

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059584.D
 Acq On : 13 Dec 2019 15:38
 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
 12/16/2019 12:48:43 PM

Quant Time: Dec 13 17:44:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	150618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	246516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	215927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	88077	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	2001	1.117	ug/l	92
3) Chloromethane	2.04	50	3999	1.458	ug/l	99
4) Vinyl Chloride	2.17	62	3352	1.253	ug/l	91
6) Chloroethane	2.69	64	2069	1.304	ug/l	93
7) Trichlorofluoromethane	2.99	101	3516	1.104	ug/l	96
8) Diethyl Ether	3.39	74	1038m	0.958	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1487m	0.905	ug/l	
12) 1,1-Dichloroethene	3.72	96	1541	0.959	ug/l	92
14) Allyl chloride	4.29	41	3614	1.172	ug/l #	86
15) Acrylonitrile	4.97	53	4802	5.101	ug/l #	20
16) Acetone	3.80	43	9017	8.481	ug/l	96
17) Carbon Disulfide	4.03	76	8667	1.468	ug/l #	93
18) Methyl Acetate	4.30	43	3371	1.273	ug/l #	78
19) Methyl tert-butyl Ether	5.01	73	5390	1.010	ug/l	98
20) Methylene Chloride	4.52	84	2391	1.174	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	1931	1.123	ug/l #	59
22) Diisopropyl ether	5.92	45	5694	0.971	ug/l	95
23) Vinyl Acetate	5.87	43	22459	4.622	ug/l	96
24) 1,1-Dichloroethane	5.81	63	3673	1.102	ug/l #	85
25) 2-Butanone	6.81	43	7359	5.336	ug/l	97
26) 2,2-Dichloropropane	6.80	77	3045	1.010	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	1811	0.935	ug/l	67
28) Bromochloromethane	7.17	49	847	0.780	ug/l #	46
29) Tetrahydrofuran	7.19	42	4666	4.958	ug/l #	78
30) Chloroform	7.34	83	3366	1.024	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	2880	0.987	ug/l #	53
36) 1,1-Dichloropropene	7.77	75	2659	1.035	ug/l	94
37) Ethyl Acetate	6.91	43	2839	1.061	ug/l #	69
38) Carbon Tetrachloride	7.75	117	2709	1.067	ug/l	95
39) Methylcyclohexane	9.07	83	2499	0.868	ug/l	89
40) Benzene	8.02	78	7869	1.070	ug/l #	90
41) Methacrylonitrile	7.15	41	1073m	0.856	ug/l	
42) 1,2-Dichloroethane	8.10	62	3101	1.130	ug/l #	78
43) Isopropyl Acetate	8.15	43	4362	0.980	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.81	130	2146	1.152	ug/l	98
45) 1,2-Dichloropropane	9.10	63	2133	1.096	ug/l	97
46) Dibromomethane	9.19	93	1309	1.015	ug/l	95
47) Bromodichloromethane	9.39	83	2555	0.998	ug/l #	97
48) Methyl methacrylate	9.19	41	2172	1.112	ug/l #	84
49) 1,4-Dioxane	9.18	88	547	20.933	ug/l #	75
51) 4-Methyl-2-Pentanone	9.98	43	11874	4.589	ug/l	100
52) Toluene	10.14	92	4317	0.984	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	3095	1.037	ug/l #	84
54) cis-1,3-Dichloropropene	9.83	75	2999	0.980	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	1693	0.954	ug/l	92
56) Ethyl methacrylate	10.42	69	1784	0.680	ug/l #	69
57) 1,3-Dichloropropane	10.70	76	3501	1.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	8561	10.306	ug/l	96
59) 2-Hexanone	10.75	43	9381	4.784	ug/l	98
60) Dibromochloromethane	10.90	129	1712	0.890	ug/l	90
61) 1,2-Dibromoethane	11.00	107	1880	1.019	ug/l	87
64) Tetrachloroethene	10.62	164	2113	1.261	ug/l	93
65) Chlorobenzene	11.43	112	5230	1.134	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.50	131	1488	0.864	ug/l #	41
67) Ethyl Benzene	11.51	91	8411	1.015	ug/l	94
68) m/p-Xylenes	11.62	106	5822	1.897	ug/l	97
69) o-Xylene	11.94	106	2879	1.005	ug/l	100
70) Styrene	11.96	104	4416	0.931	ug/l	98
71) Bromoform	12.13	173	1359	1.018	ug/l #	81
73) Isopropylbenzene	12.25	105	7291	1.059	ug/l	92
74) N-amyl acetate	12.07	43	3312	1.098	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	2434	1.059	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	2942m	1.269	ug/l	
77) Bromobenzene	12.53	156	1933	1.145	ug/l	94
78) n-propylbenzene	12.59	91	8441	1.009	ug/l	98
79) 2-Chlorotoluene	12.67	91	5493	1.100	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	6087	1.045	ug/l	96
82) 4-Chlorotoluene	12.77	91	5846	1.149	ug/l	96
83) tert-Butylbenzene	12.99	119	5379	1.109	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	5858	1.019	ug/l	99
85) sec-Butylbenzene	13.17	105	7203	1.084	ug/l	98
86) p-Isopropyltoluene	13.29	119	6610	1.115	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3728	1.205	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	4387	1.451	ug/l	86
89) n-Butylbenzene	13.62	91	6808	1.218	ug/l	95
90) Hexachloroethane	13.87	117	1465	1.337	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	3885	1.333	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1452m	2.492	ug/l	
93) 1,2,4-Trichlorobenzene	14.91	180	3310	1.669	ug/l	96
94) Hexachlorobutadiene	15.01	225	2131	2.129	ug/l	89
95) Naphthalene	15.13	128	12720	2.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	4247	2.084	ug/l	90

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ClientSampleId :
VSTDICC001

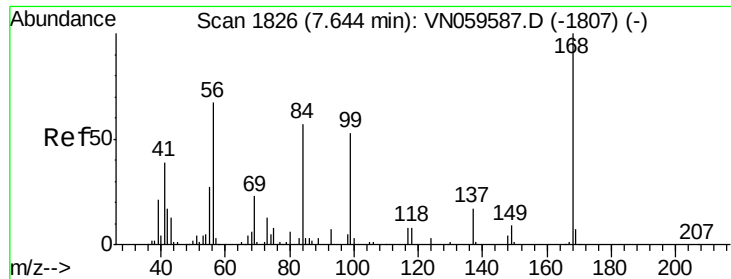
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 150618

Ion Ratio Lower Upper

168 100

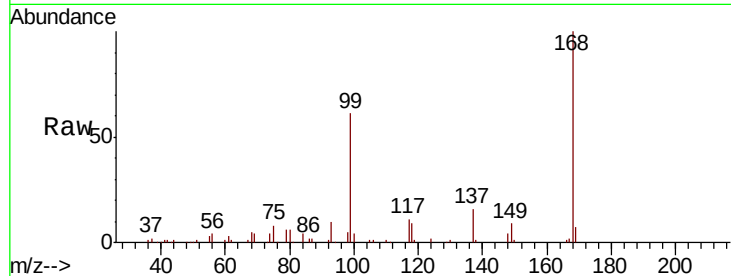
99 60.6 48.2 72.4

Manual Integrations

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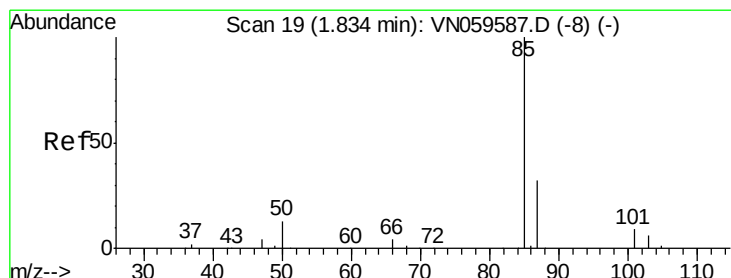
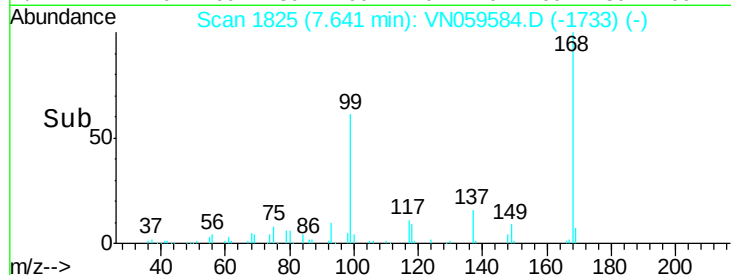
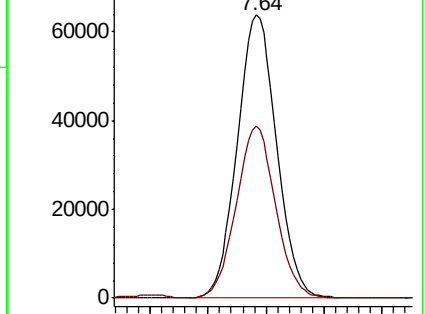
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 1.117 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059584.D

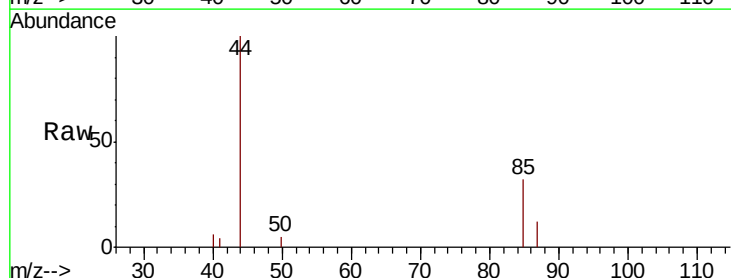
Acq: 13 Dec 2019 15:38

Tgt Ion: 85 Resp: 2001

Ion Ratio Lower Upper

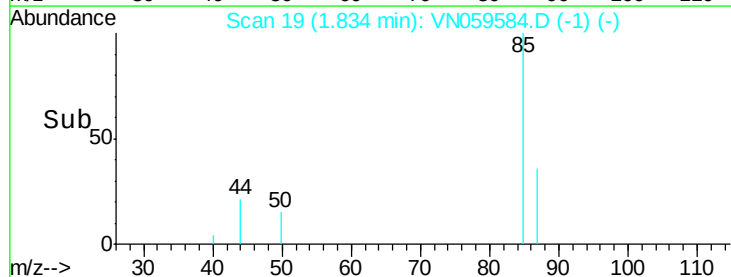
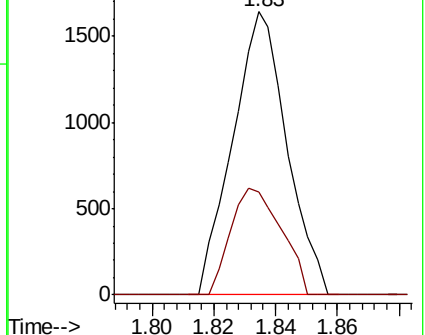
85 100

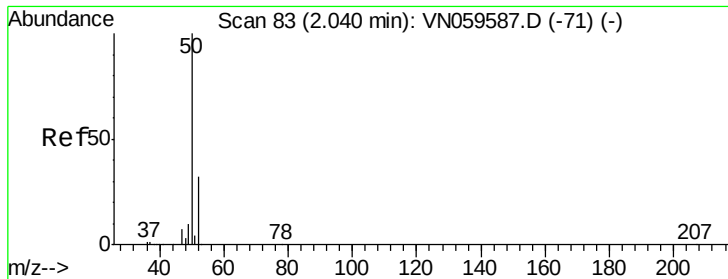
87 36.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 1.458 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3999

Ion Ratio Lower Upper

50 100

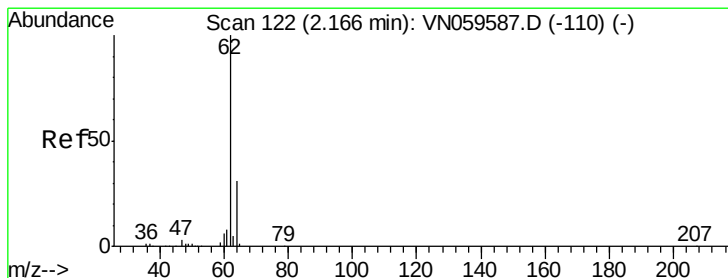
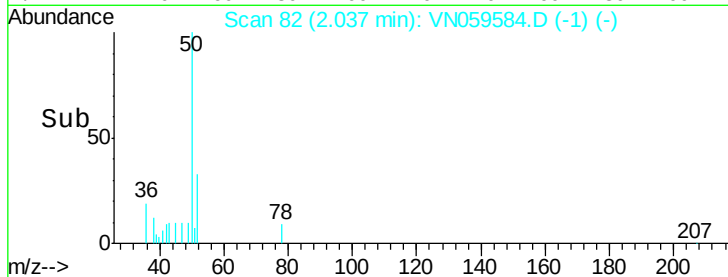
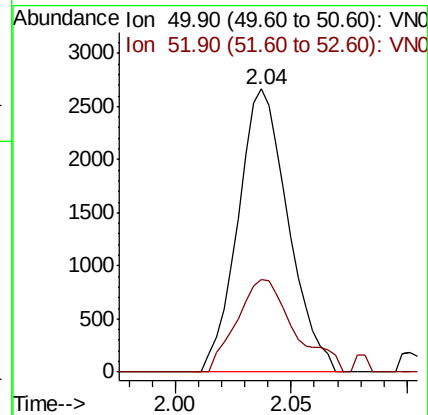
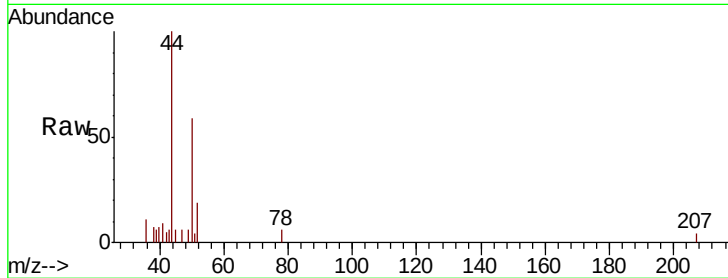
52 33.0 25.9 38.9

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#4

Vinyl Chloride

Concen: 1.253 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059584.D

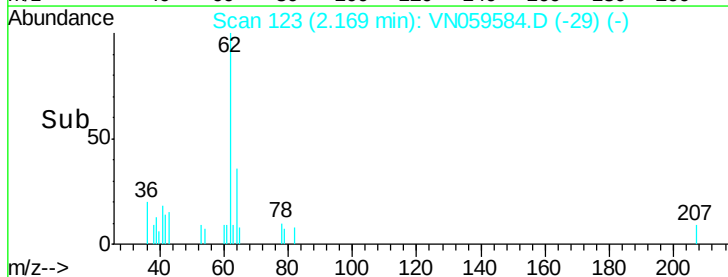
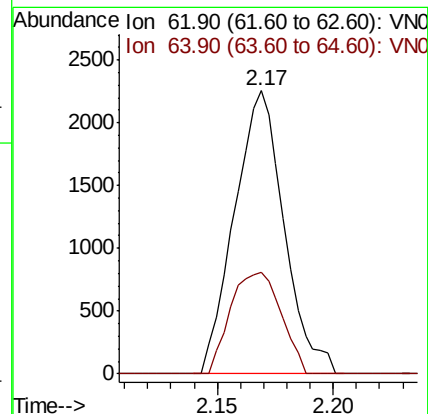
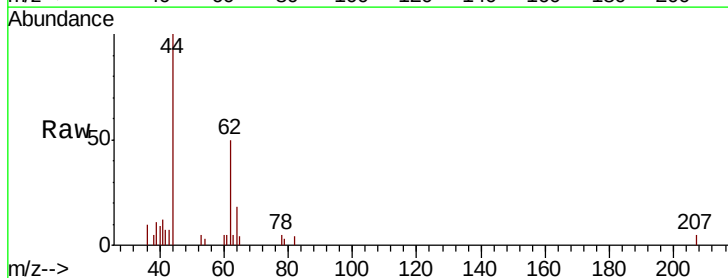
Acq: 13 Dec 2019 15:38

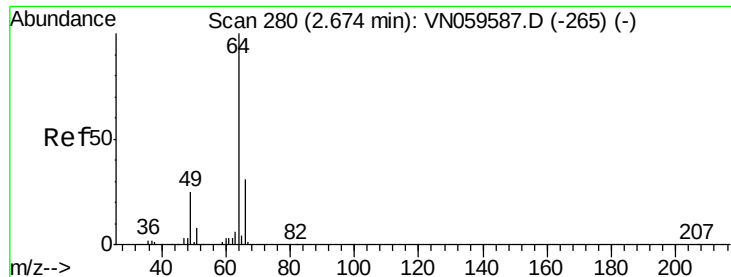
Tgt Ion: 62 Resp: 3352

Ion Ratio Lower Upper

62 100

64 36.0 24.6 37.0





#6

Chloroethane

Concen: 1.304 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tot Ion: 64 Resp: 2069

Ion Ratio Lower Upper

64 100

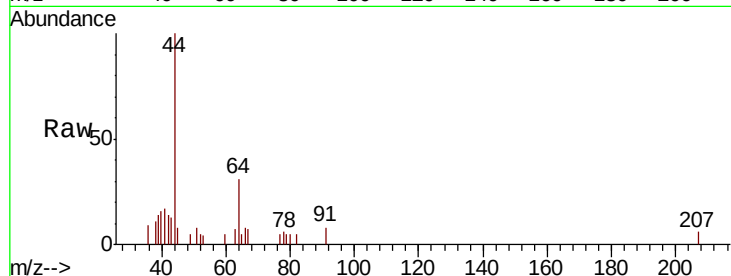
66 27.6 25.1 37.7

Manual Integrations

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Abundance Ion 63.90 (63.60 to 64.60): VN059587.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059587.D (-265) (-)

