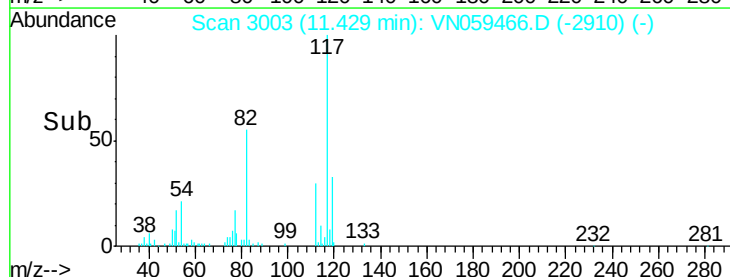
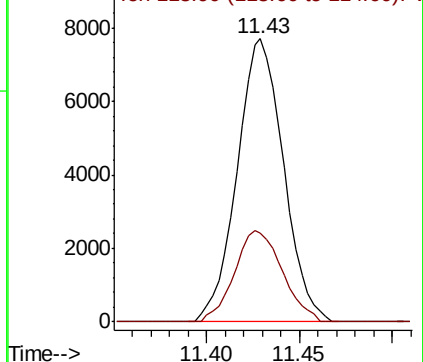
112 100

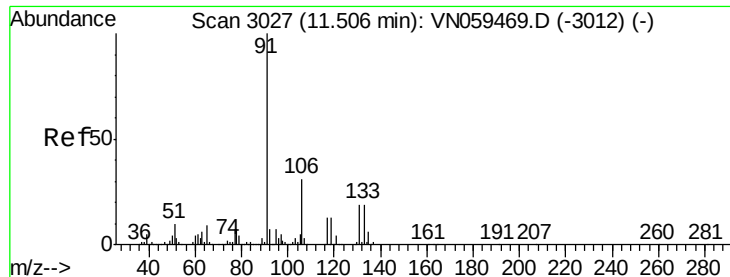
114 31.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





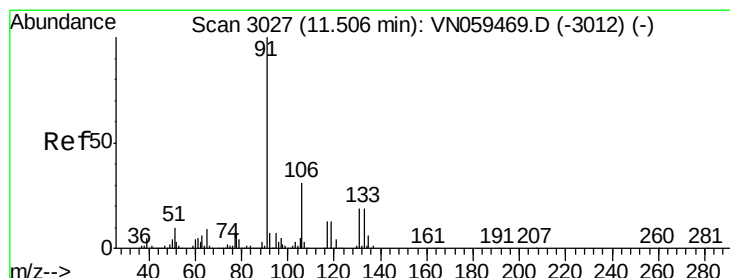
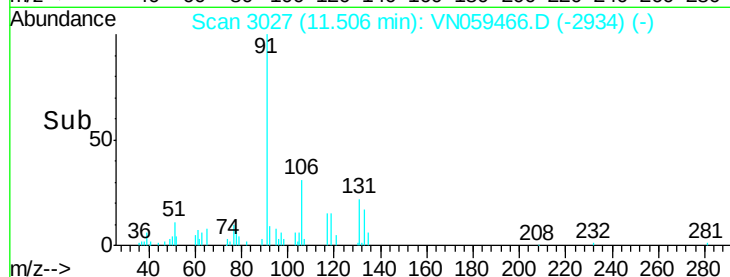
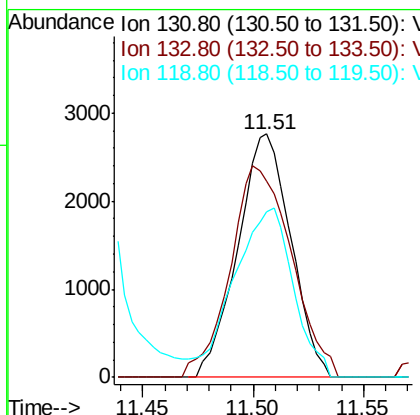
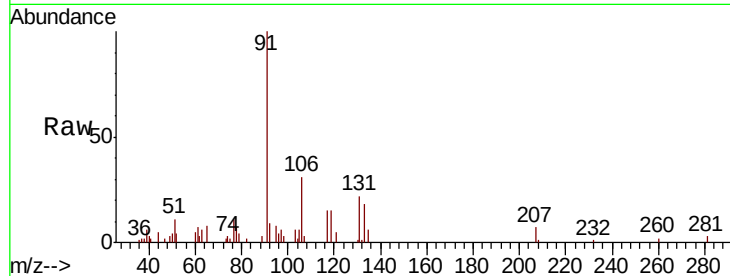
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.222 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	100.4	48.0	144.0
119	0.0	33.9	101.6

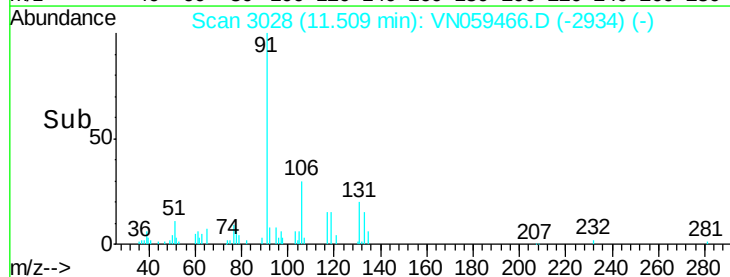
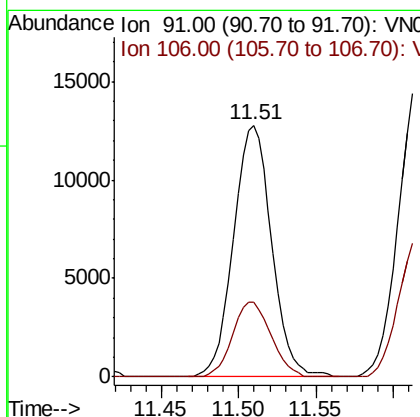
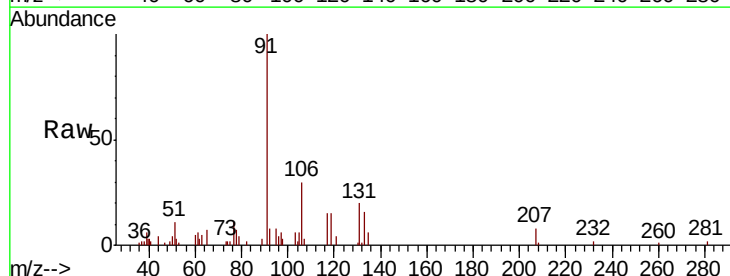
Manual Integrations
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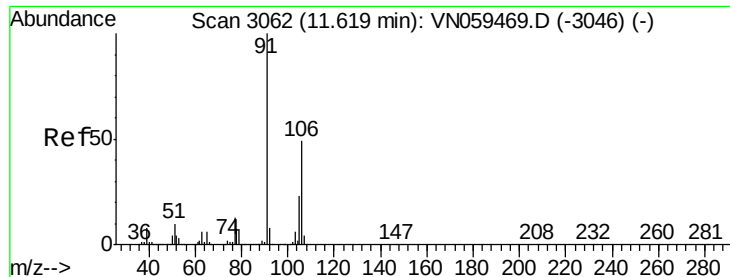
apatel
 12/4/2019 9:21:55 AM



#67
 Ethyl Benzene
 Concen: 1.195 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1





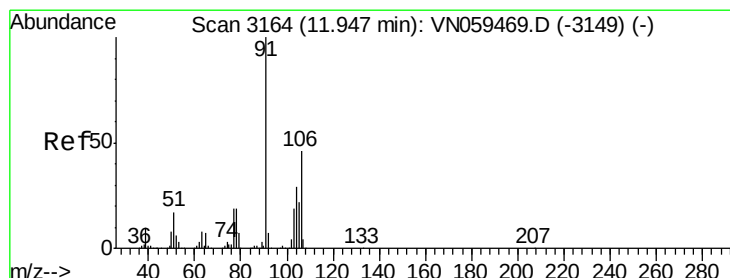
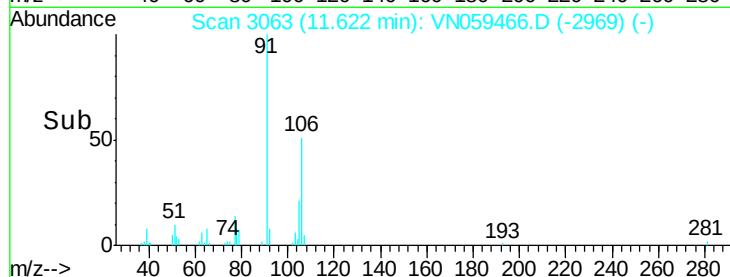
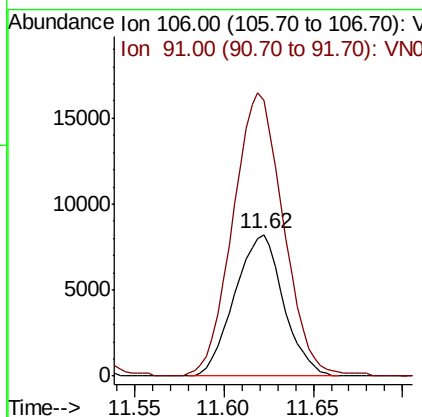
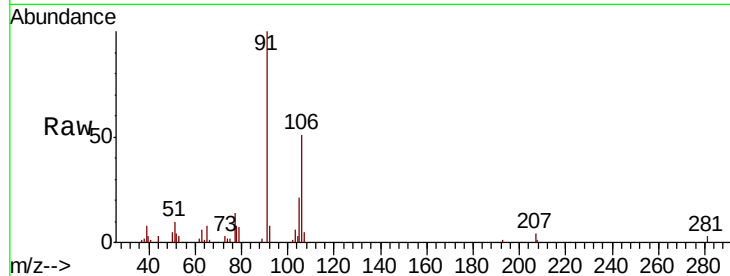
#68
m/p-Xylenes
Concen: 2.296 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 15681
Ion Ratio Lower Upper
106 100
91 206.5 162.2 243.4