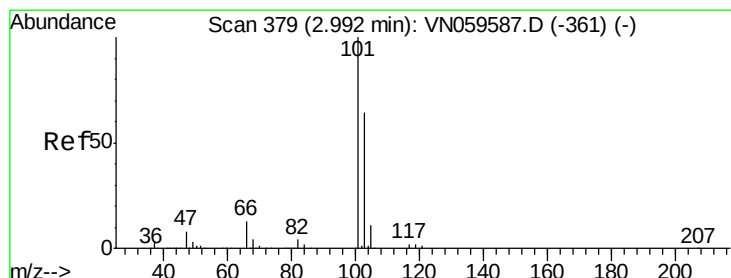
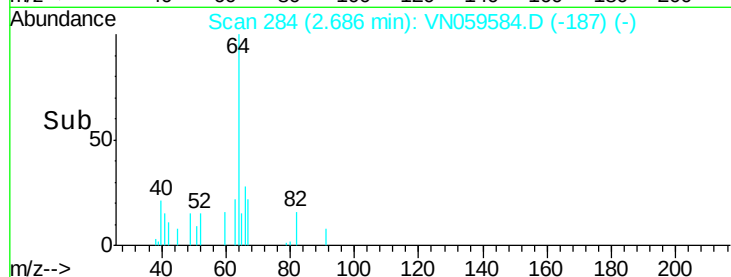
2.69

1000

500

0

Time-->



#7

Trichlorofluoromethane

Concen: 1.104 ug/l

RT: 2.99 min Scan# 379

Delta R.T. -0.00 min

Lab File: VN059584.D

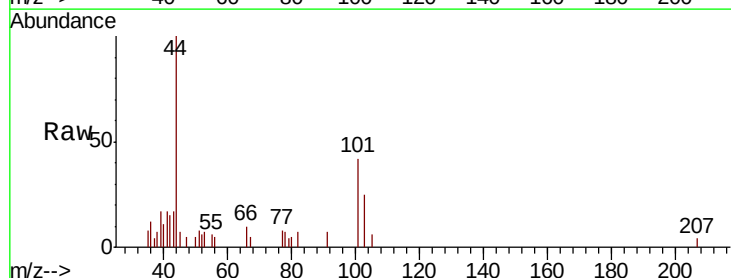
Acq: 13 Dec 2019 15:38

Tgt Ion: 101 Resp: 3516

Ion Ratio Lower Upper

101 100

103 60.8 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): VN059587.D (-361) (-)

Ion 102.80 (102.50 to 103.50): VN059587.D (-361) (-)

2.99

2000

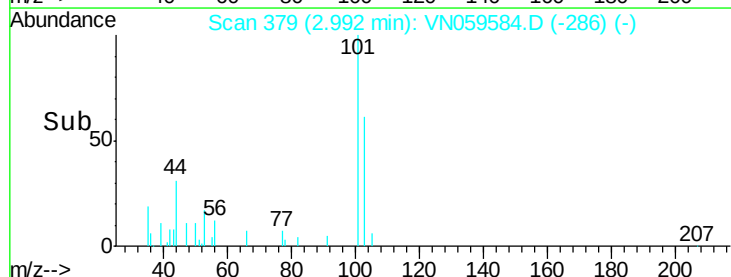
1500

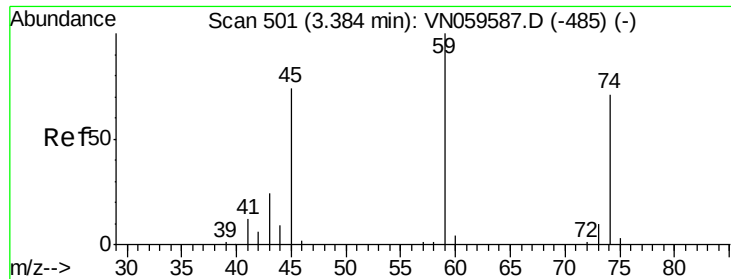
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.958 ug/l m

RT: 3.39 min Scan# 504

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1038

Ion Ratio Lower Upper

74 100

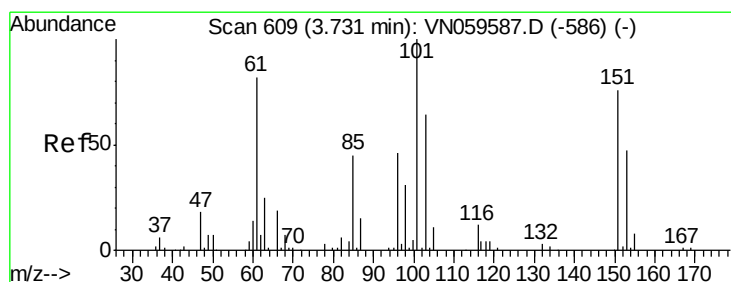
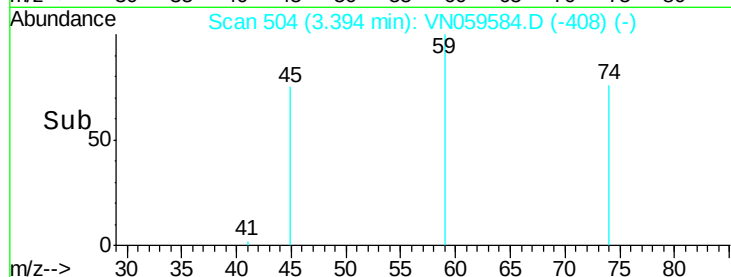
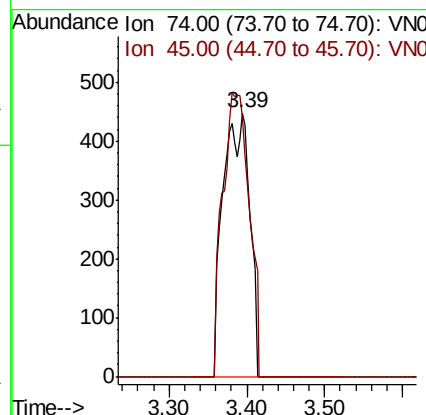
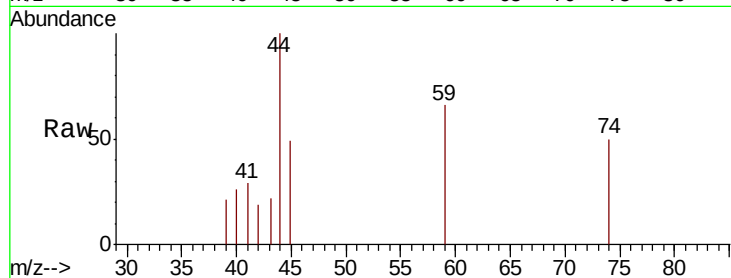
45 108.4 51.9 155.8

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.905 ug/l m

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

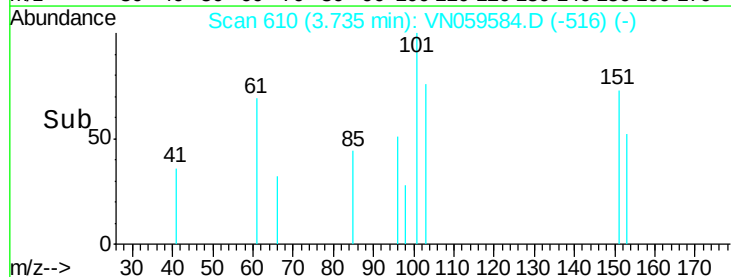
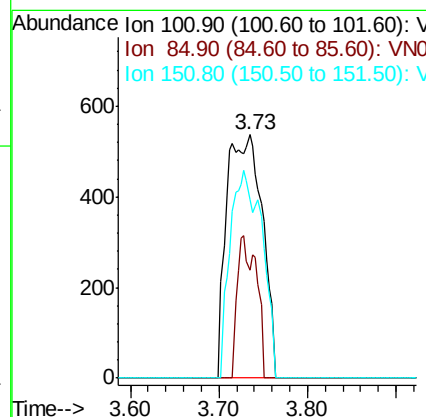
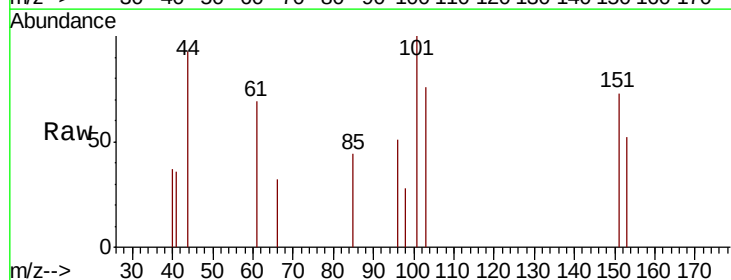
Tgt Ion: 101 Resp: 1487

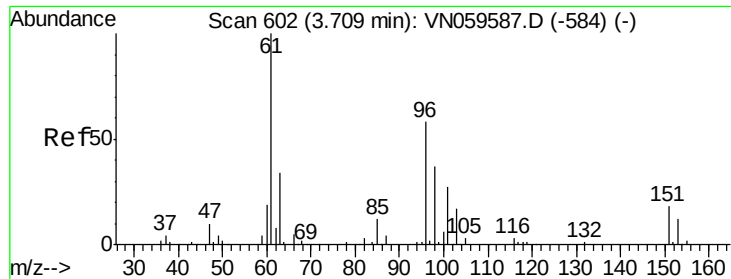
Ion Ratio Lower Upper

101 100

85 19.8 36.6 54.8#

151 51.4 59.7 89.5#





#12

1,1-Dichloroethene

Concen: 0.959 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

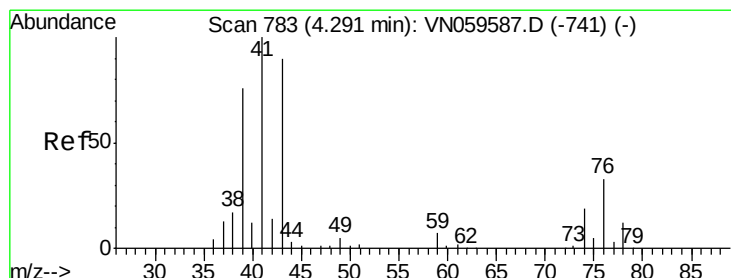
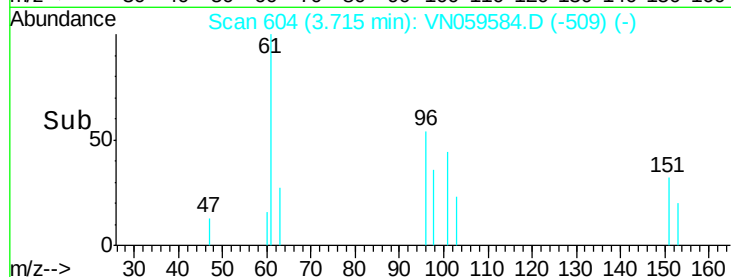
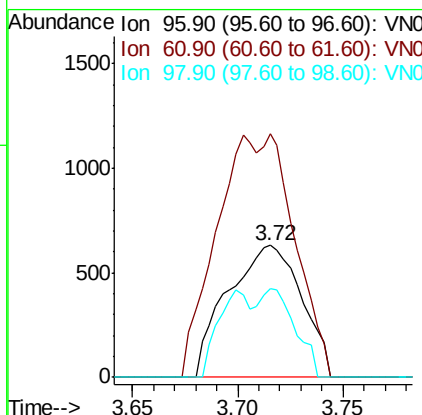
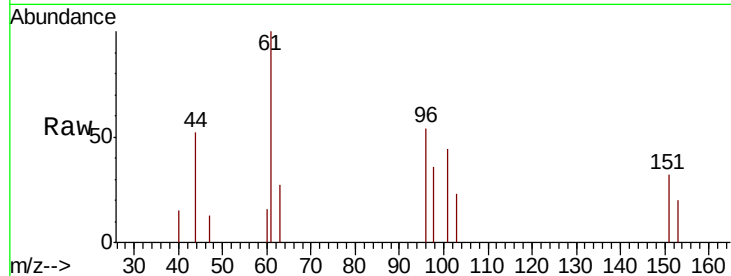
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	1541
Ion	Ratio	Lower	Upper
96	100		
61	184.8	137.5	206.3
98	67.1	50.2	75.4

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#14

Allyl chloride

Concen: 1.172 ug/l

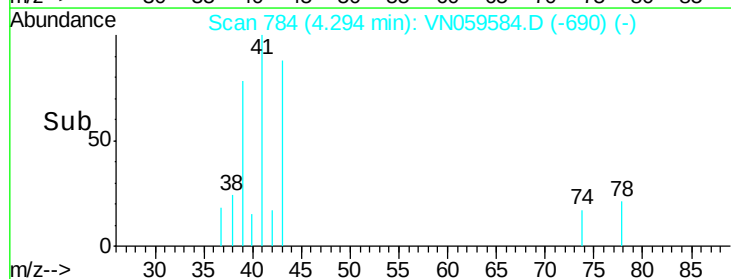
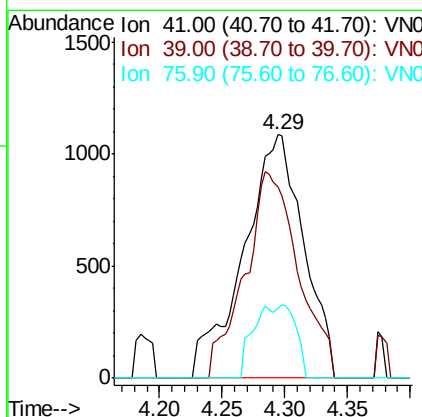
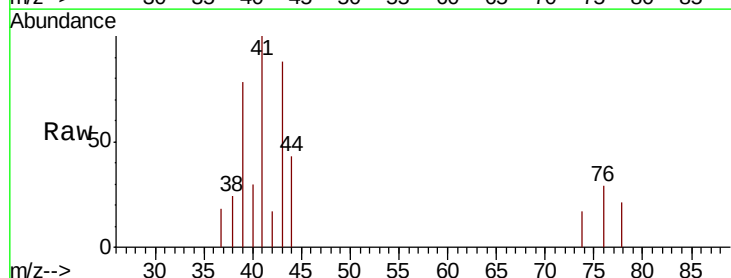
RT: 4.29 min Scan# 784

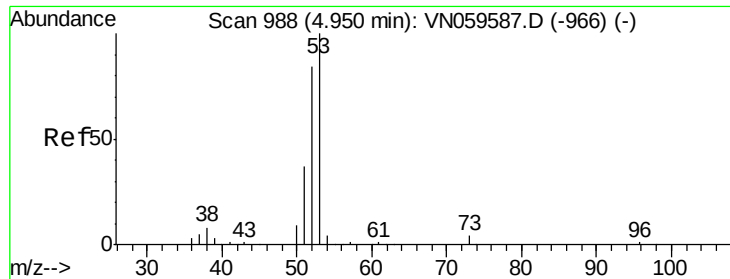
Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	41	Resp:	3614
Ion	Ratio	Lower	Upper
41	100		
39	75.9	57.8	86.8
76	10.9	25.4	38.0#





#15

Acrylonitrile

Concen: 5.101 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.02 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

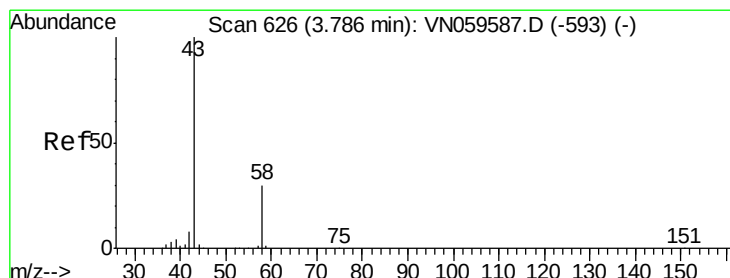
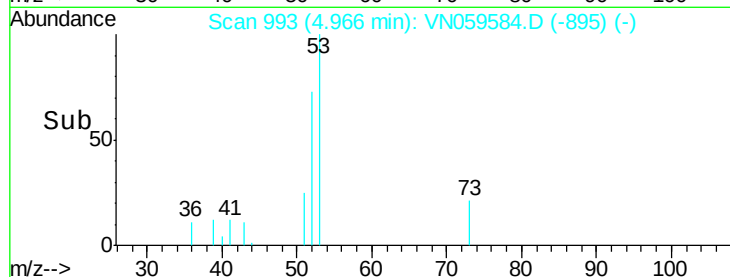
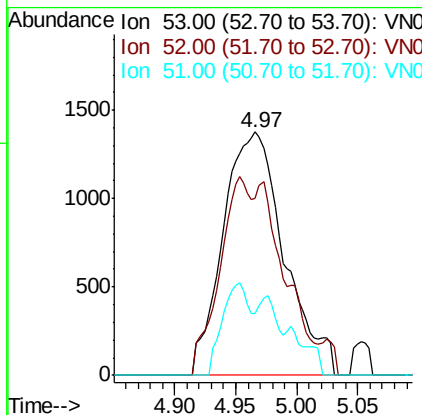
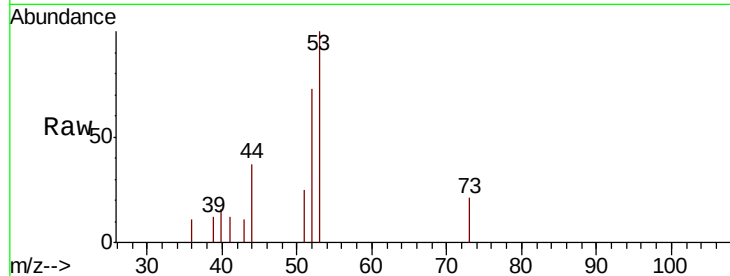
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	4802
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.3	99.5#
51	4.7	29.7	44.5#

Manual Integrations
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#16

Acetone

Concen: 8.481 ug/l

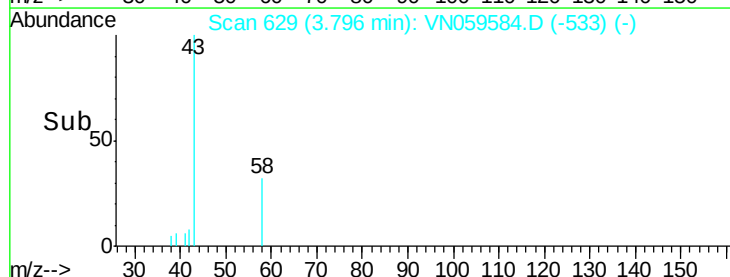
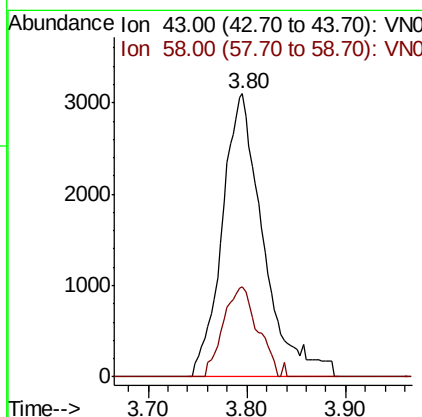
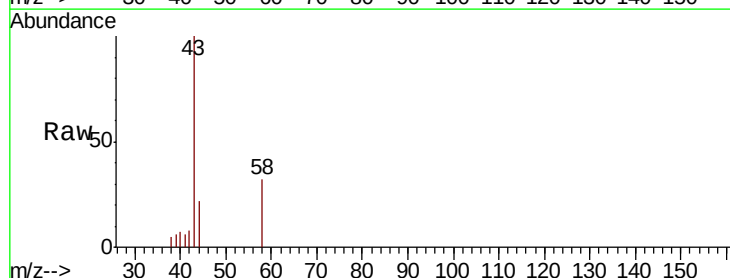
RT: 3.80 min Scan# 629

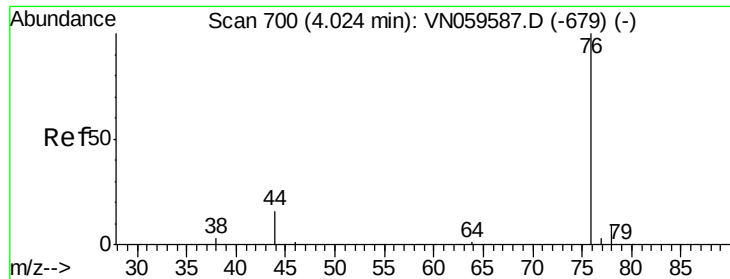
Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	43	Resp:	9017
Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.6	35.4





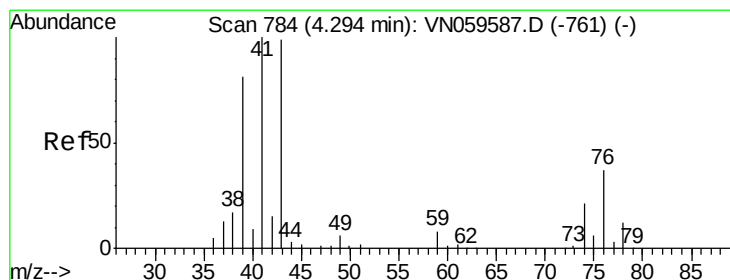
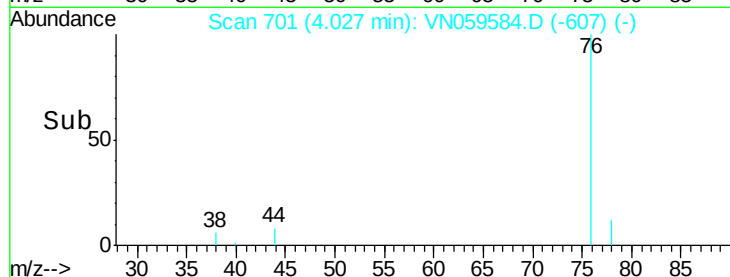
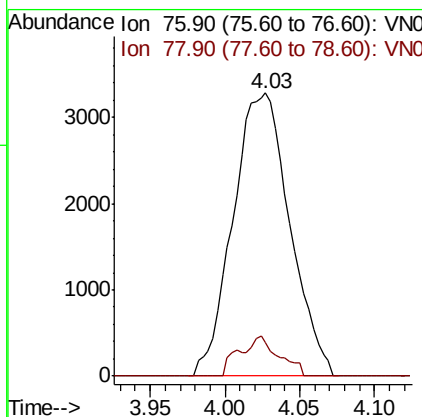
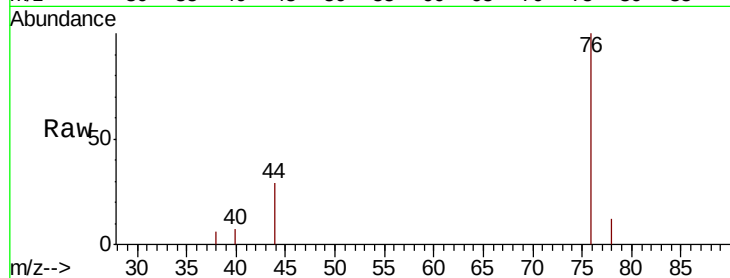
#17
Carbon Disulfide
Concen: 1.468 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.9	7.4	11.0#

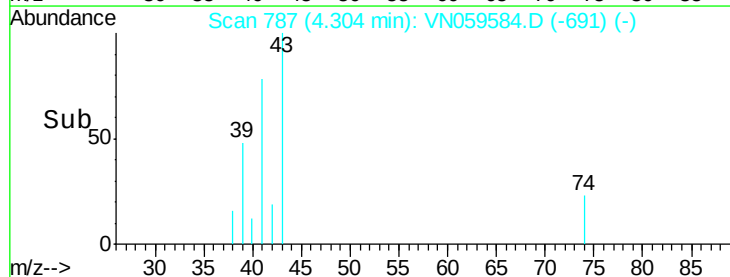
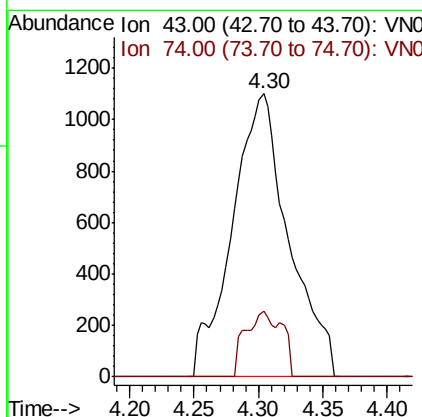
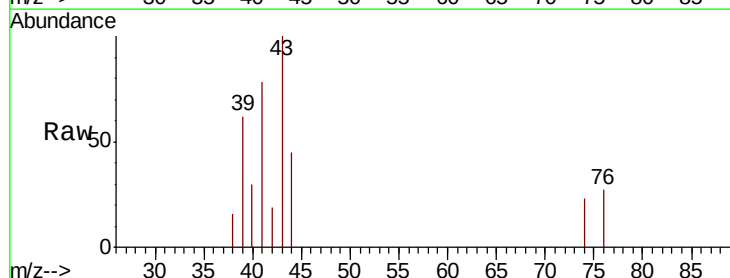
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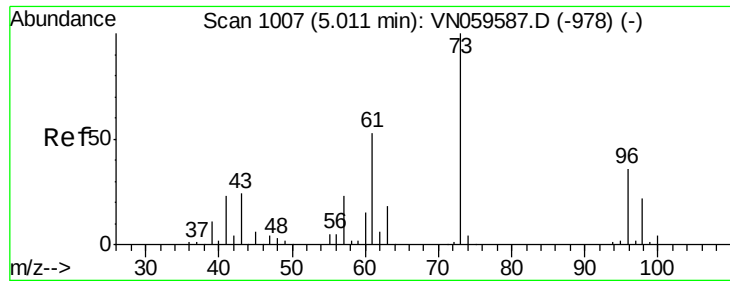
apatel
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#18
Methyl Acetate
Concen: 1.273 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.5	17.5	26.3#





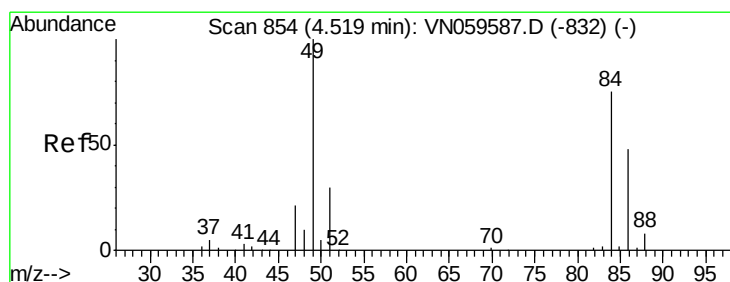
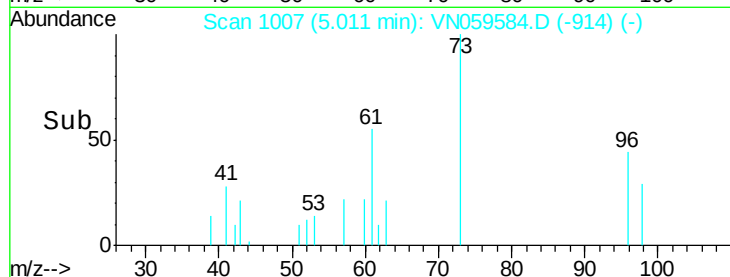
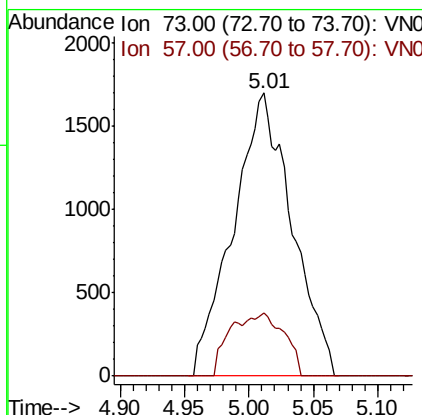
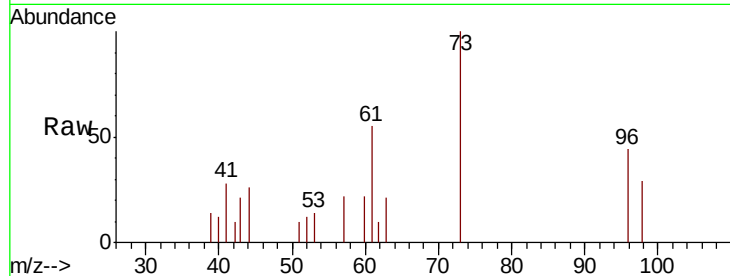
#19
Methyl tert-butyl Ether
Concen: 1.010 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 5390
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8

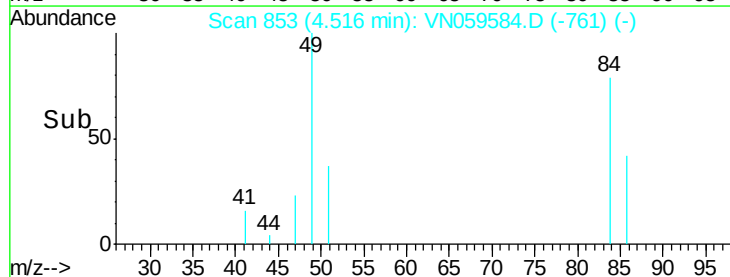
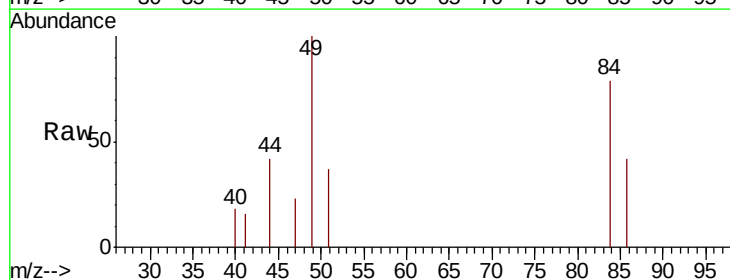
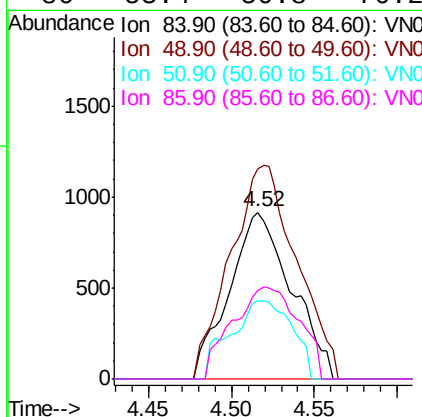
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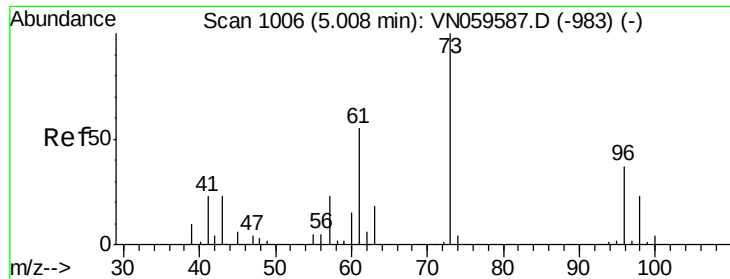
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#20
Methylene Chloride
Concen: 1.174 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 84 Resp: 2391
Ion Ratio Lower Upper
84 100
49 126.2 106.6 160.0
51 46.9 31.9 47.9
86 53.4 50.8 76.2





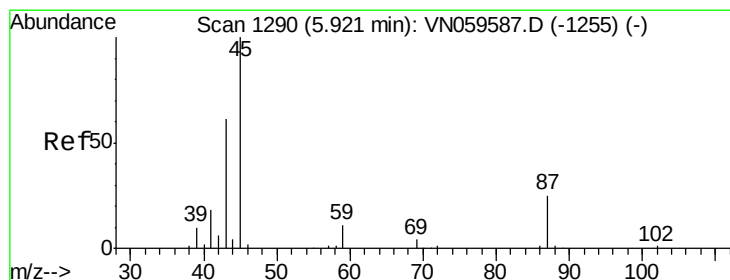
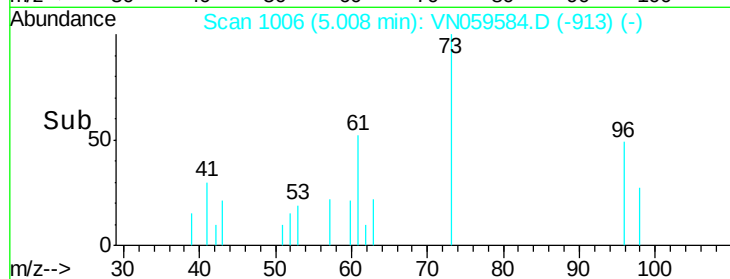
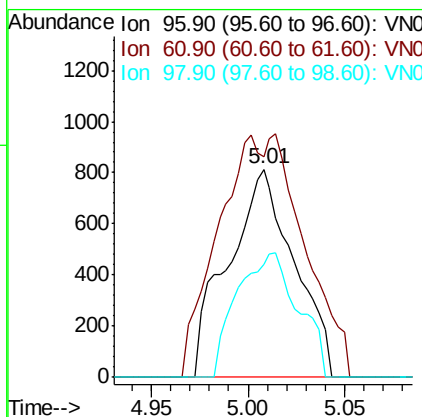
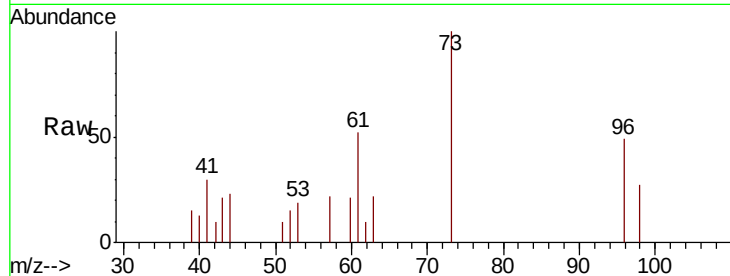
#21
trans-1,2-Dichloroethene
Concen: 1.123 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	81.8	120.4	180.6#
98	54.2	50.6	75.8

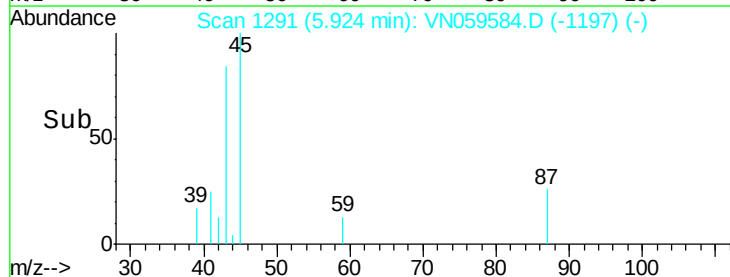
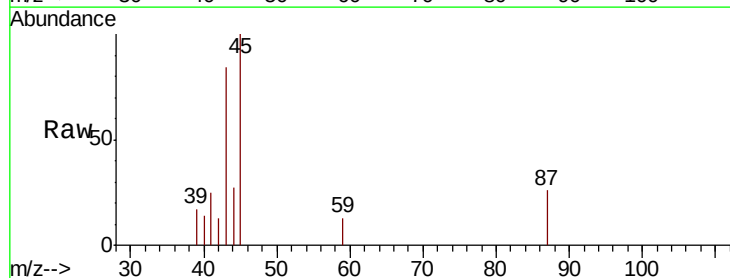
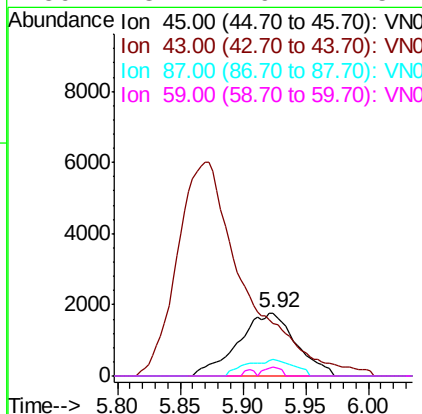
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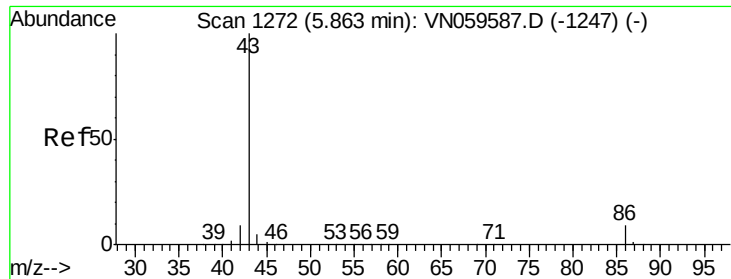
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#22
Diisopropyl ether
Concen: 0.971 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.0	50.8	76.2
87	26.3	21.0	31.6
59	13.4	9.1	13.7