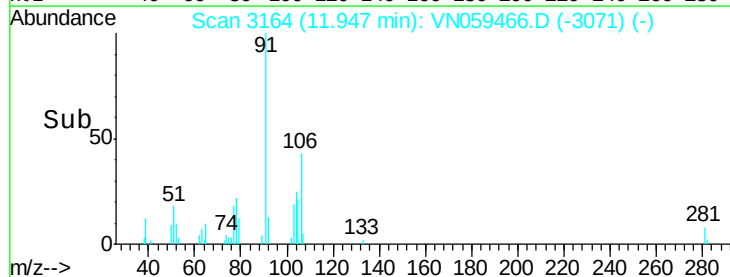
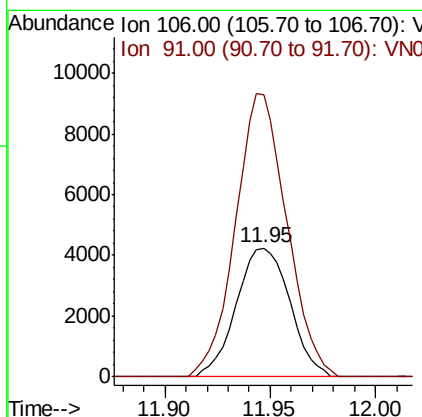
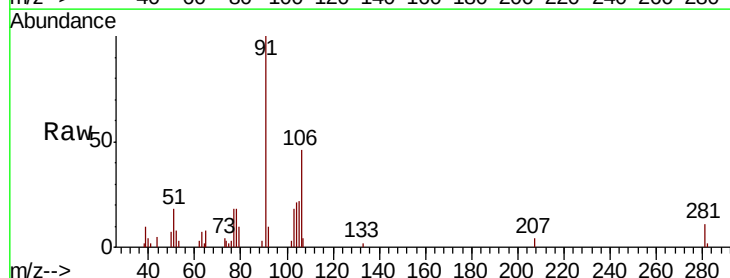
Manual Integrations
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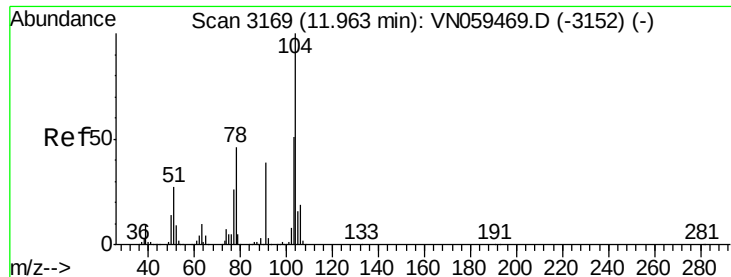
apatel
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#69
o-Xylene
Concen: 1.146 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion:106 Resp: 7477
Ion Ratio Lower Upper
106 100
91 210.4 108.5 325.3





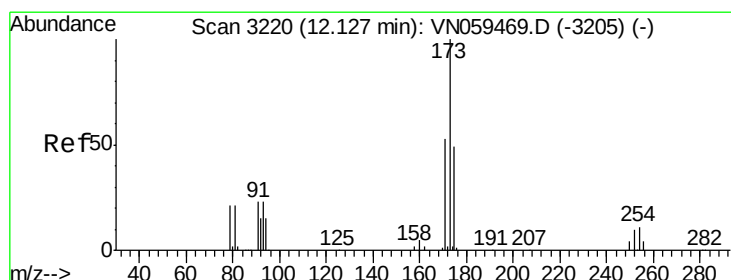
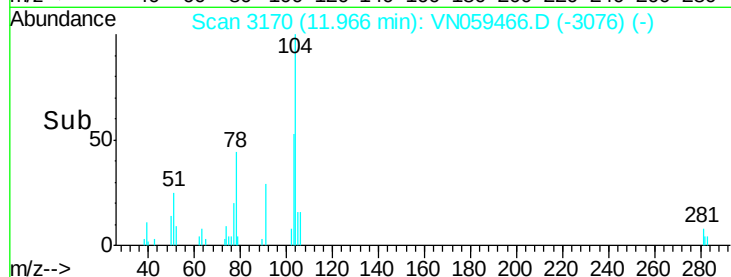
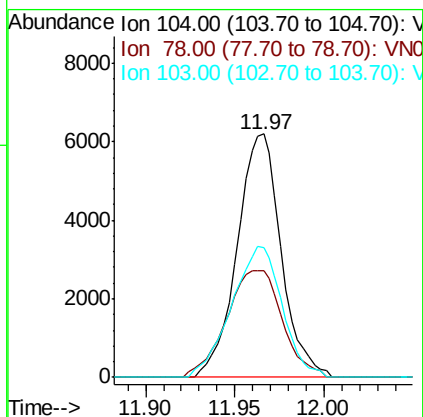
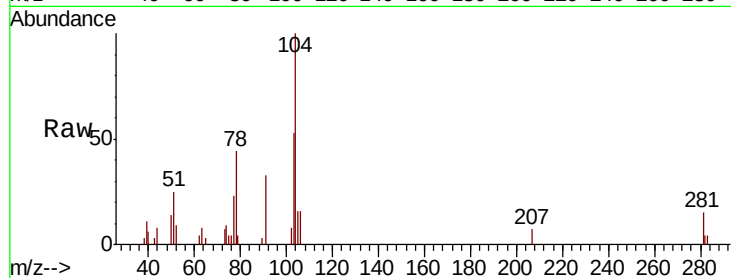
#70
Stvrene
Concen: 1.044 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	41.0	61.4
103	61.7	44.7	67.1

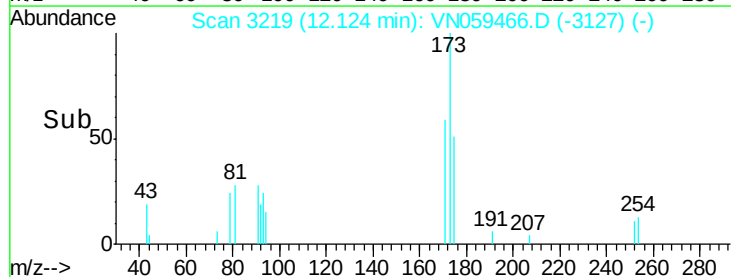
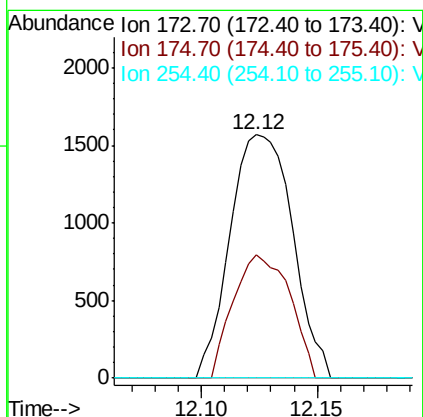
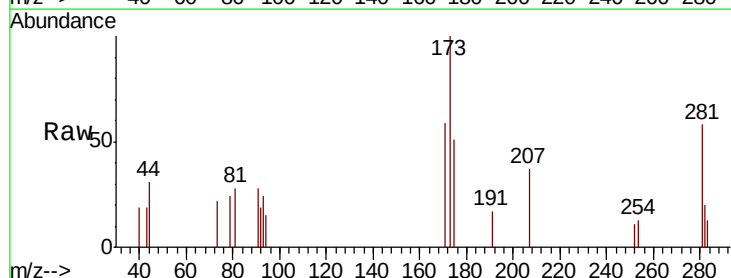
Manual Integrations
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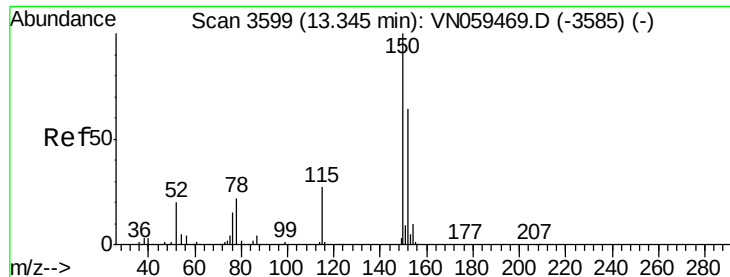
apatel
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#71
Bromoform
Concen: 1.018 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.3	73.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

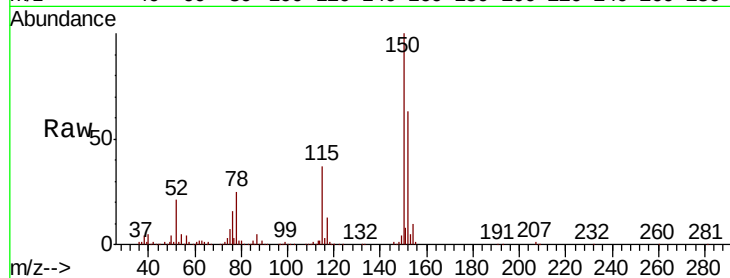
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	204906
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.2	87.6
150	156.4	0.0	352.8

Manual Integrations
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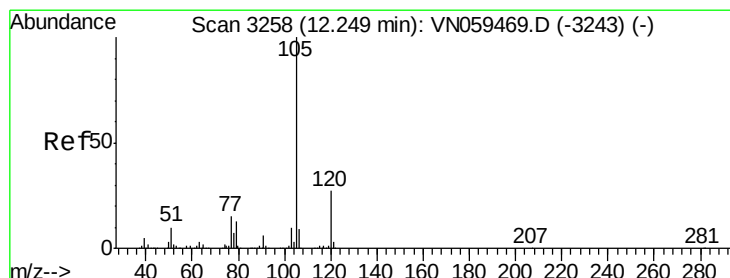
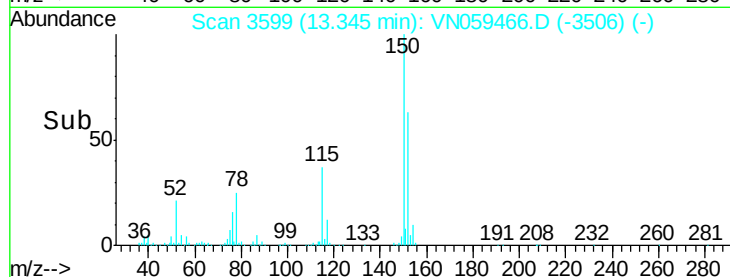
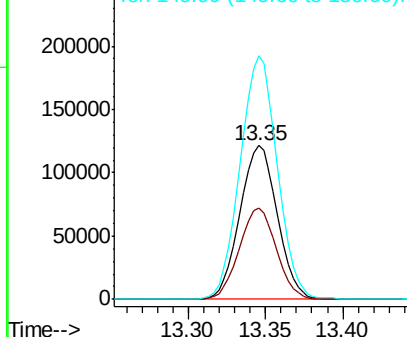


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.256 ug/l

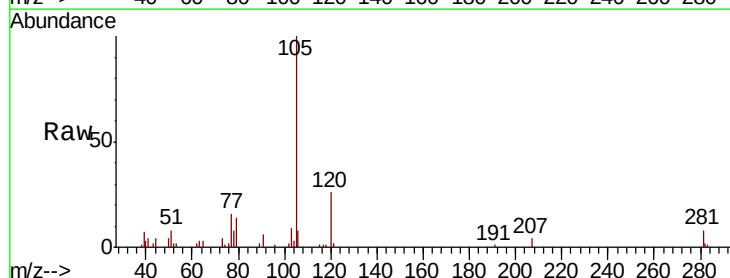
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

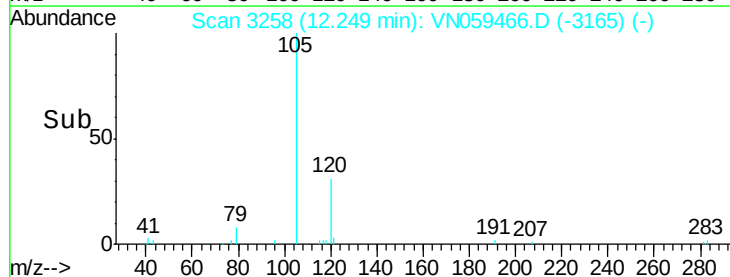
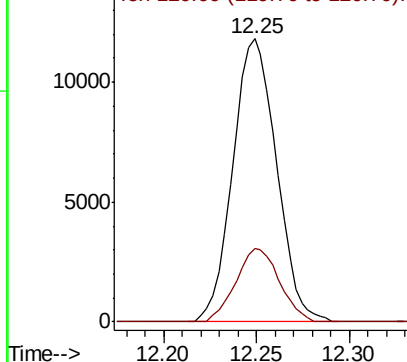
Tgt Ion:	105	Resp:	19303
Ion Ratio	Lower	Upper	
105	100		
120	25.8	13.2	39.6

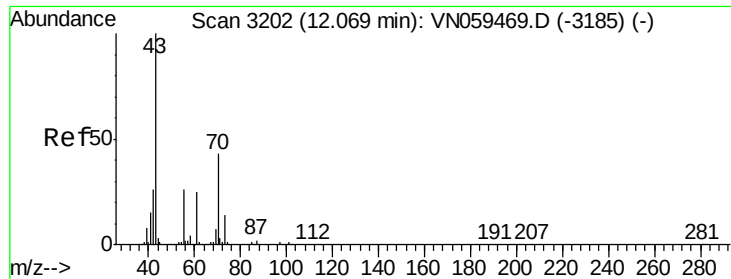


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.358 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

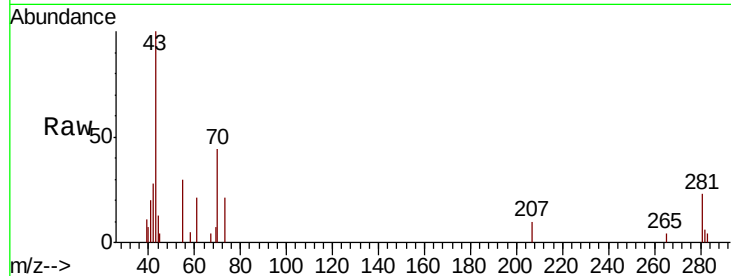
ClientSampleId :

VSTDIC001

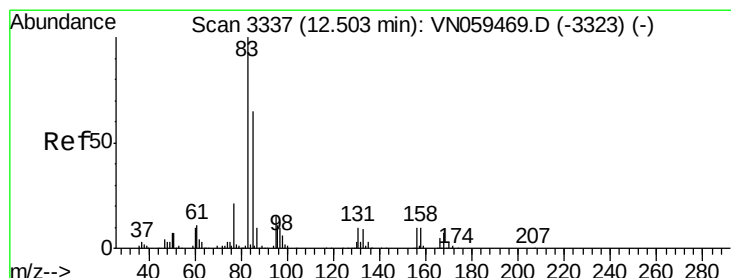
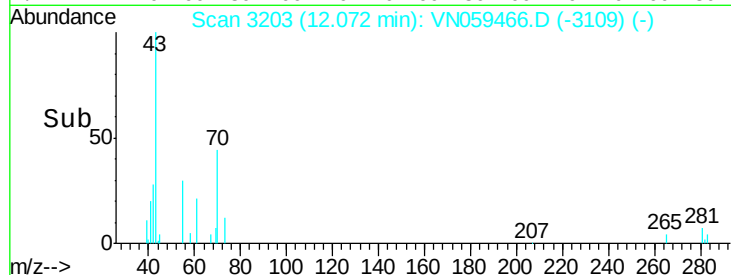
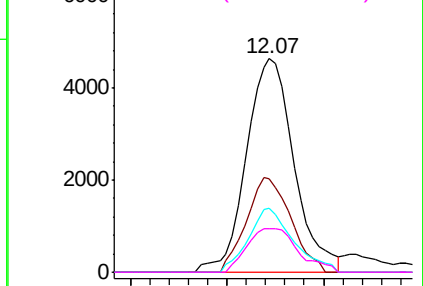
Tot Ion:	43	Resp:	7970
Ion	Ratio	Lower	Upper
43	100		
70	41.1	34.2	51.2
55	28.2	20.6	31.0
61	21.7	19.3	28.9

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Abundance Ion 43.00 (42.70 to 43.70): VN059466.D (-3185) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 1.315 ug/l

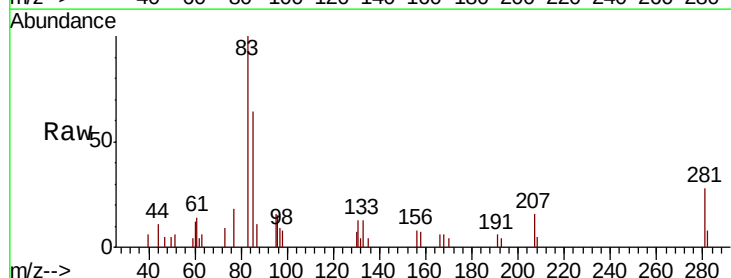
RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

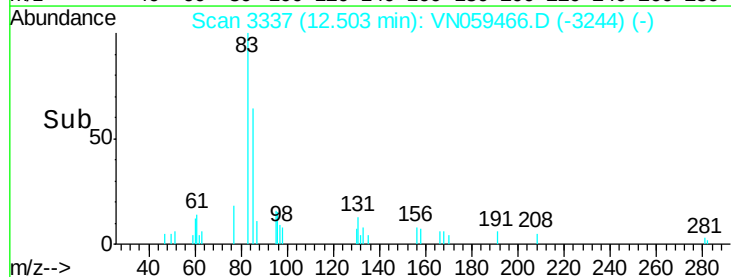
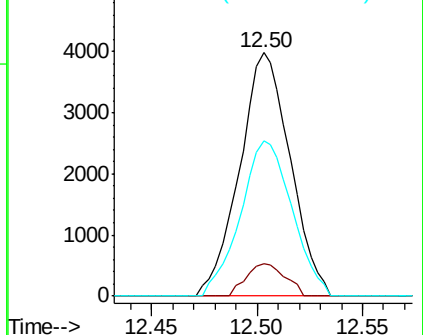
Lab File: VN059466.D

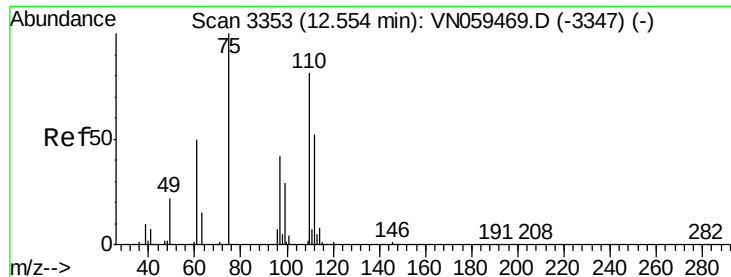
Acq: 3 Dec 2019 13:19

Tgt Ion:	83	Resp:	6632
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.0	32.2	96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059466.D (-3323) (-)