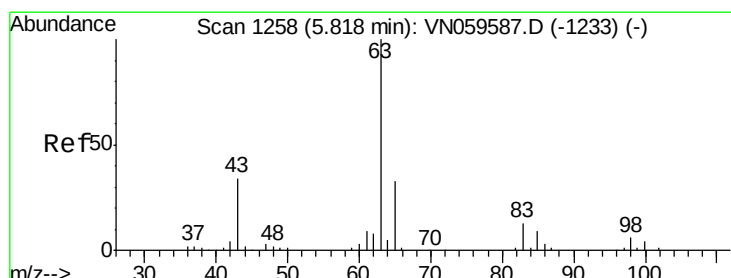
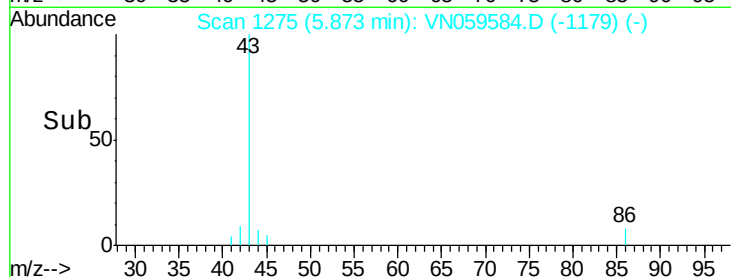
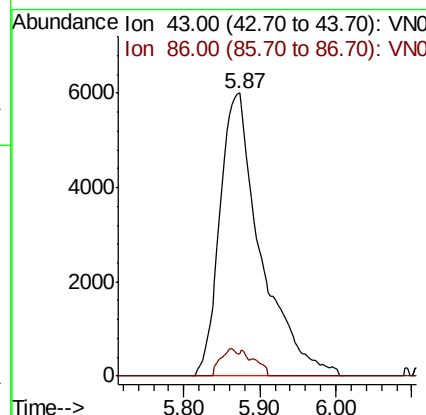
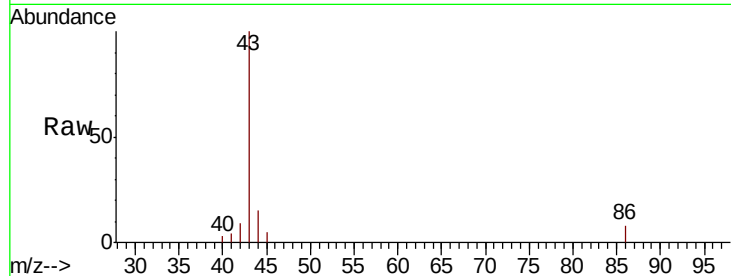
#23
 Vinyl Acetate
 Concen: 4.622 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.01 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	22459
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	7.6	11.4

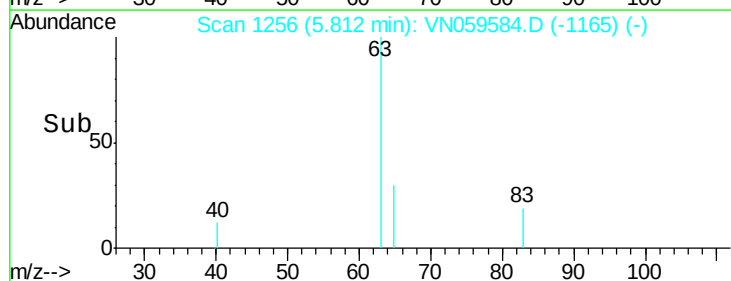
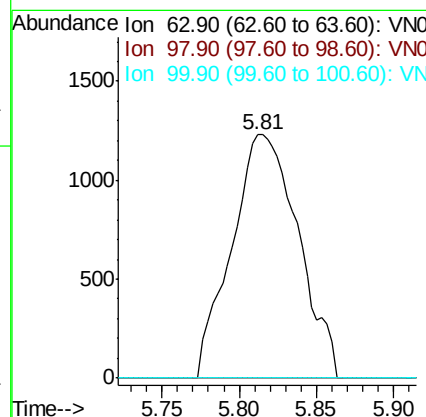
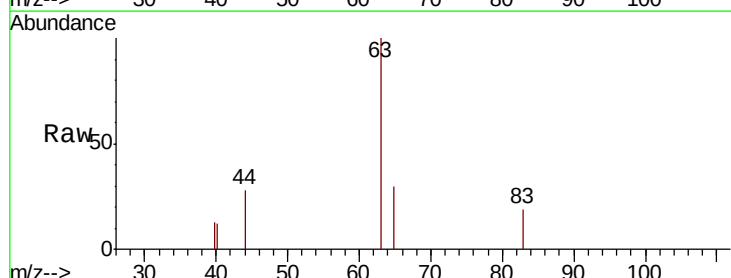
Manual Integrations
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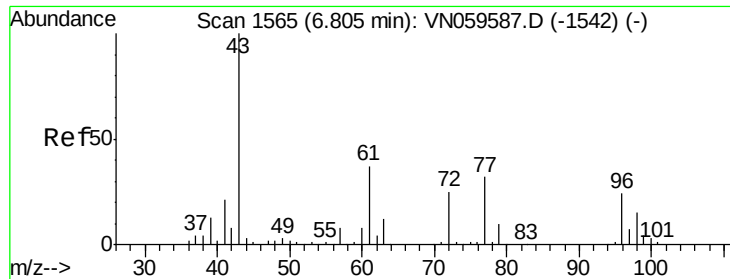
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#24
 1,1-Dichloroethane
 Concen: 1.102 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion	63	Resp	3673
Ion Ratio	100	Lower	Upper
63	100		
98	0.0	2.9	8.7#
100	0.0	2.0	6.0#





#25

2-Butanone

Concen: 5.336 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 7359

Ion Ratio Lower Upper

43 100

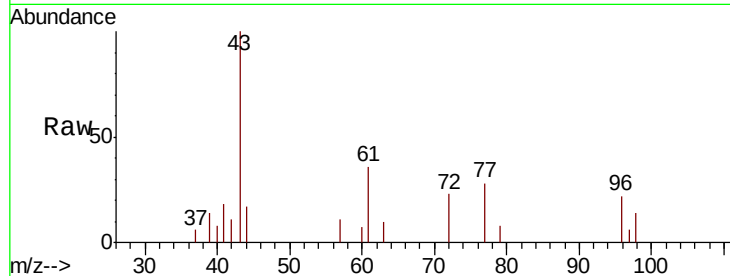
72 23.2 19.9 29.9

Manual Integrations

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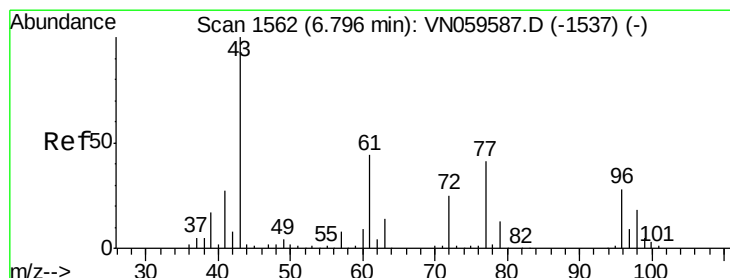
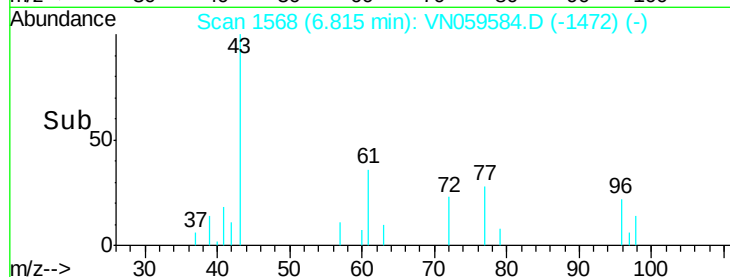
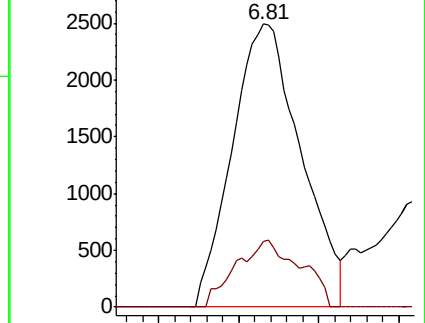
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 1.010 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059584.D

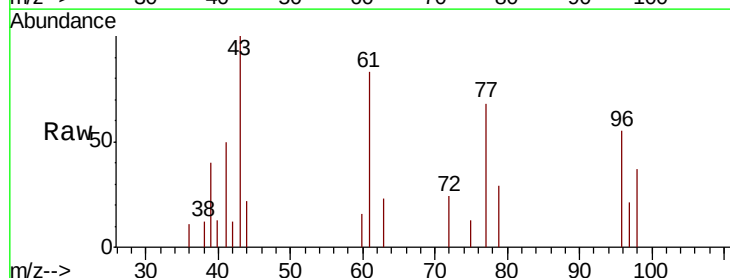
Acq: 13 Dec 2019 15:38

Tgt Ion: 77 Resp: 3045

Ion Ratio Lower Upper

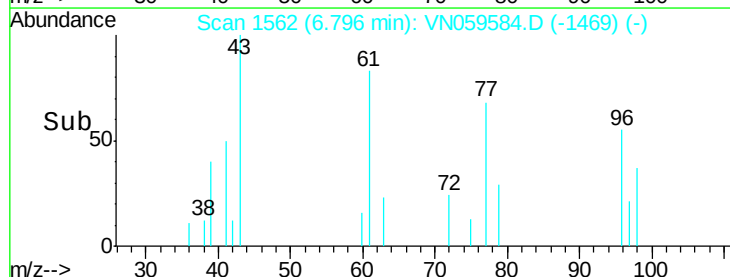
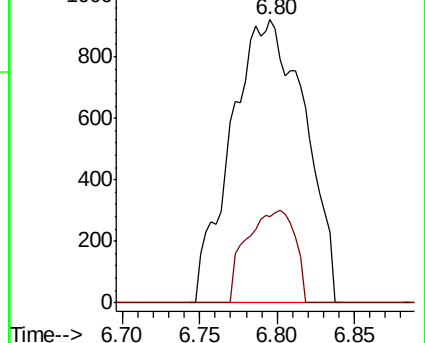
77 100

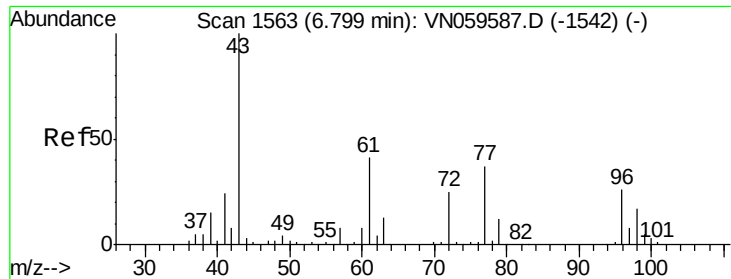
97 21.2 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.935 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

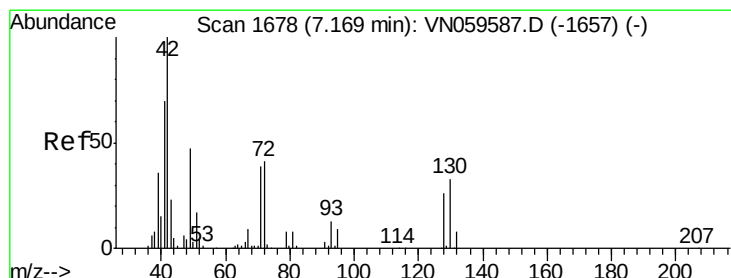
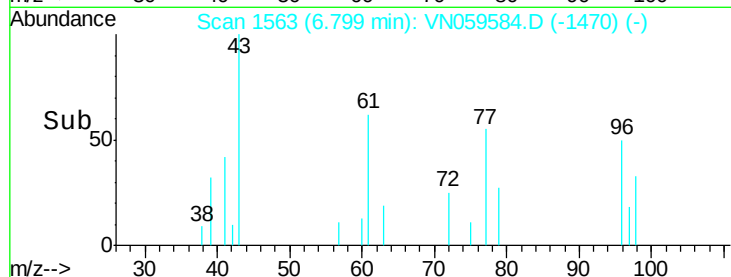
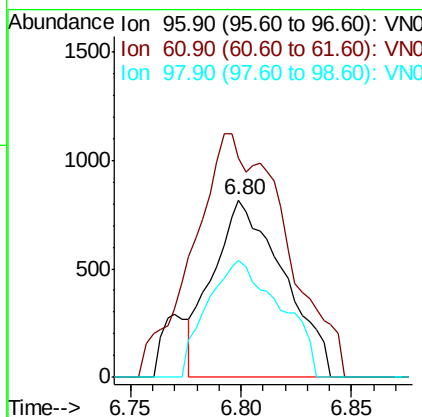
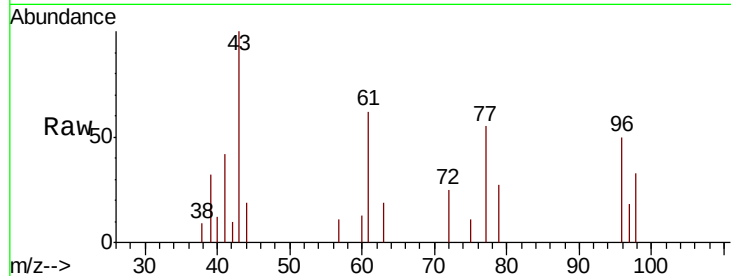
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	1811
Ion	Ratio	Lower	Upper
96	100		
61	101.5	0.0	317.6
98	68.4	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 0.780 ug/l

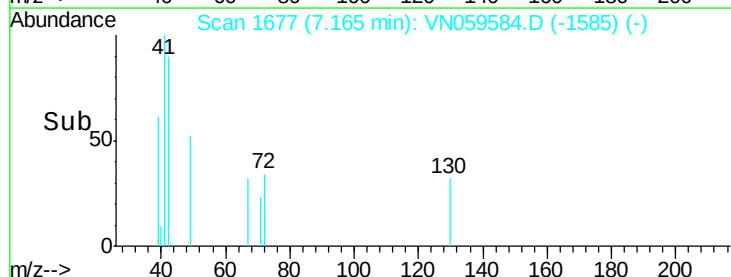
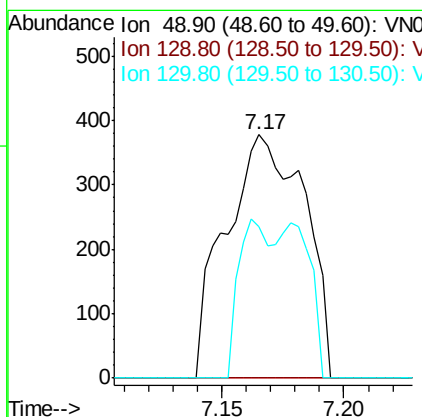
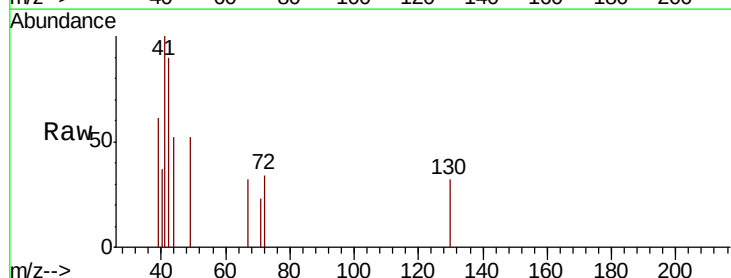
RT: 7.17 min Scan# 1677

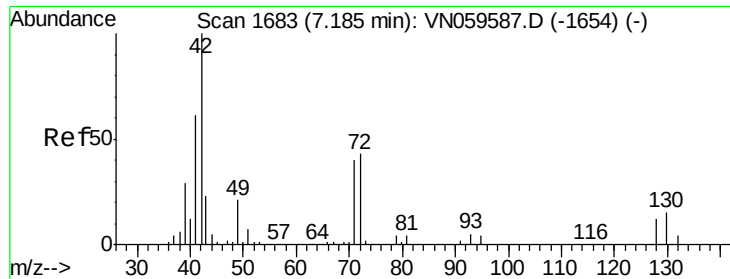
Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	49	Resp:	847
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	24.0	54.7	82.1#





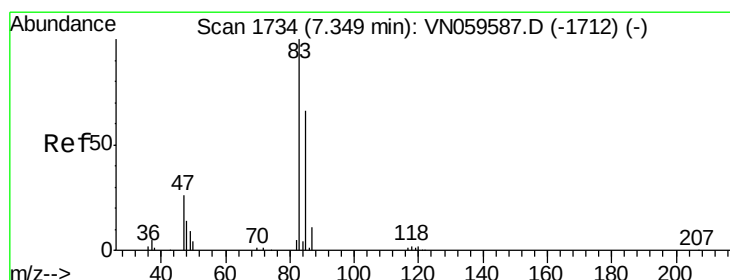
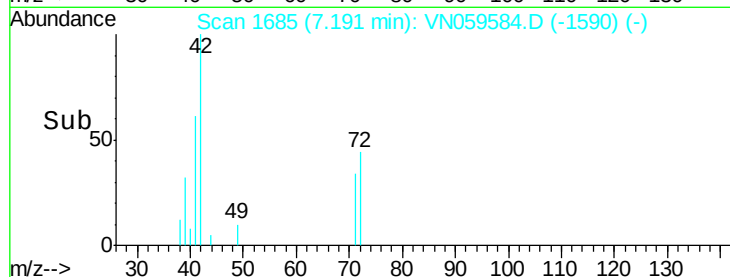
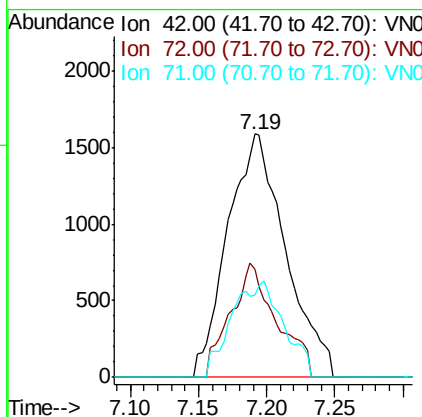
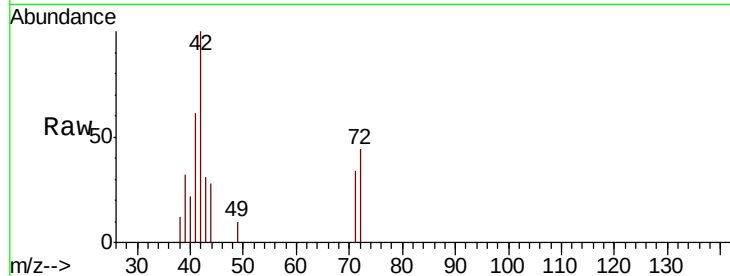
#29
Tetrahydrofuran
Concen: 4.958 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	33.1	49.7
71	15.2	31.4	47.0