#76

1,2,3-Trichloropropane

Concen: 1.436 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 6837

Ion Ratio Lower Upper

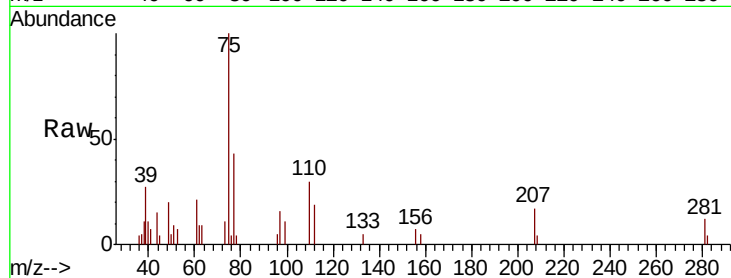
75 100

77 0.0 0.0 0.0

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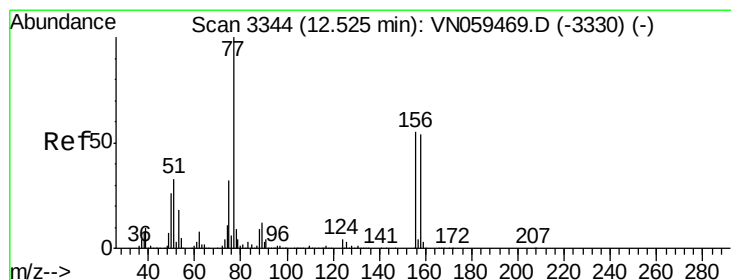
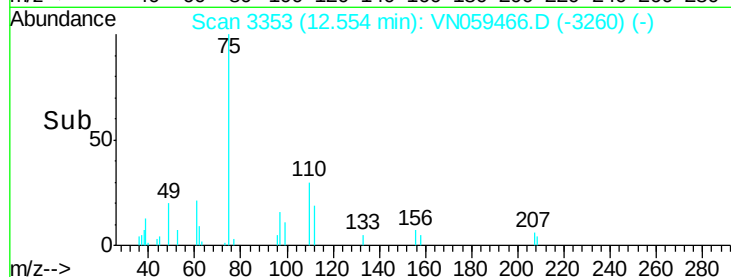
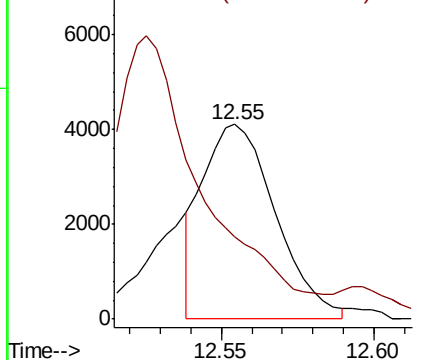
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.401 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

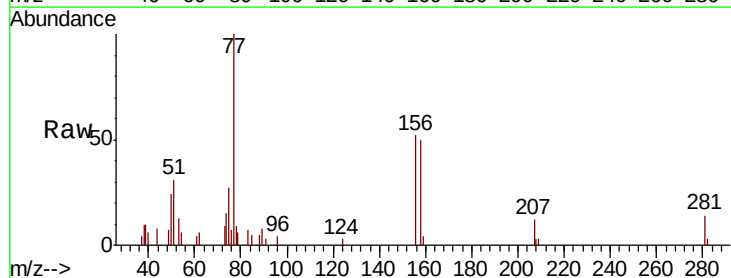
Tgt Ion: 156 Resp: 5270

Ion Ratio Lower Upper

156 100

77 241.4 110.3 331.0

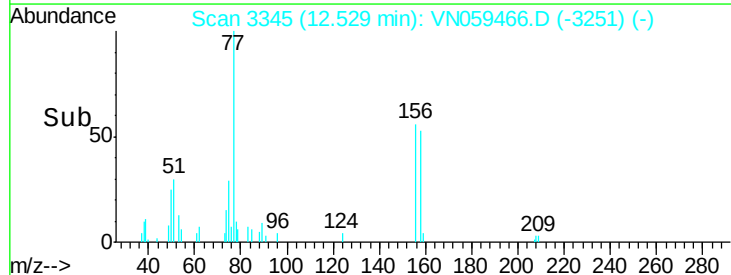
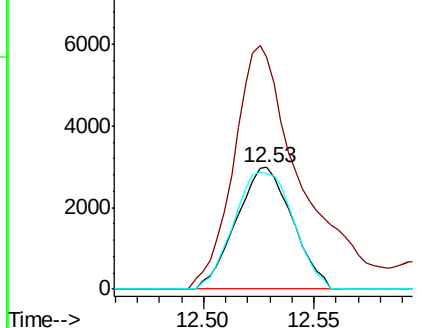
158 101.8 48.5 145.5

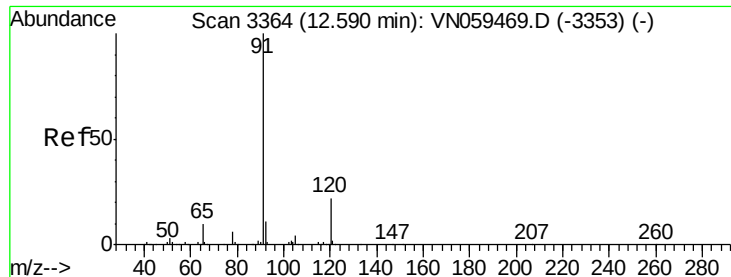


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.247 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 22148

Ion Ratio Lower Upper

91 100

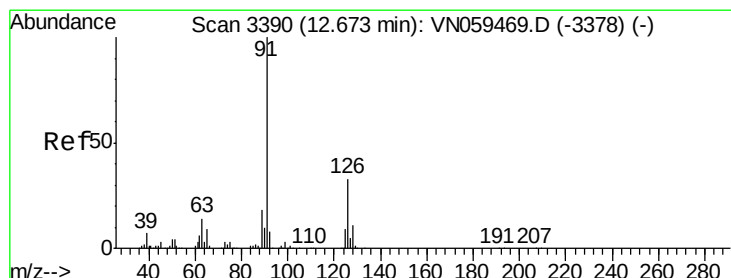
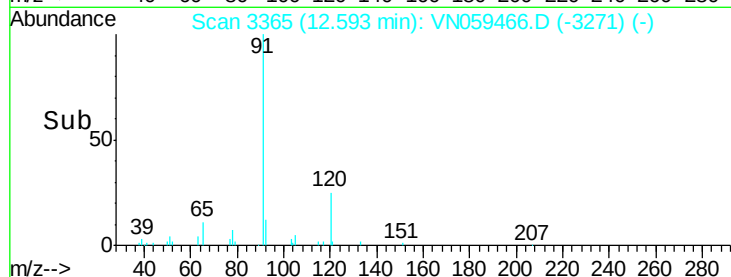
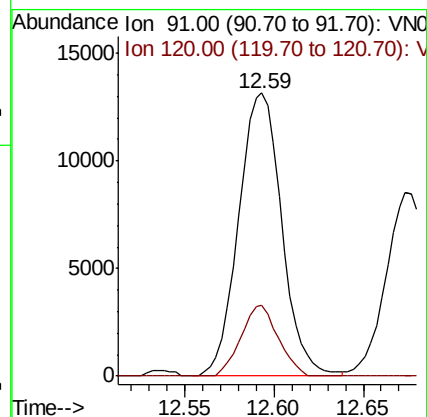
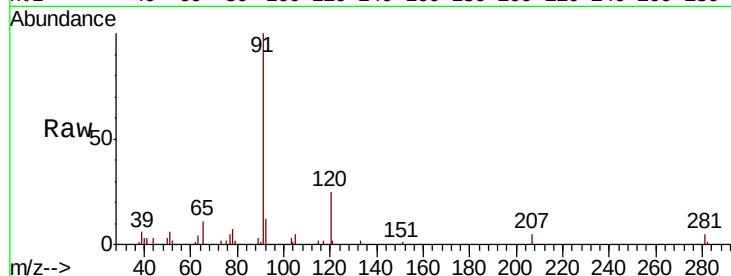
120 21.5 11.3 33.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.375 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059466.D

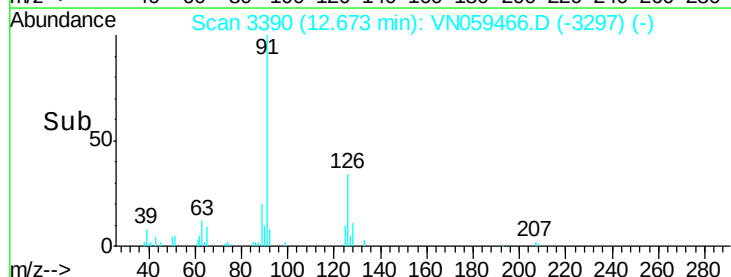
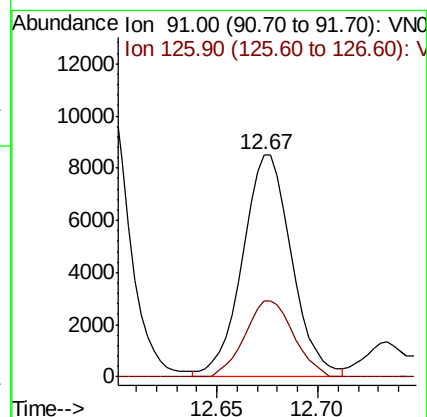
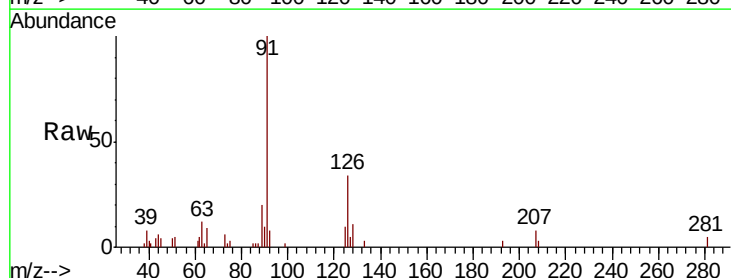
Acq: 3 Dec 2019 13:19

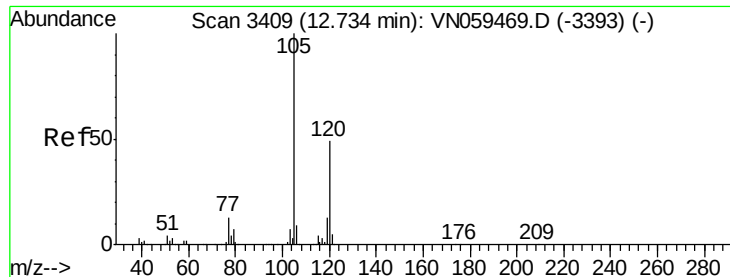
Tgt Ion: 91 Resp: 14586

Ion Ratio Lower Upper

91 100

126 33.5 16.6 49.8





#80

1,3,5-Trimethylbenzene

Concen: 1.200 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 15501

Ion Ratio Lower Upper

105 100

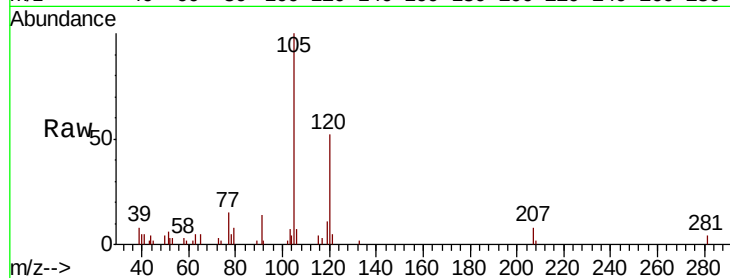
120 48.7 24.3 73.0

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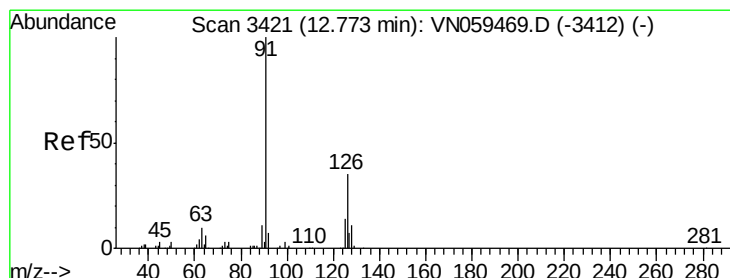
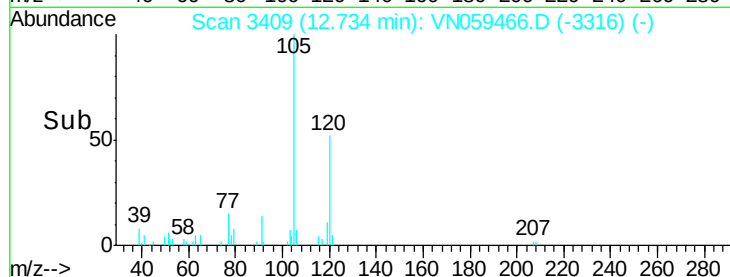
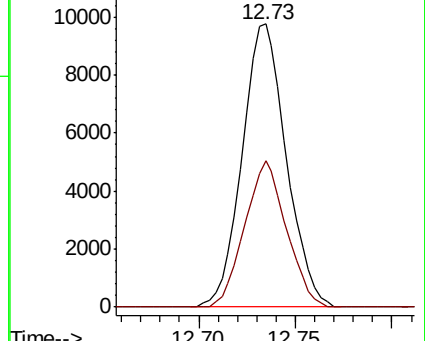
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.334 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059466.D

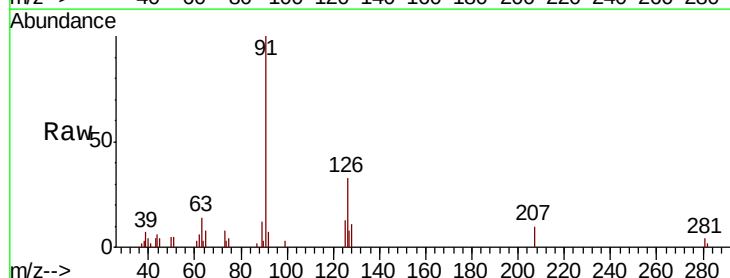
Acq: 3 Dec 2019 13:19

Tgt Ion: 91 Resp: 14575

Ion Ratio Lower Upper

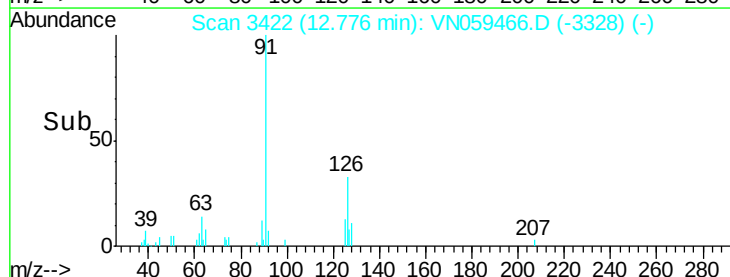
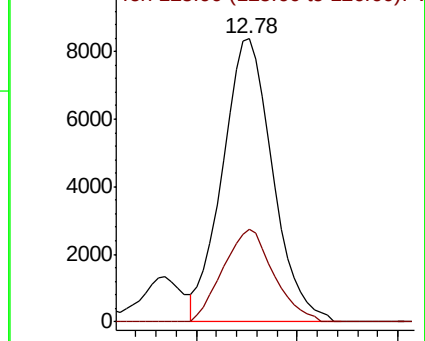
91 100

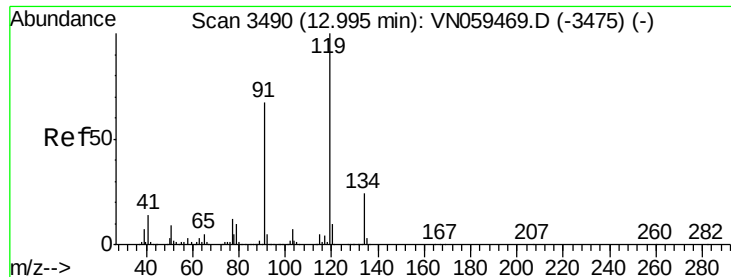
126 32.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





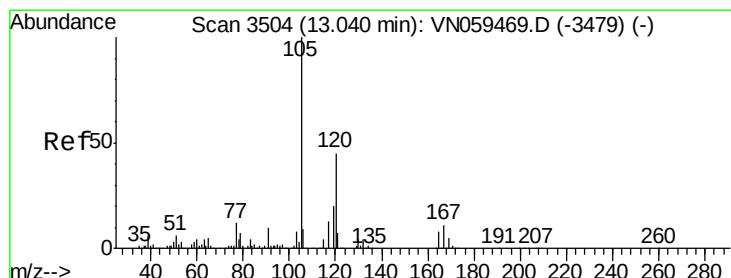
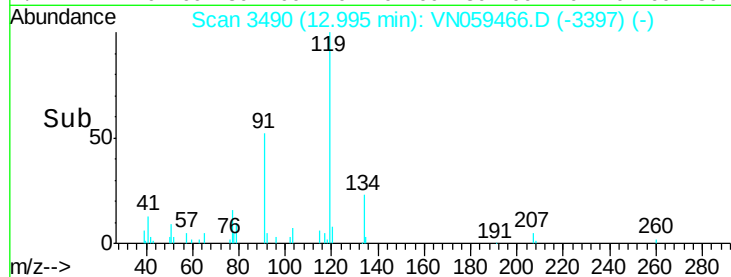
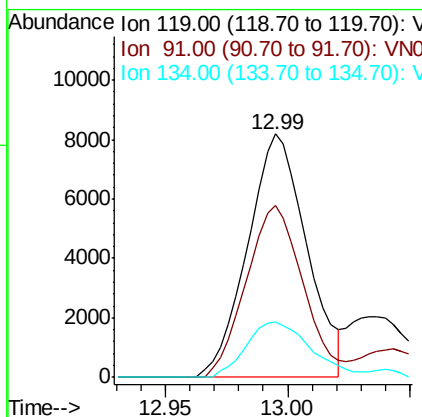
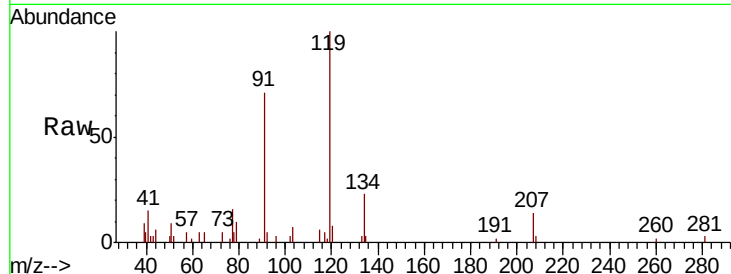
#83
 tert-Butylbenzene
 Concen: 1.235 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	32.6	97.7
134	24.9	12.6	37.6

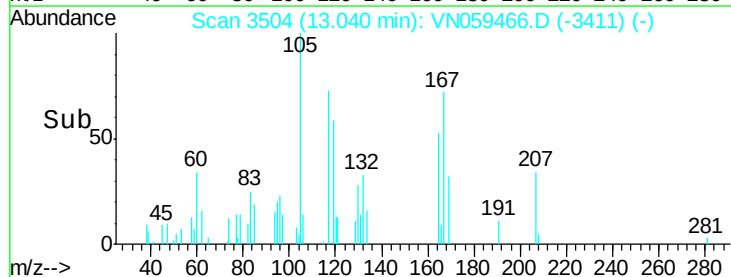
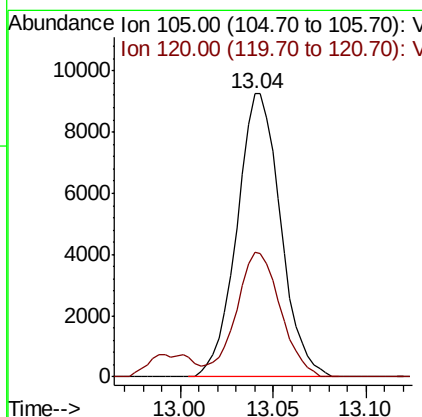
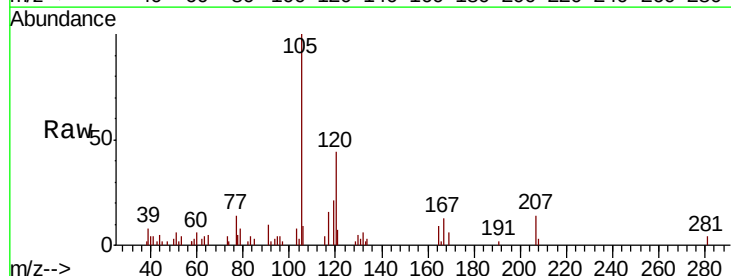
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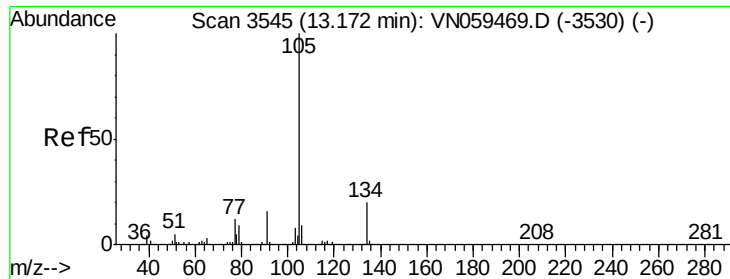
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.201 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 1.246 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 18384