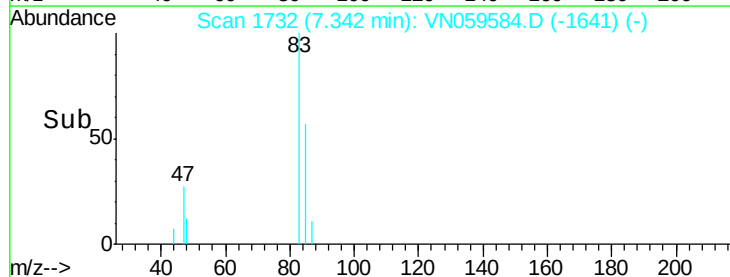
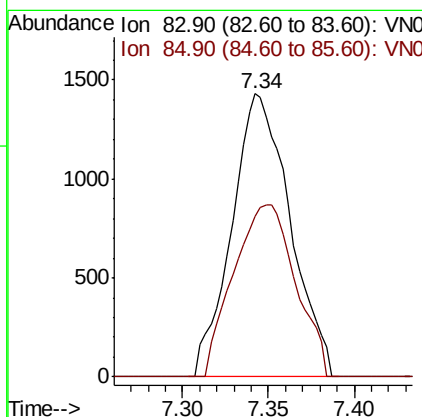
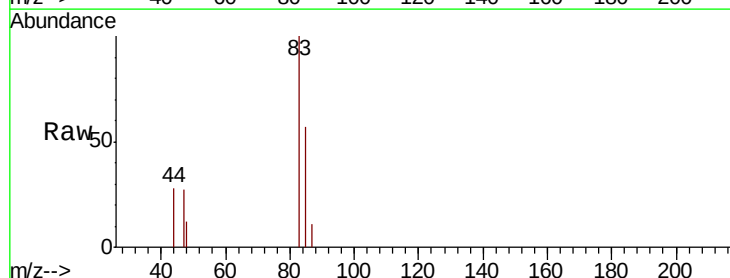
Manual Integrations
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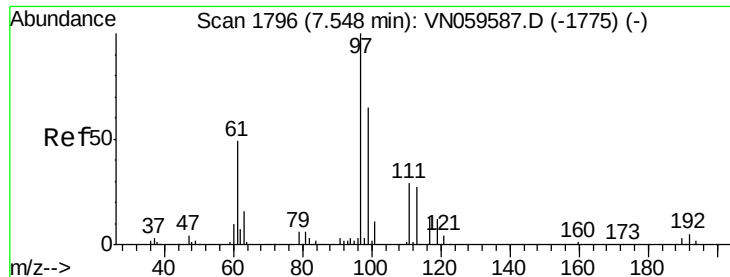
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#30
Chloroform
Concen: 1.024 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.6	52.4	78.6





#32

1,1,1-Trichloroethane

Concen: 0.987 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

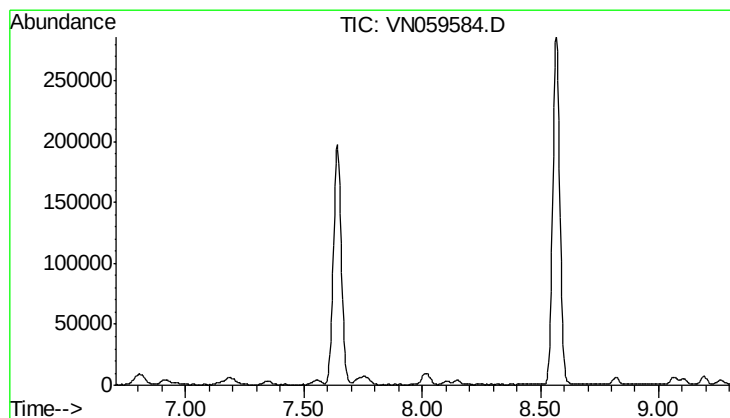
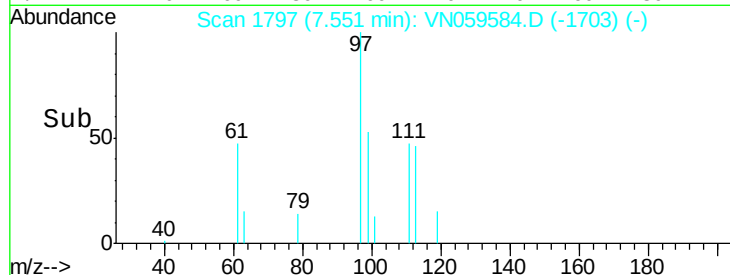
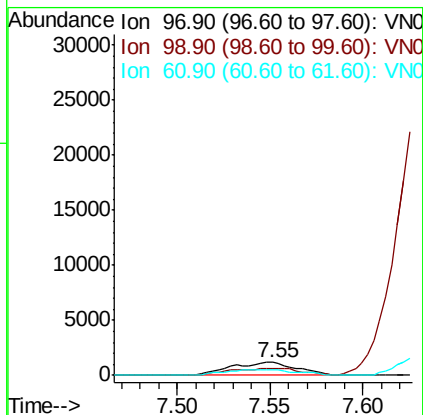
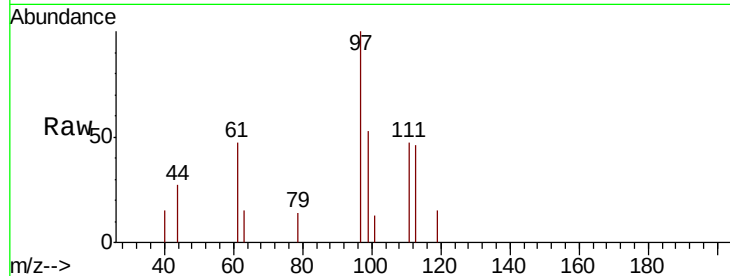
ClientSampled :

VSTDIC001

Tot Ion:	97	Resp:	2880
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	49.1	38.5	57.7

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.00 min

Lab File: VN059584.D

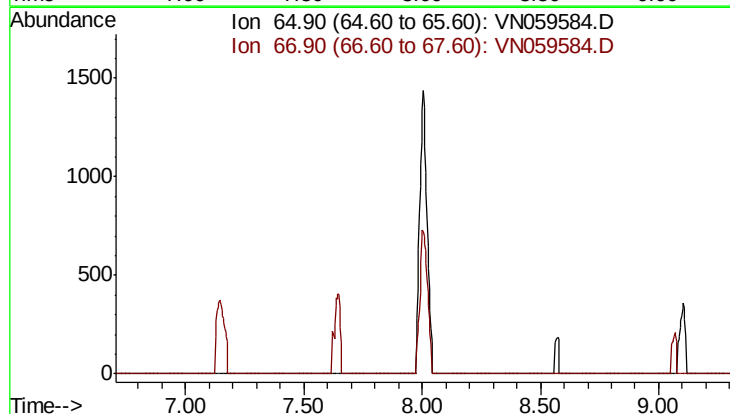
Acq: 13 Dec 2019 15:38

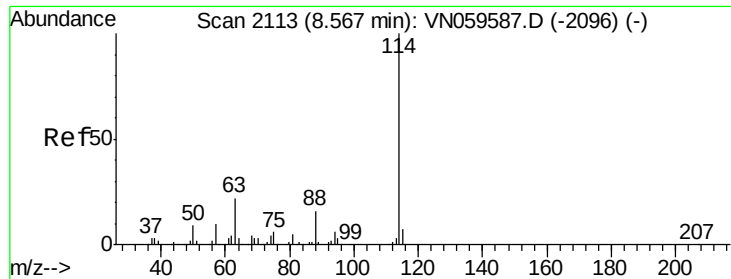
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

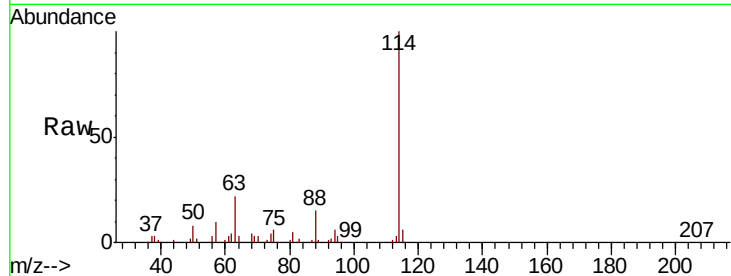
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	246516
Ion Ratio		Lower	Upper
114	100		
63	22.1	0.0	43.6
88	15.1	0.0	31.4

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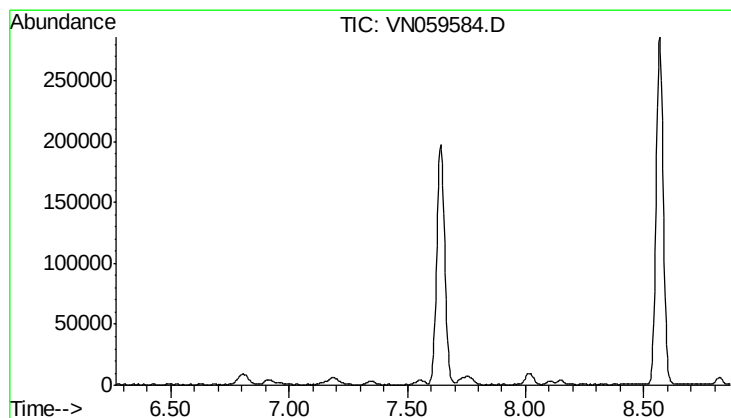
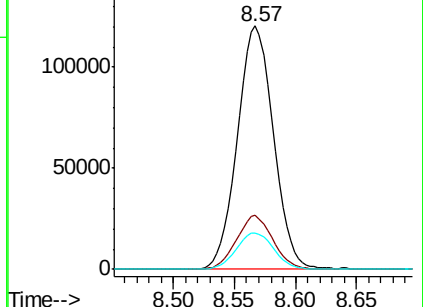
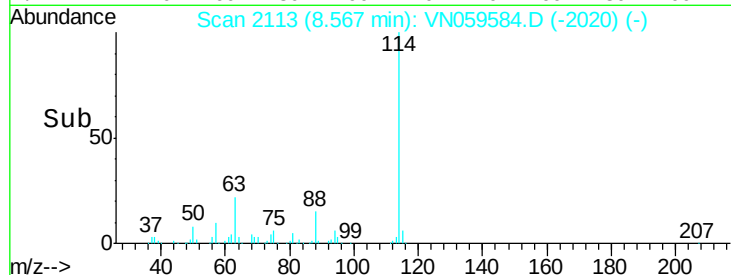
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Abundance Ion 113.90 (113.60 to 114.60): VN059584.D

Ion 63.00 (62.70 to 63.70): VN059584.D

Ion 87.90 (87.60 to 88.60): VN059584.D



#35

Dibromofluoromethane

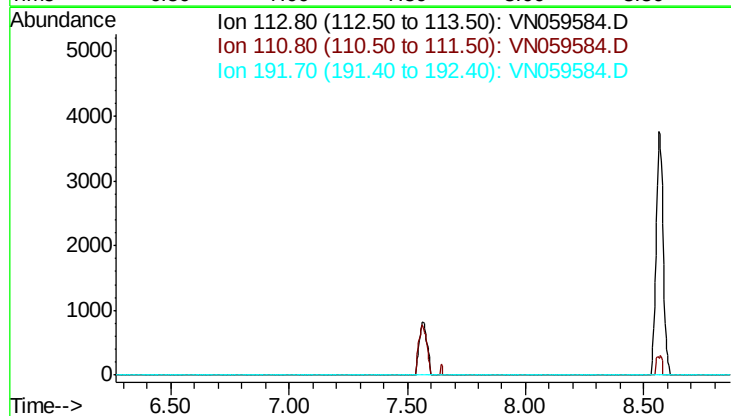
Concen: 0.000 ug/l

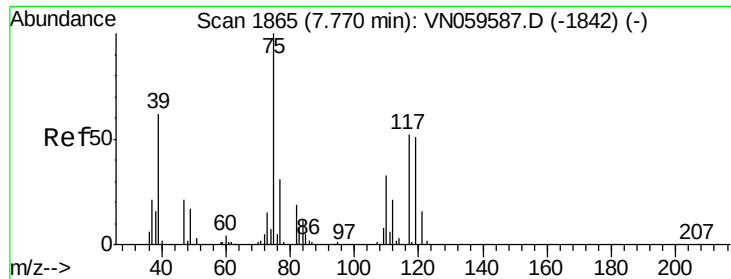
Expected RT: 7.57 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	104.4
192	19.3





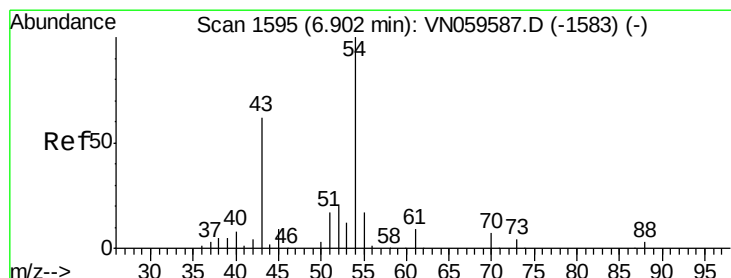
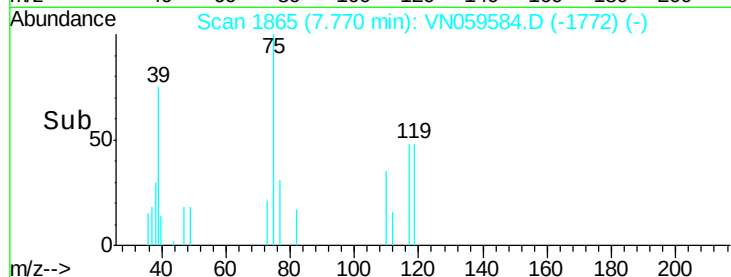
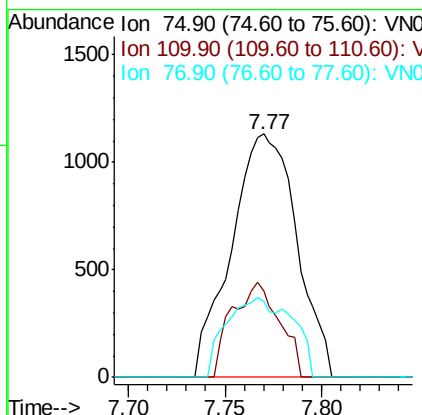
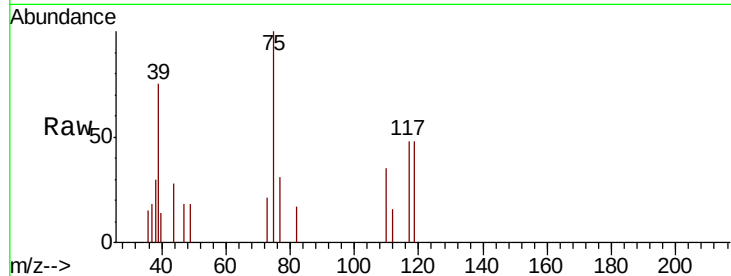
#36
 1,1-Dichloropropene
 Concen: 1.035 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	28.4	16.6	49.7
77	32.9	25.1	37.7

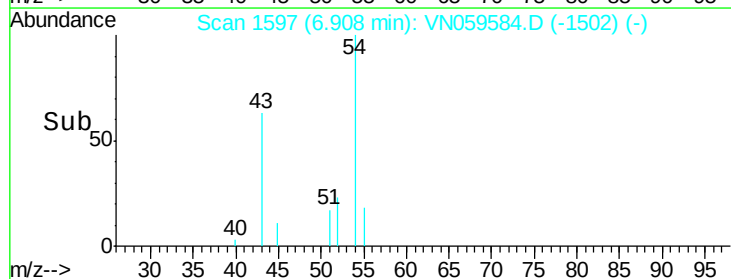
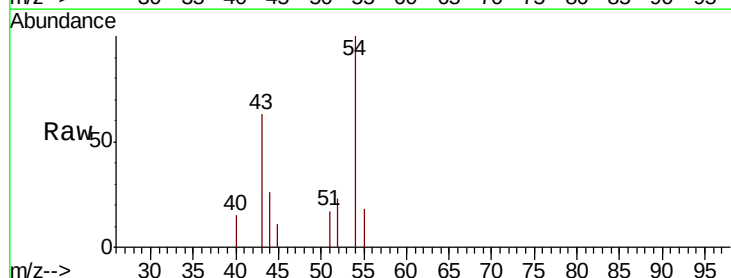
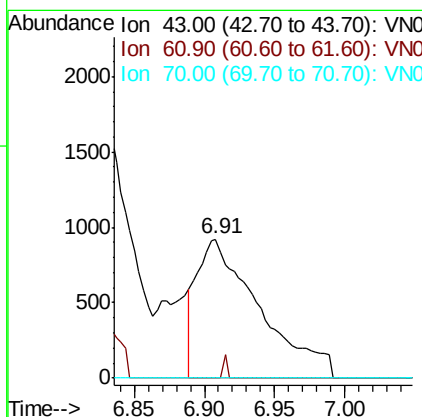
Manual Integrations
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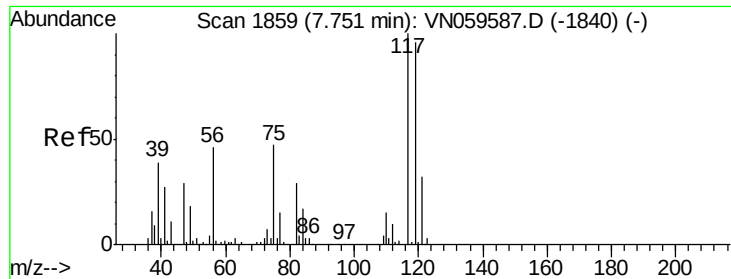
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#37
 Ethyl Acetate
 Concen: 1.061 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	7.7	11.5#