Ion Ratio Lower Upper

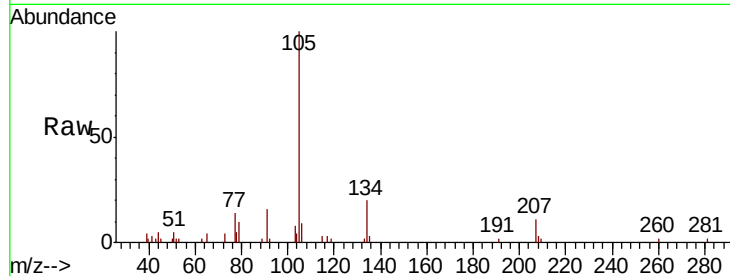
105 100

134 20.0 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

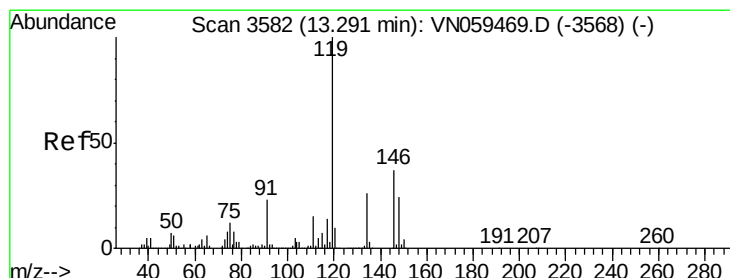
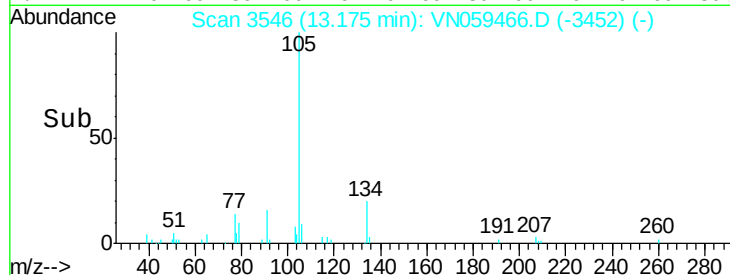
13.17

10000

5000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 1.238 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

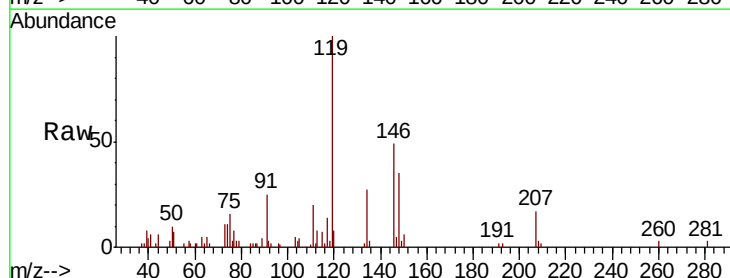
Tgt Ion:119 Resp: 16500

Ion Ratio Lower Upper

119 100

134 25.2 13.1 39.3

91 23.9 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

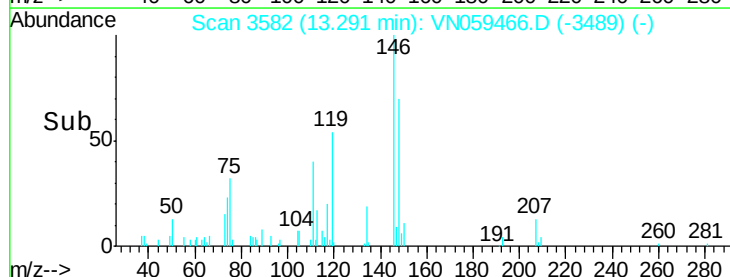
13.29

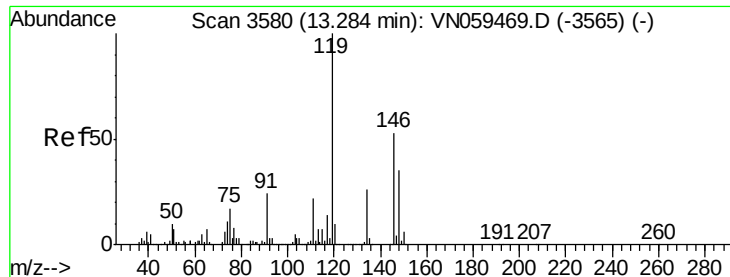
10000

5000

0

Time--> 13.25 13.30 13.35





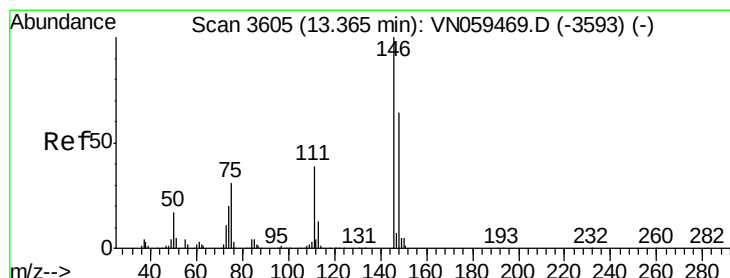
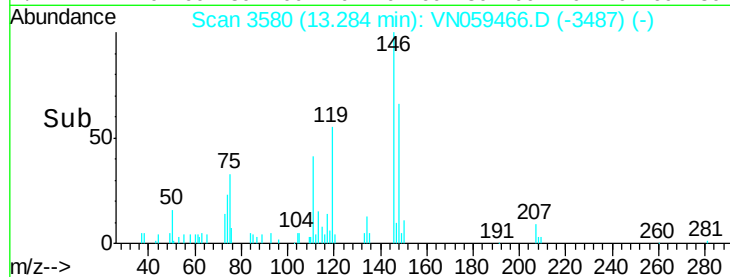
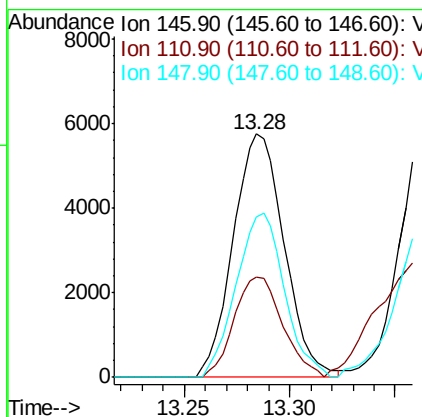
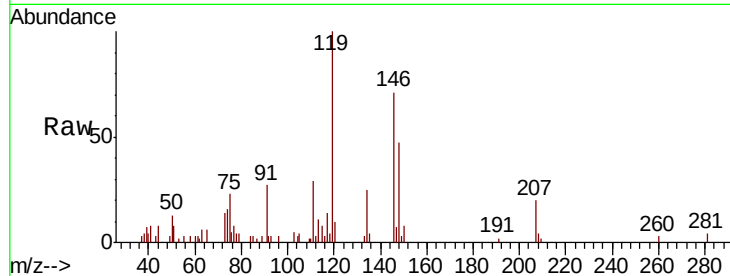
#87
 1,3-Dichlorobenzene
 Concen: 1.451 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.4	61.3
148	63.8	32.1	96.5

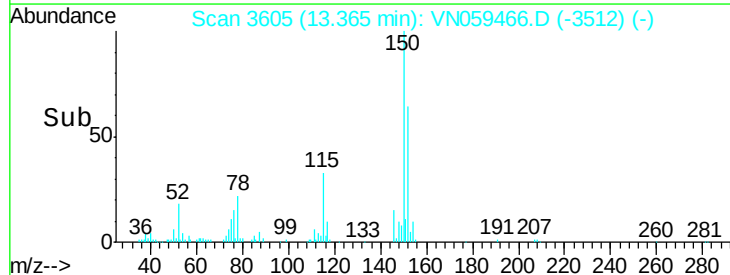
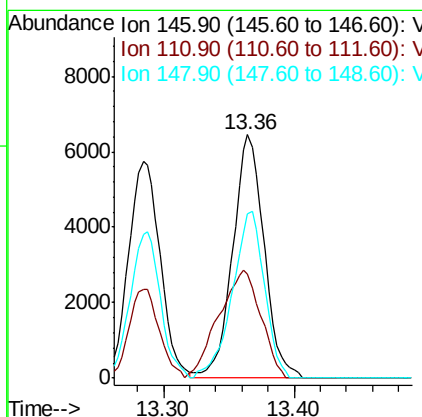
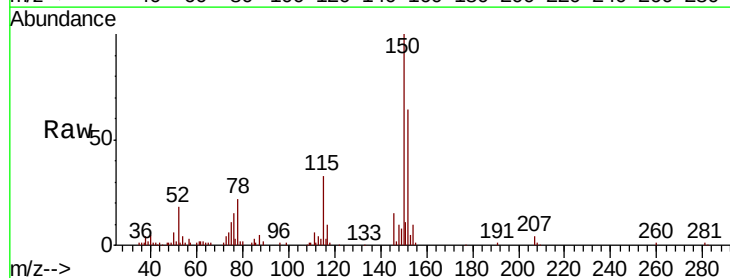
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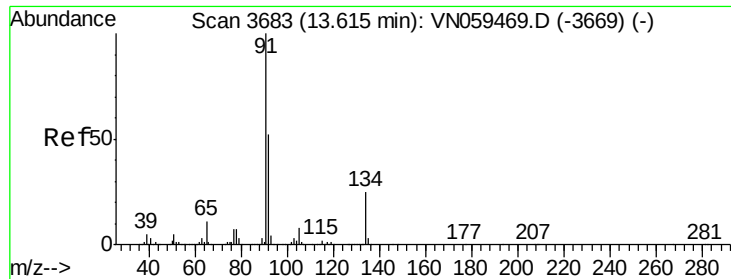
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#88
 1,4-Dichlorobenzene
 Concen: 1.609 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	19.8	59.3
148	57.3	32.0	96.0





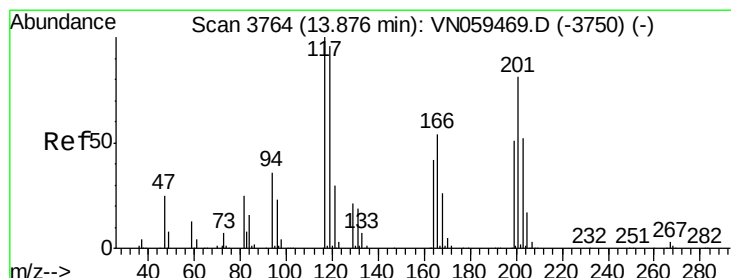
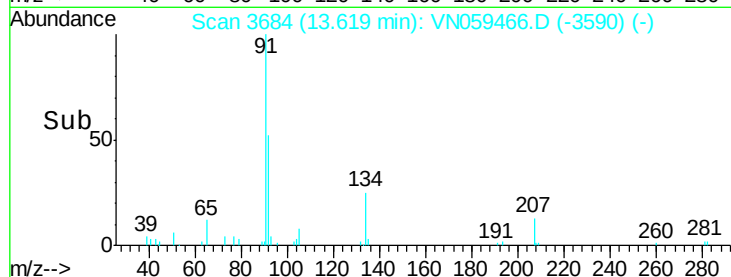
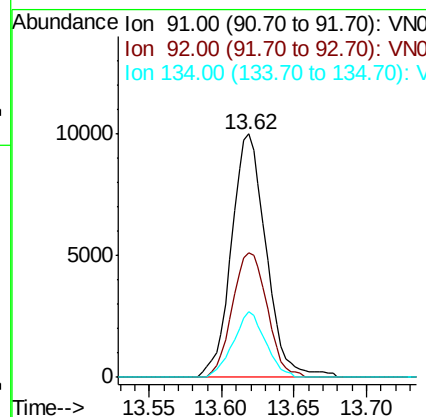
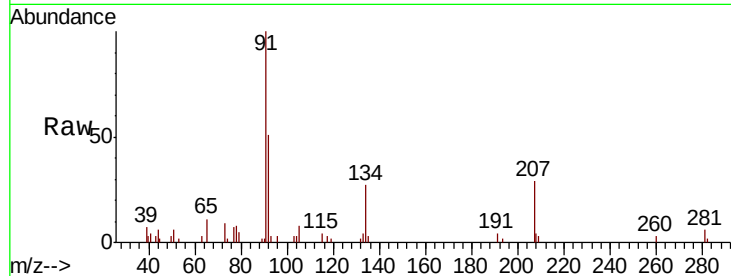
#89
n-Butylbenzene
Concen: 1.423 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDICC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	25.1	12.6	37.6

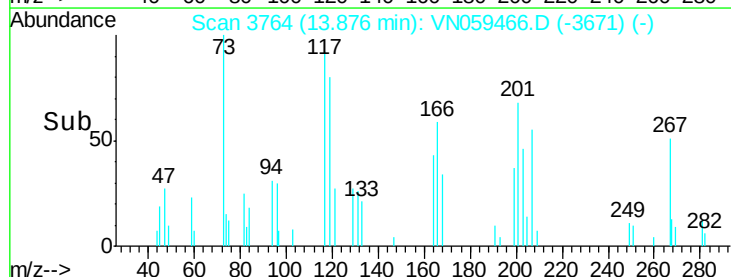
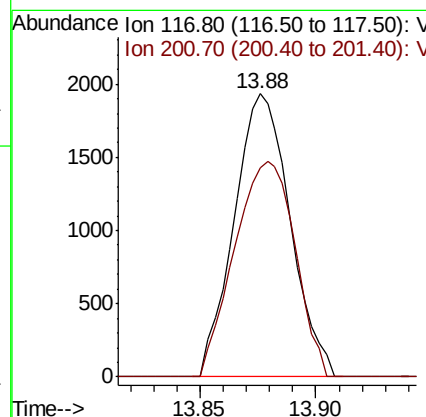
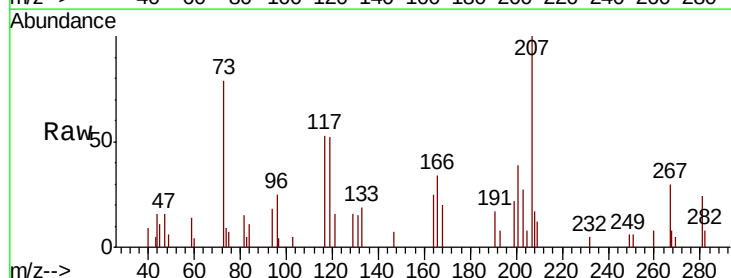
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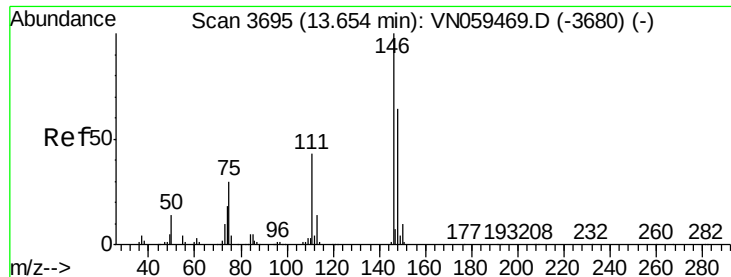
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#90
Hexachloroethane
Concen: 1.269 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 1.507 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Instrument :

MSVOA_N

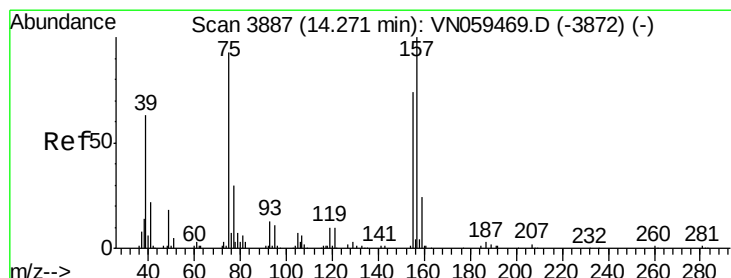
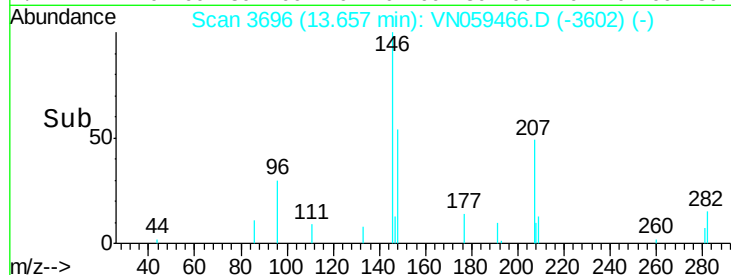
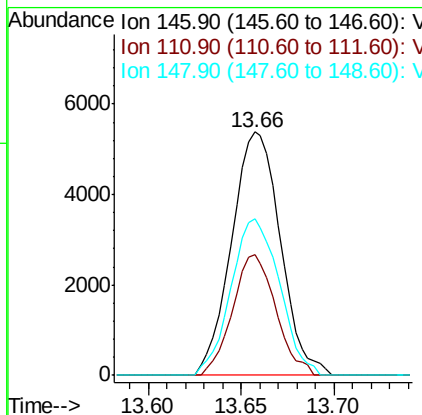
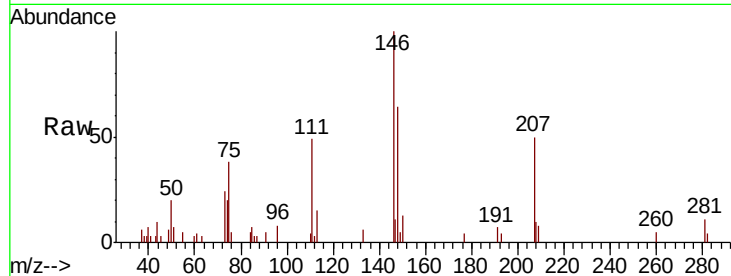
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	9839
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.3	63.7
148	63.8	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 1.487 ug/l

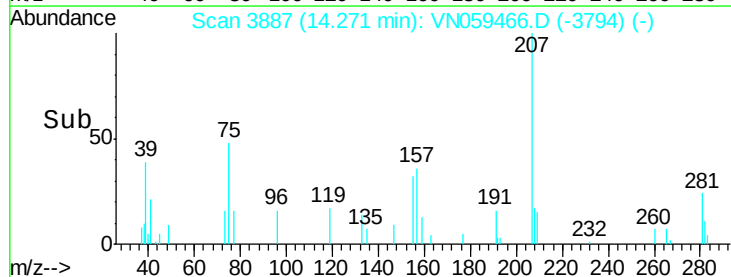
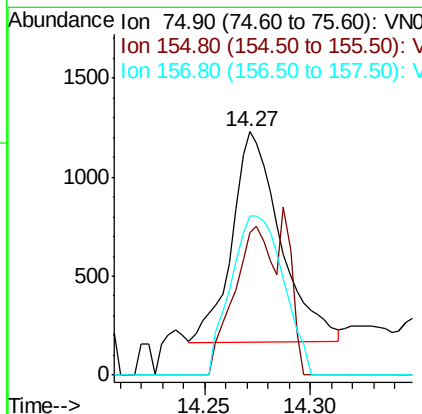
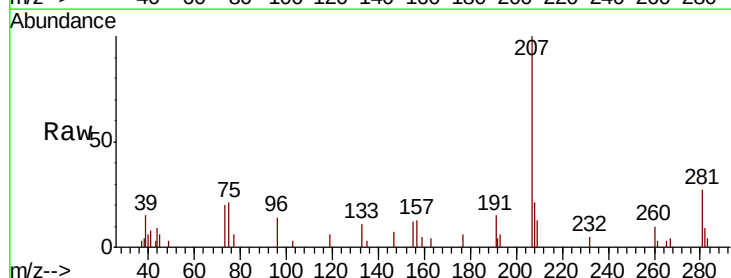
RT: 14.27 min Scan# 3887