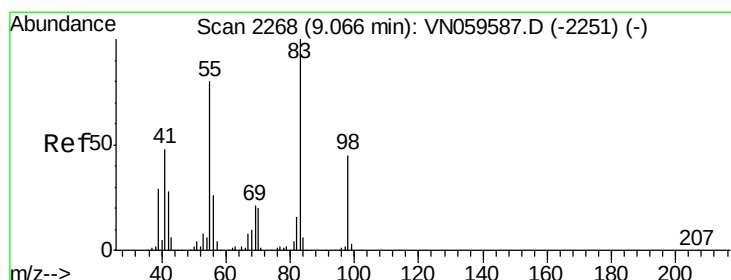
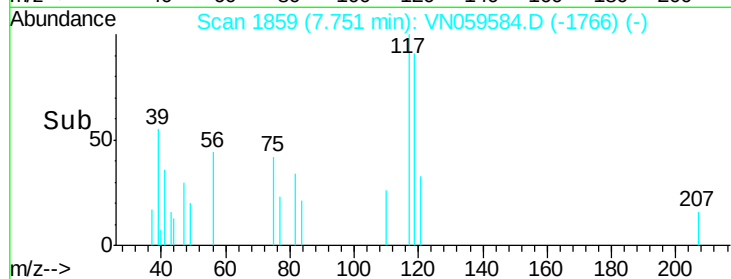
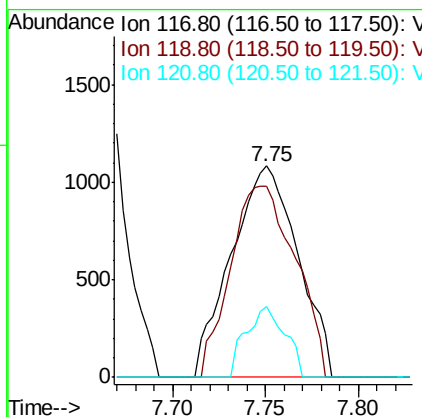
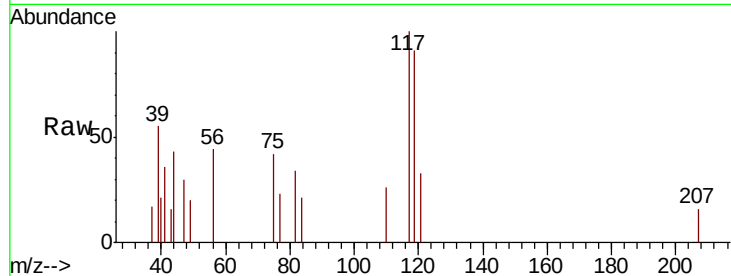
#38
Carbon Tetrachloride
Concen: 1.067 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.5	114.7
121	33.3	25.1	37.7

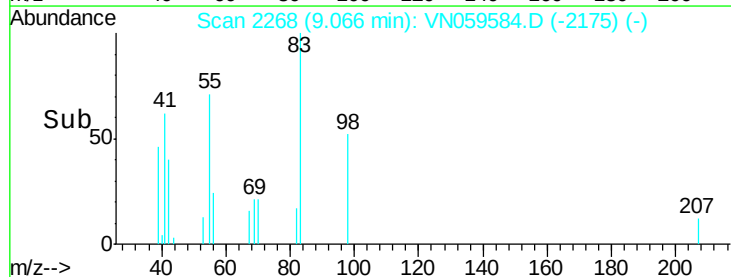
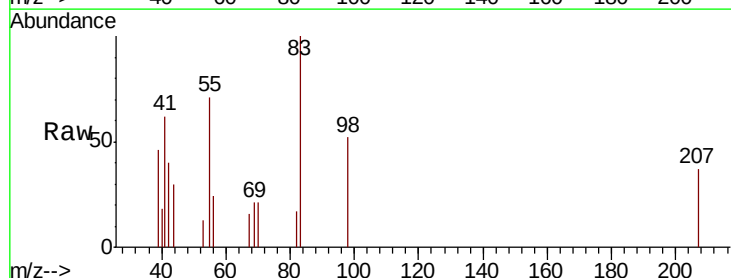
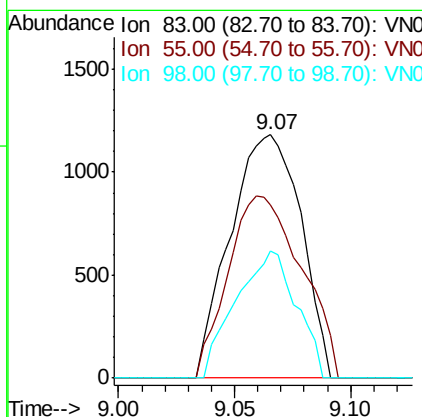
Manual Integrations
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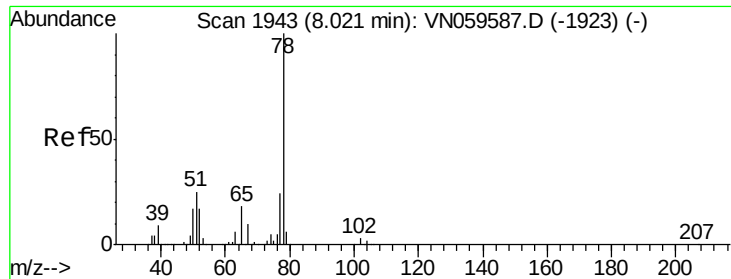
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#39
Methylcyclohexane
Concen: 0.868 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.0	64.2	96.2
98	52.4	35.9	53.9





#40

Benzene

Concen: 1.070 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 7869

Ion Ratio Lower Upper

78 100

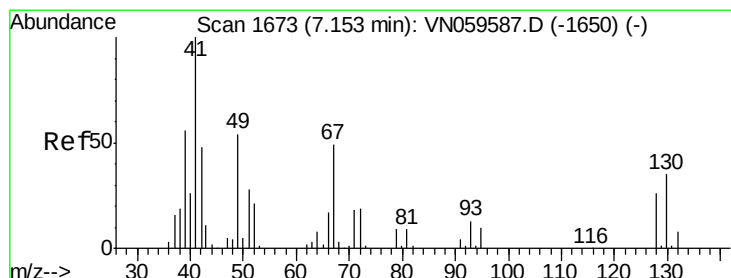
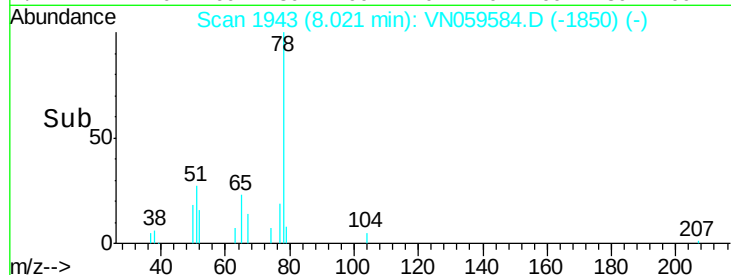
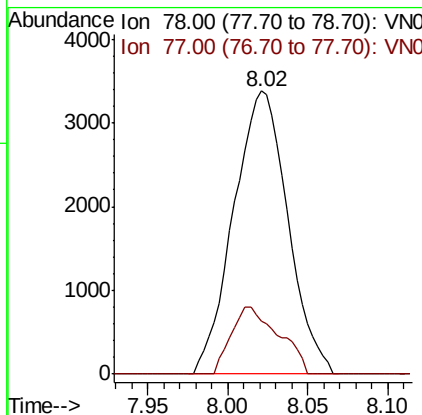
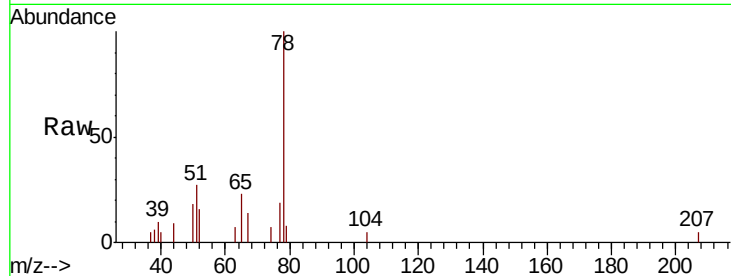
77 18.8 18.9 28.3#

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.856 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion: 41 Resp: 1073

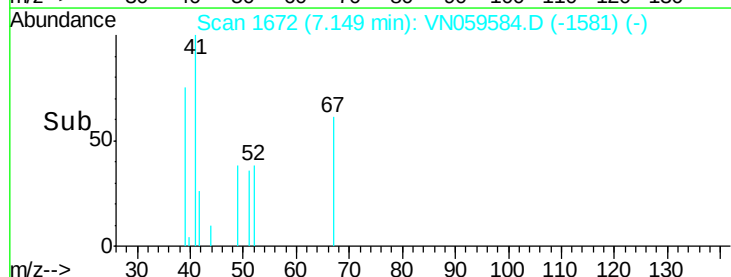
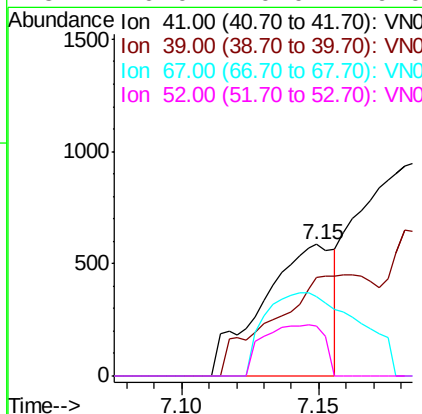
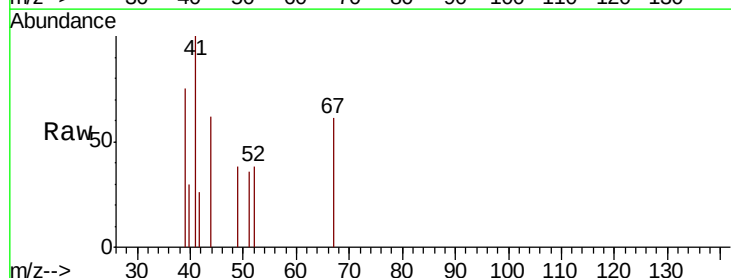
Ion Ratio Lower Upper

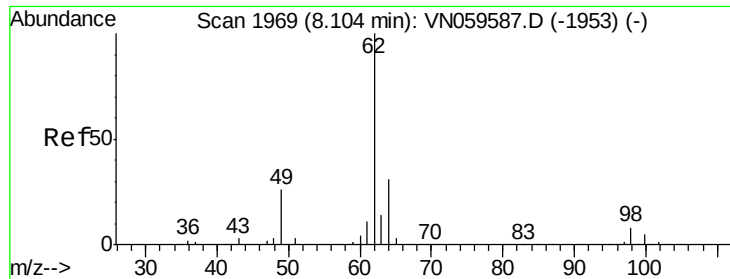
41 100

39 21.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





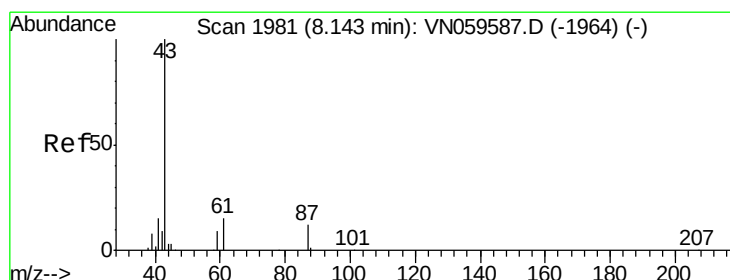
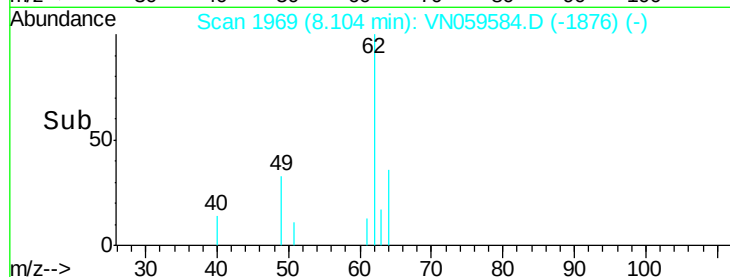
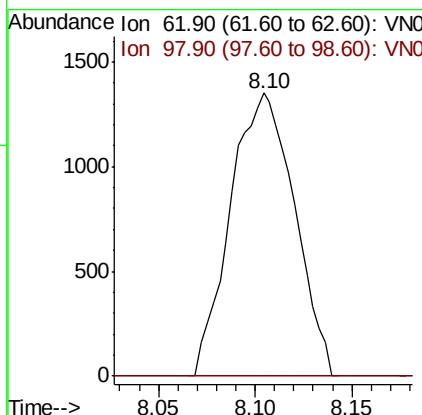
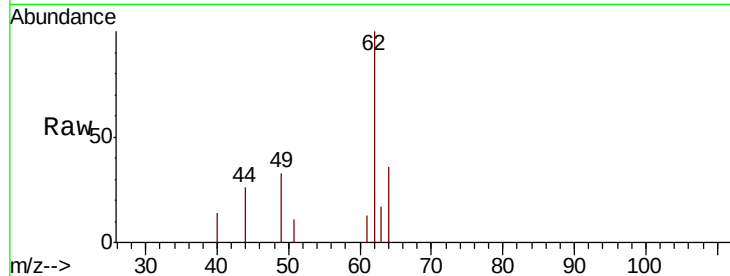
#42
 1,2-Dichloroethane
 Concen: 1.130 ug/l
 RT: 8.10 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8

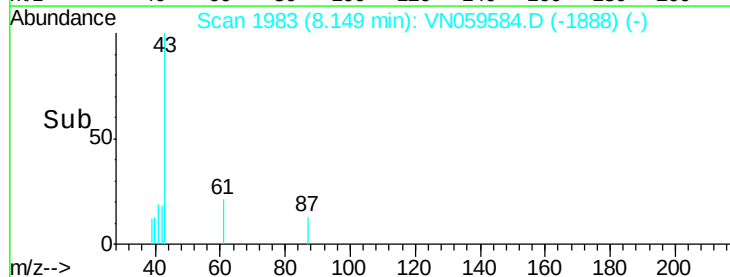
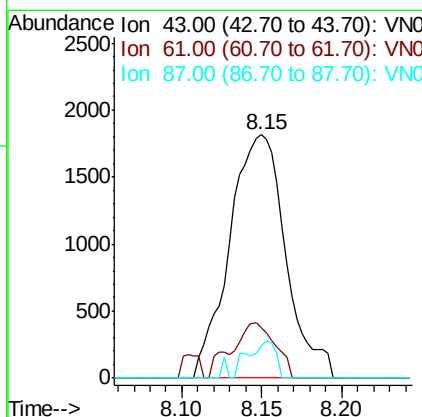
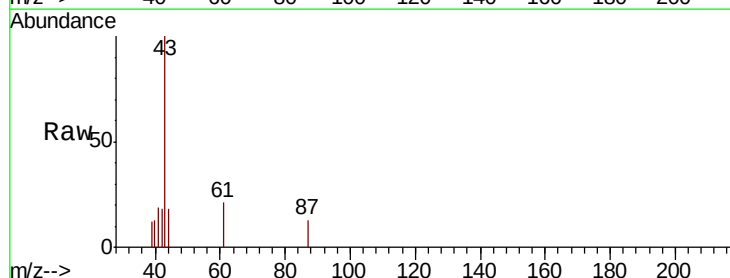
Manual Integrations
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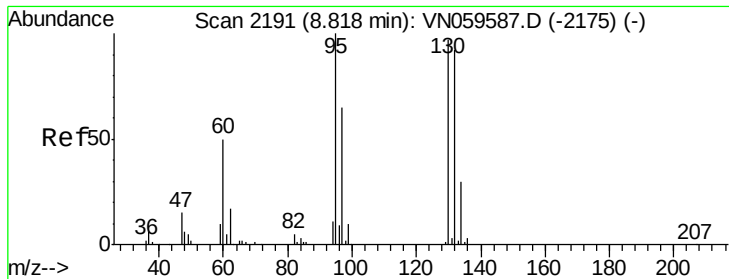
apatel
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#43
 Isopropyl Acetate
 Concen: 0.980 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.5	20.2	30.2#
87	7.5	9.5	14.3#





#44

Trichloroethene

Concen: 1.152 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2146

Ion Ratio Lower Upper

130 100

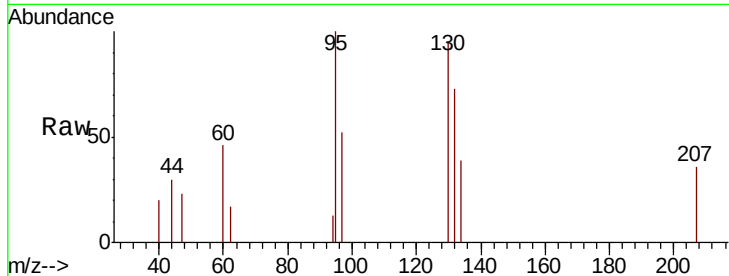
95 105.3 0.0 207.0

Manual Integrations

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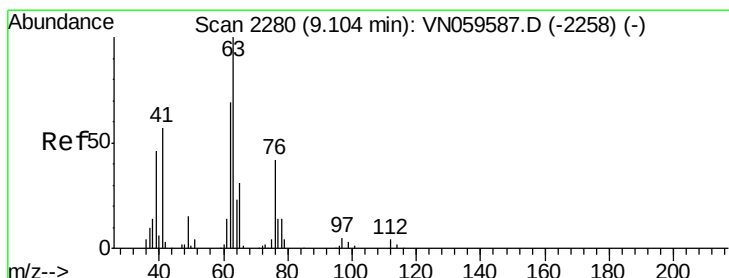
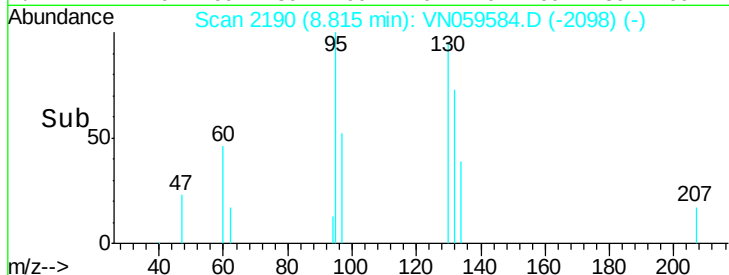
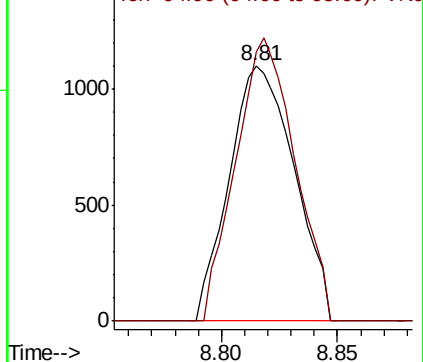
apatel