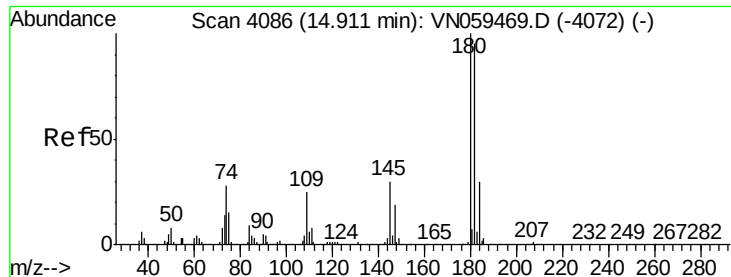
Delta R.T. -0.00 min

Lab File: VN059466.D

Acq: 3 Dec 2019 13:19

Tgt Ion:	75	Resp:	1704
Ion Ratio	Lower	Upper	
75	100		
155	57.0	40.6	122.0
157	81.6	52.9	158.7





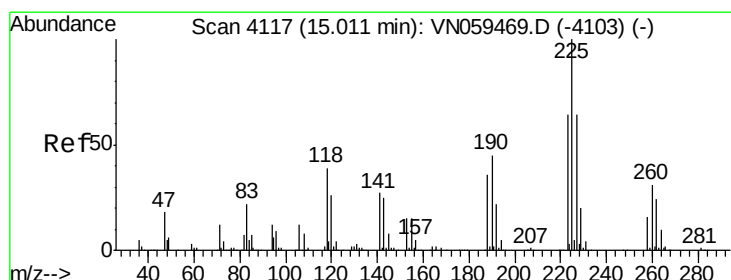
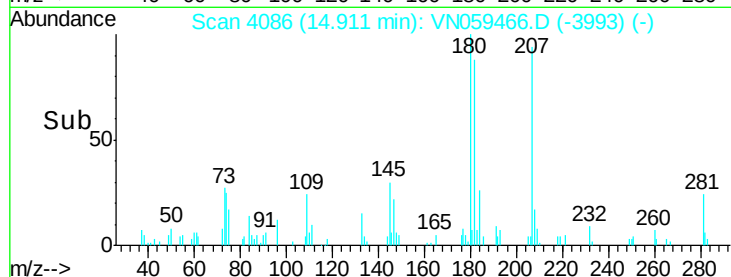
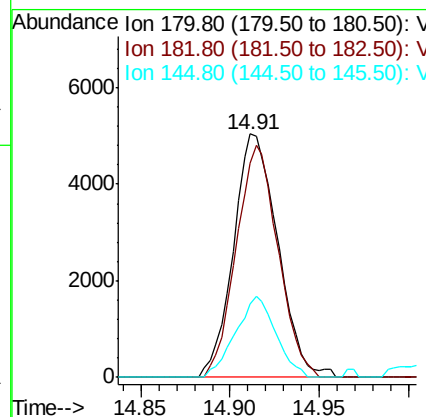
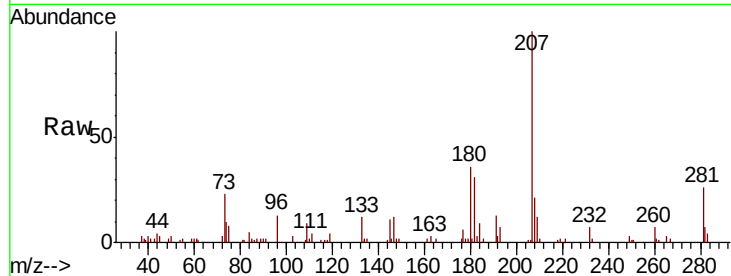
#93
 1,2,4-Trichlorobenzene
 Concen: 2.161 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.2	48.0	144.2
145	30.2	15.2	45.6

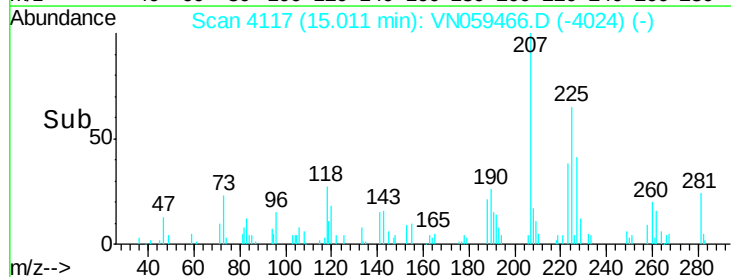
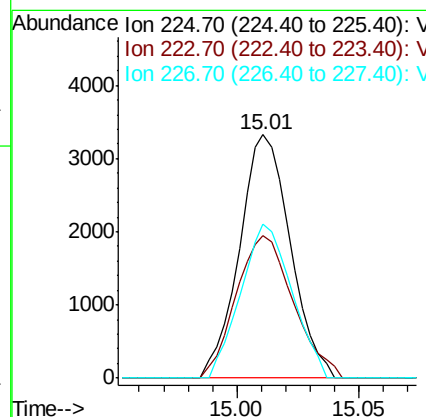
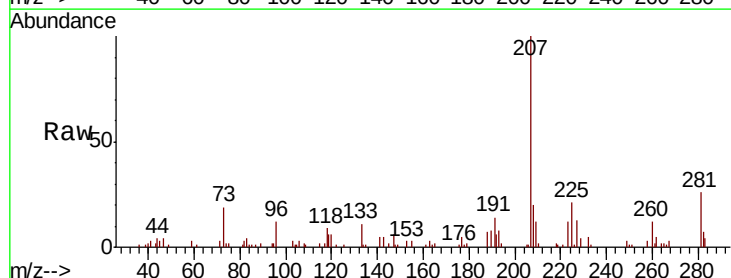
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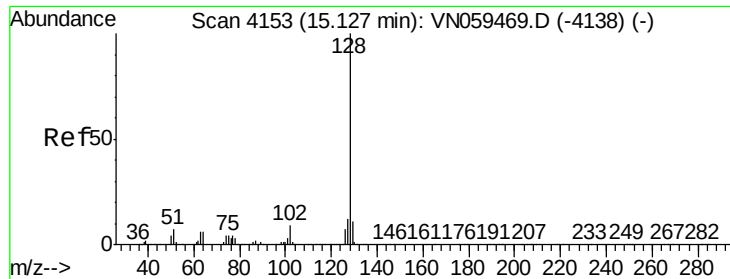
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#94
 Hexachlorobutadiene
 Concen: 1.929 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059466.D
 Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.9	95.5
227	63.6	32.0	96.2





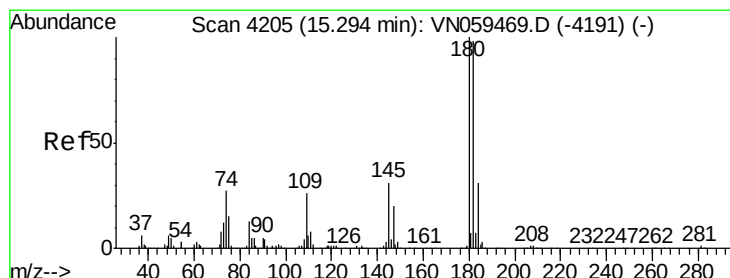
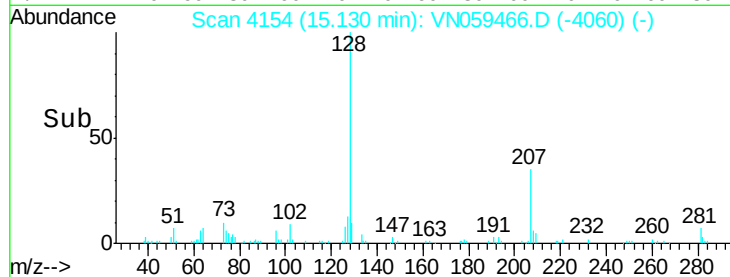
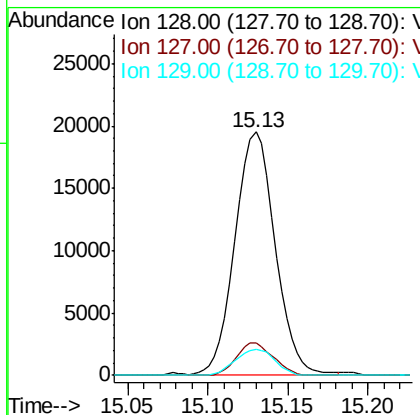
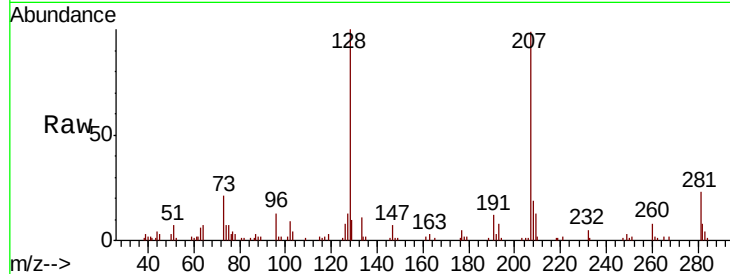
#95
Naphthalene
Concen: 2.928 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	10.3	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 2.355 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059466.D
Acq: 3 Dec 2019 13:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	48.5	145.5
145	35.5	16.1	48.2