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 1.096 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059584.D

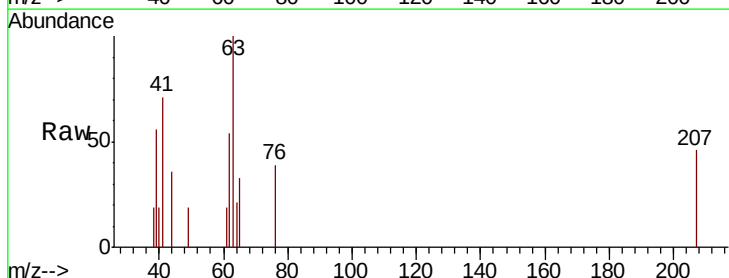
Acq: 13 Dec 2019 15:38

Tgt Ion: 63 Resp: 2133

Ion Ratio Lower Upper

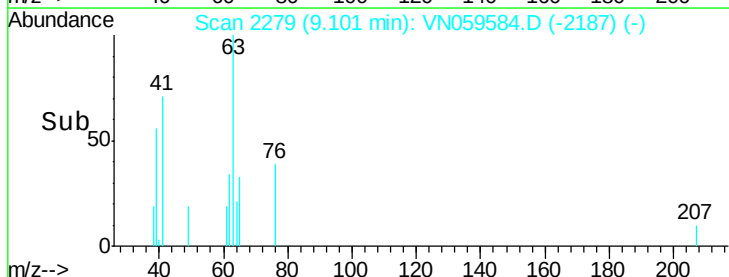
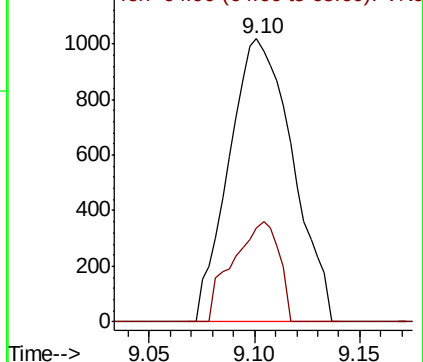
63 100

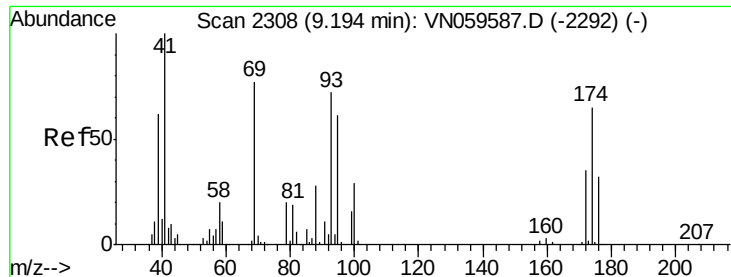
65 33.0 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





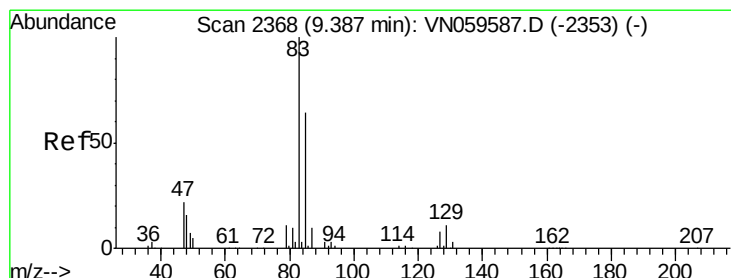
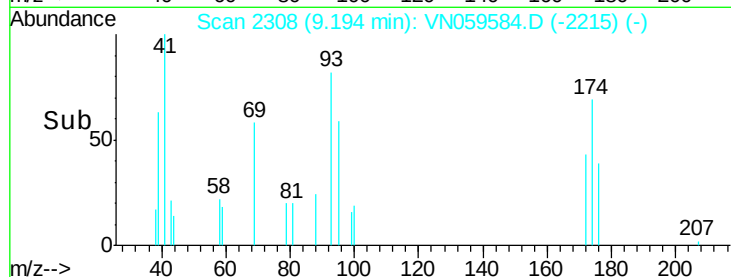
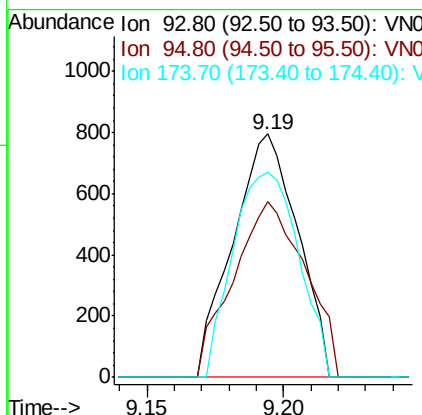
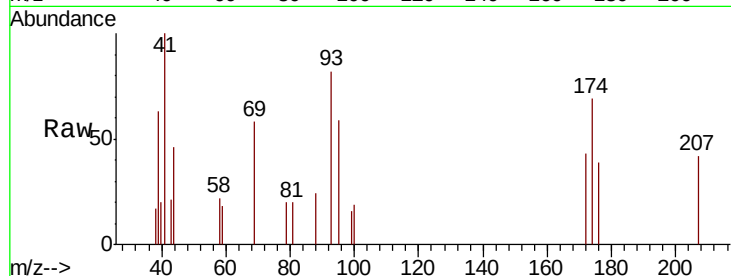
#46
Dibromomethane
Concen: 1.015 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.1	67.0	100.6
174	85.9	73.4	110.2

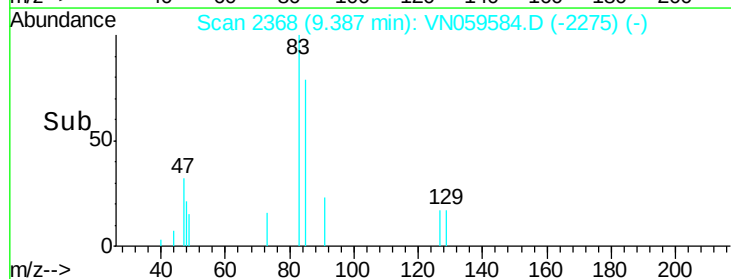
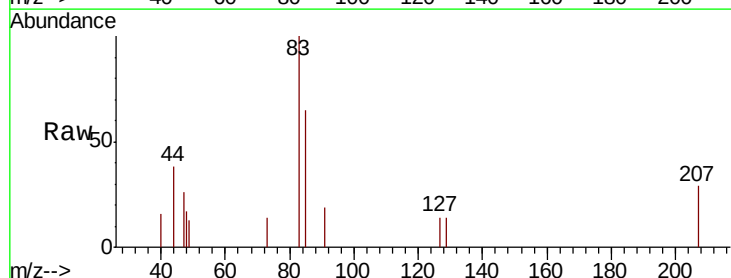
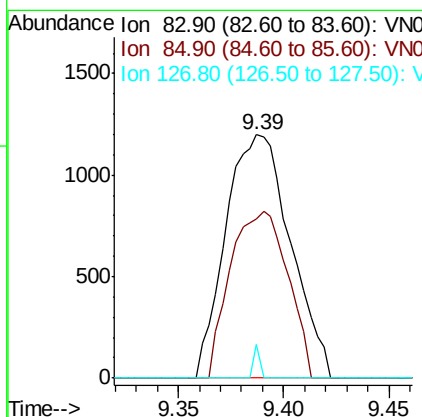
Manual Integrations
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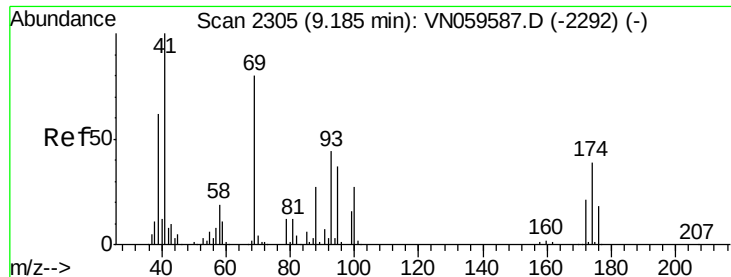
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#47
Bromodichloromethane
Concen: 0.998 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	13.7	6.6	9.8#





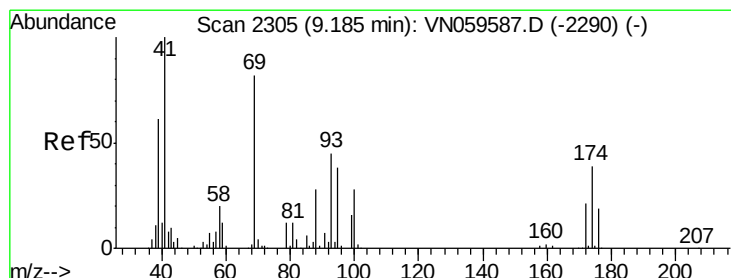
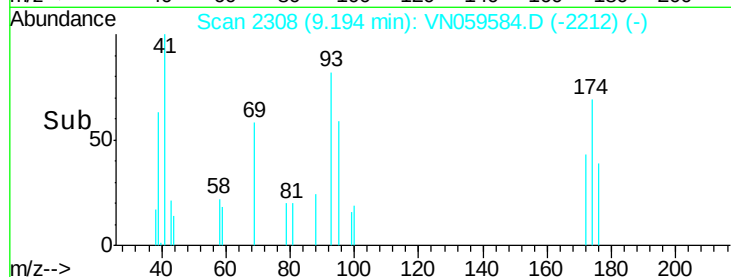
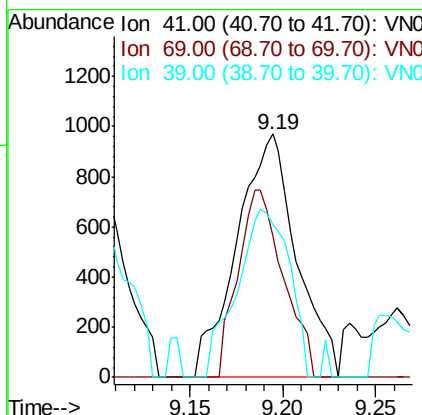
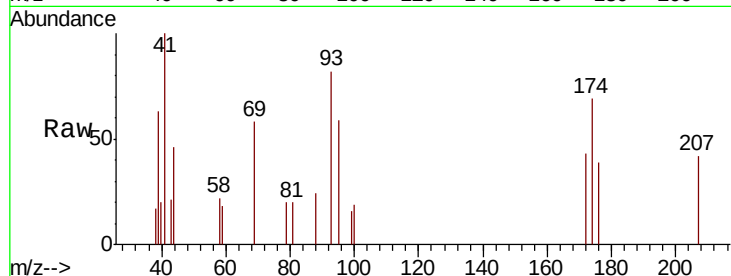
#48
Methvl methacrylate
Concen: 1.112 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 2172
Ion Ratio Lower Upper
41 100
69 58.5 64.4 96.6#
39 60.6 51.3 76.9

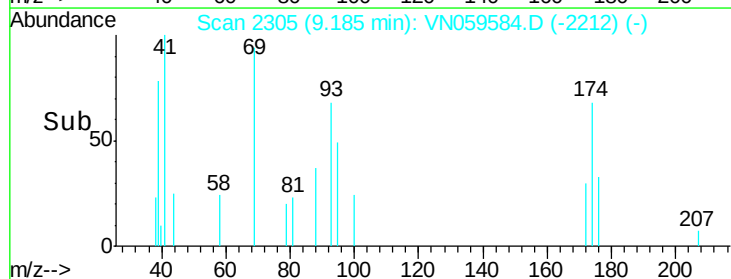
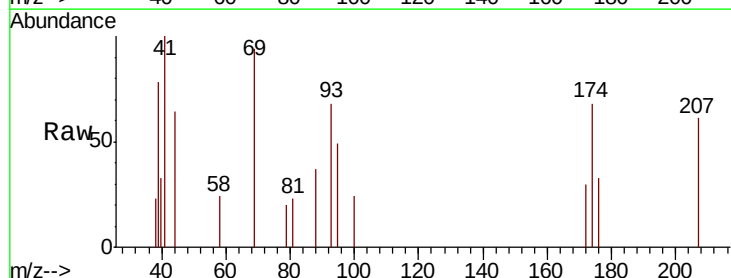
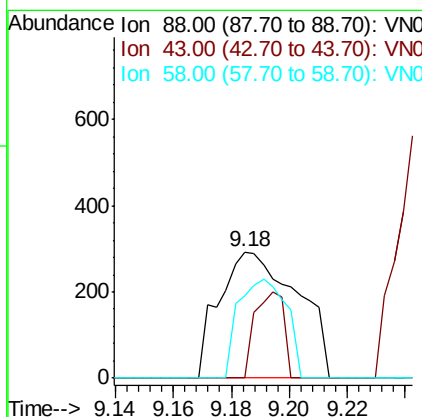
Manual Integrations
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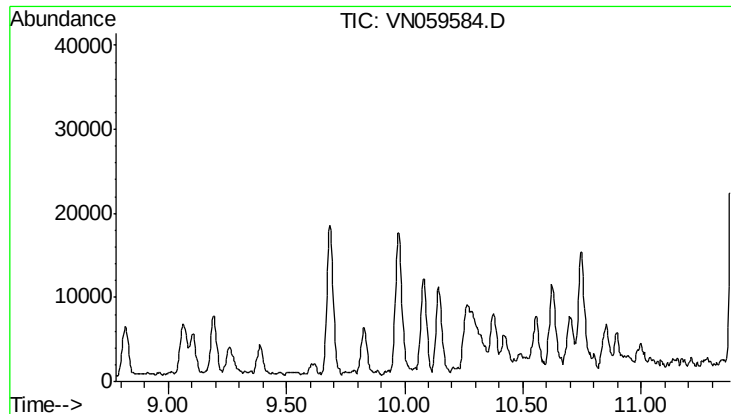
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#49
1,4-Dioxane
Concen: 20.933 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 88 Resp: 547
Ion Ratio Lower Upper
88 100
43 25.2 29.7 44.5#
58 47.9 56.6 85.0#





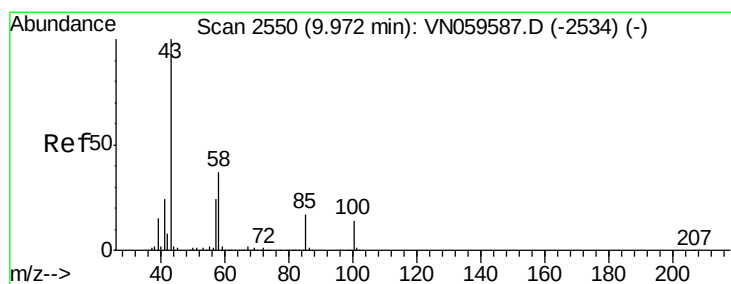
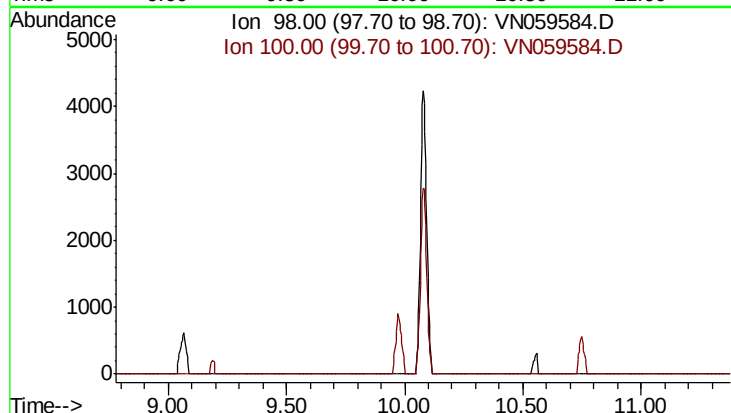
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.0

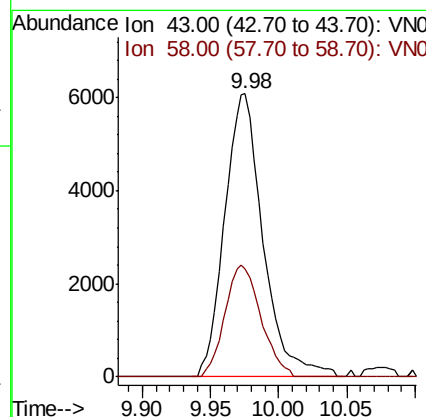
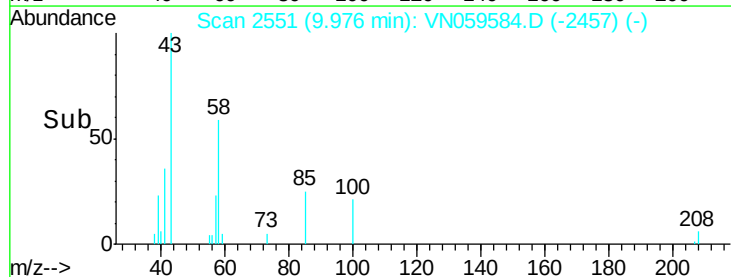
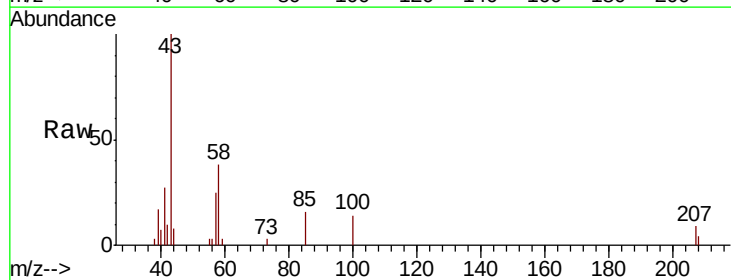
Manual Integrations
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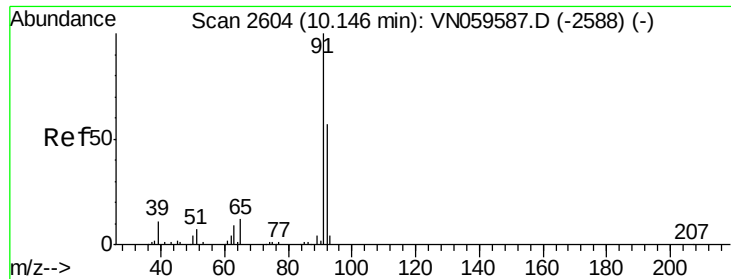
apatel
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#51
4-Methyl-2-Pentanone
Concen: 4.589 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 43 Resp: 11874
Ion Ratio Lower Upper
43 100
58 37.1 29.8 44.8





#52

Toluene

Concen: 0.984 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 4317

Ion Ratio Lower Upper

92 100

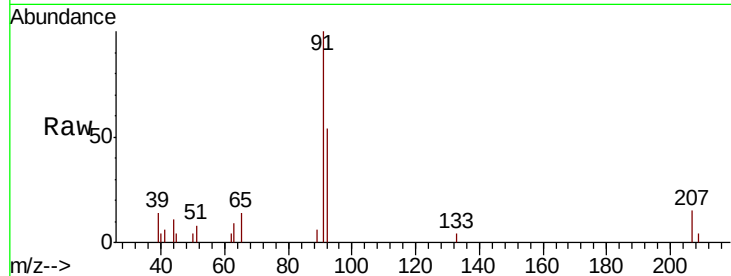
91 178.9 140.4 210.6

Manual Integrations

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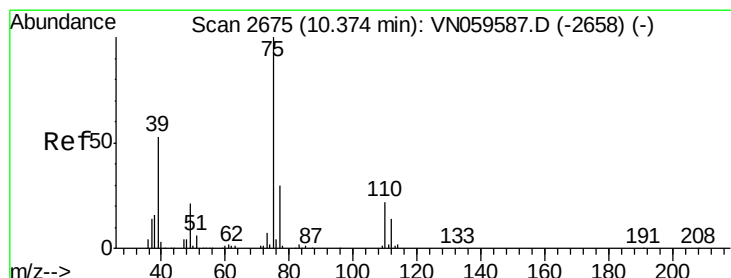
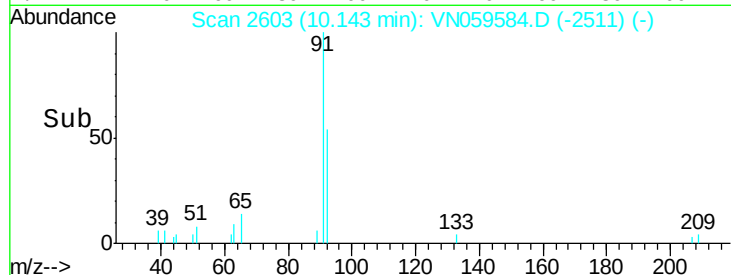
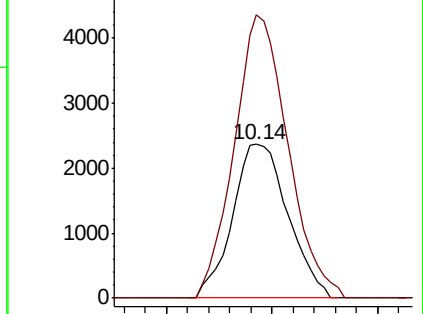
apatel

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Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)



#53

t-1,3-Dichloropropene

Concen: 1.037 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059584.D

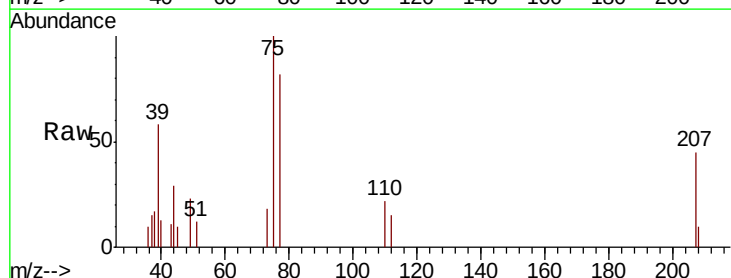
Acq: 13 Dec 2019 15:38

Tgt Ion: 75 Resp: 3095

Ion Ratio Lower Upper

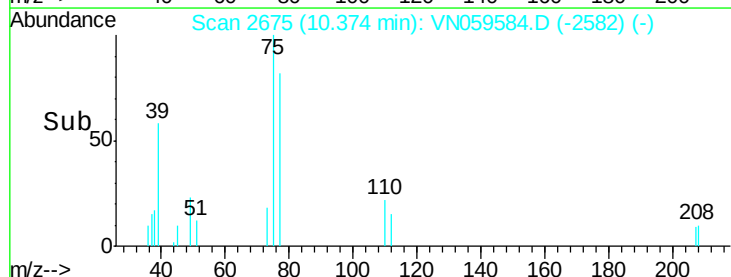
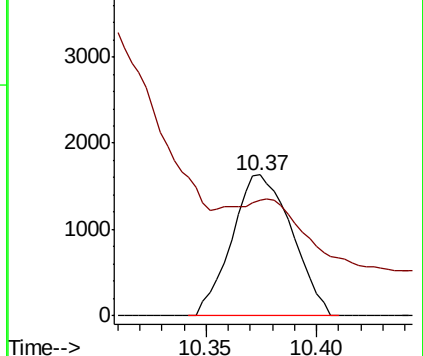
75 100

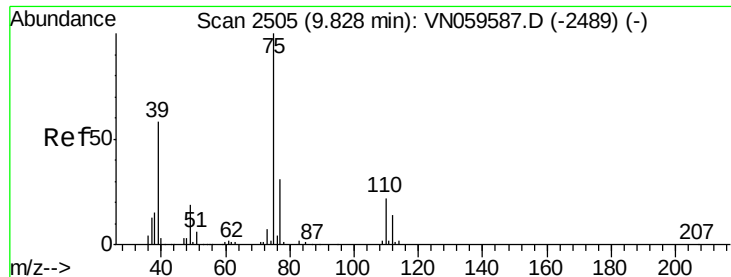
77 40.7 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-2658) (-)

Ion 76.90 (76.60 to 77.60): VN059587.D (-2658) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.980 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

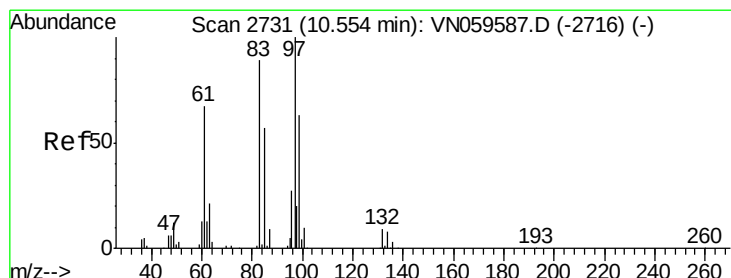
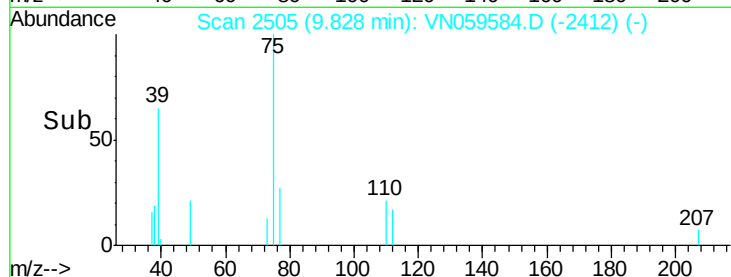
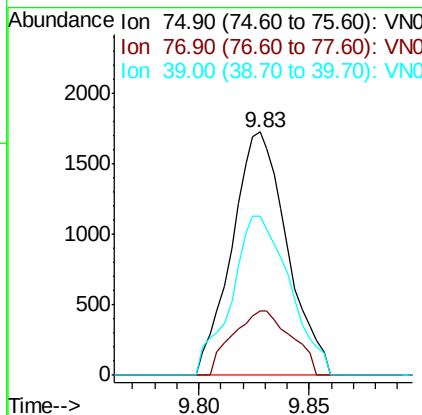
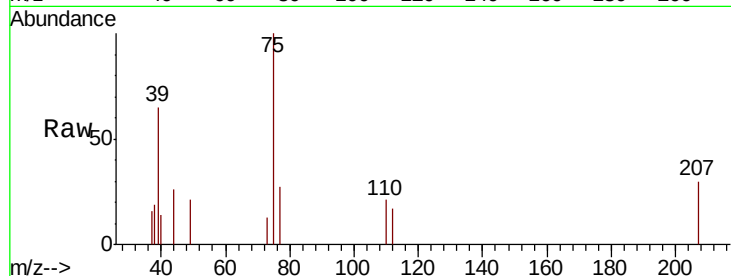
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	2999
Ion	Ratio	Lower	Upper
75	100		
77	26.6	25.1	37.7
39	65.5	46.1	69.1

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#55

1,1,2-Trichloroethane

Concen: 0.954 ug/l

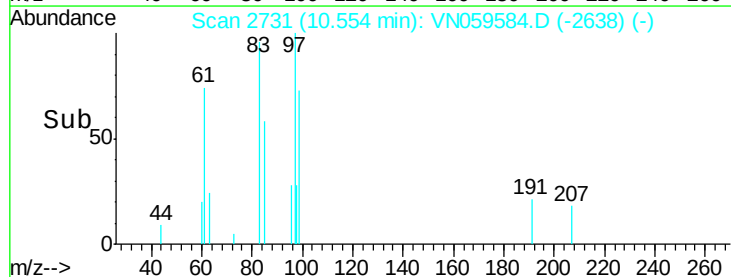
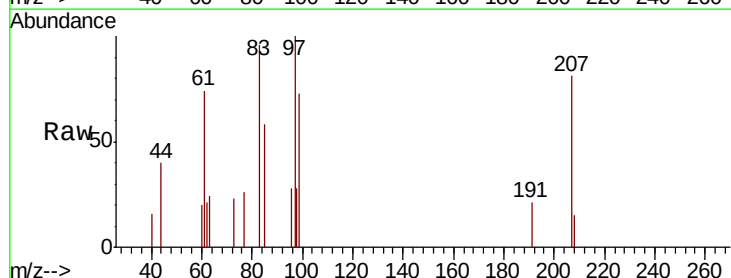
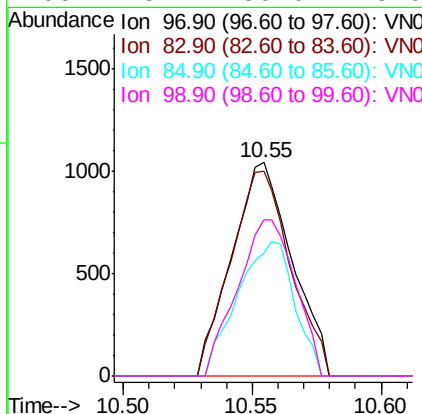
RT: 10.55 min Scan# 2731

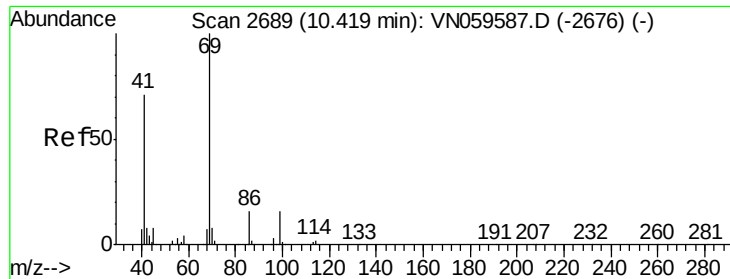
Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	97	Resp:	1693
Ion	Ratio	Lower	Upper
97	100		
83	96.2	71.3	106.9
85	57.5	45.8	68.8
99	73.4	50.0	75.0





#56

Ethyl methacrylate

Concen: 0.680 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

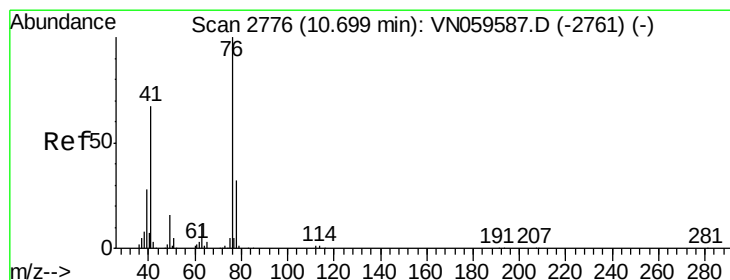
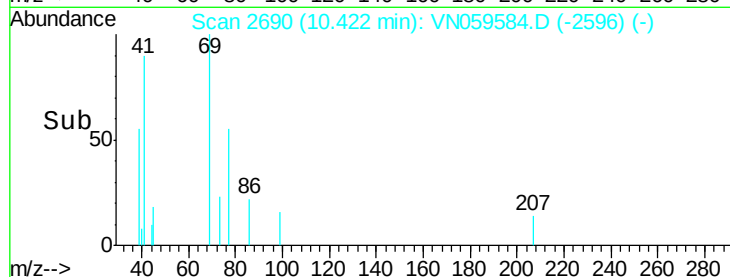
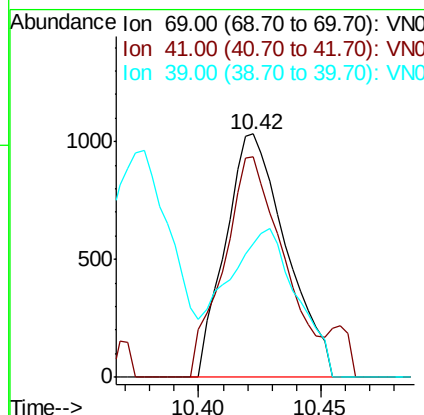
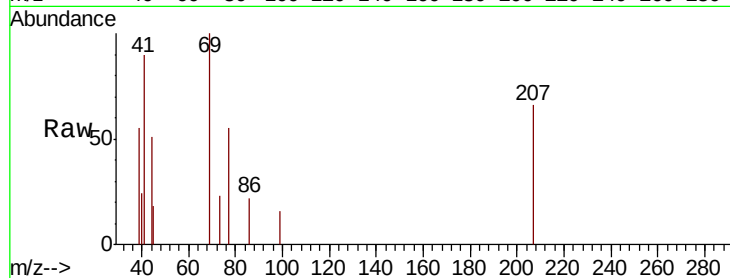
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	1784
Ion	Ratio	Lower	Upper
69	100		
41	90.6	57.1	85.7#
39	71.3	34.7	52.1#

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#57

1,3-Dichloropropane

Concen: 1.155 ug/l

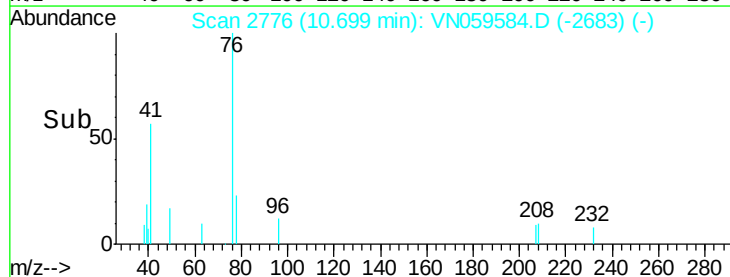
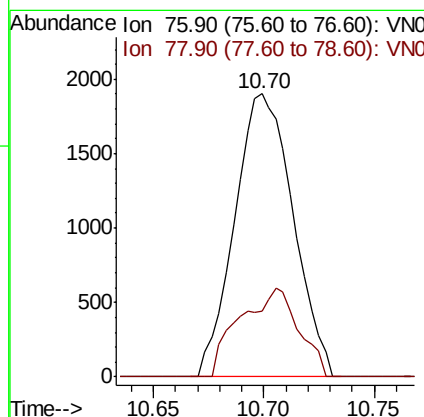
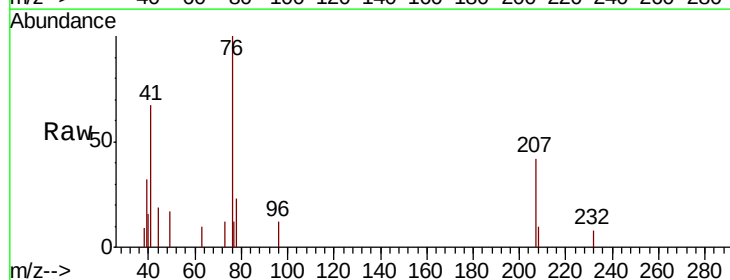
RT: 10.70 min Scan# 2776

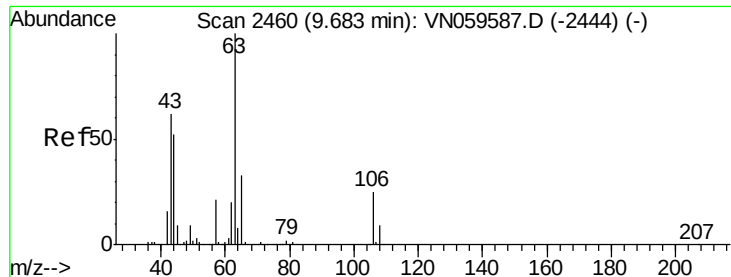
Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	76	Resp:	3501
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 10.306 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 8561

Ion Ratio Lower Upper

63 100

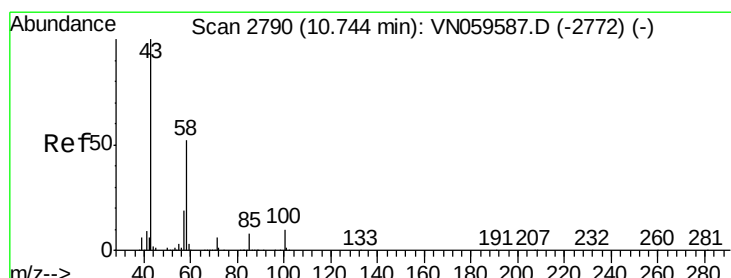
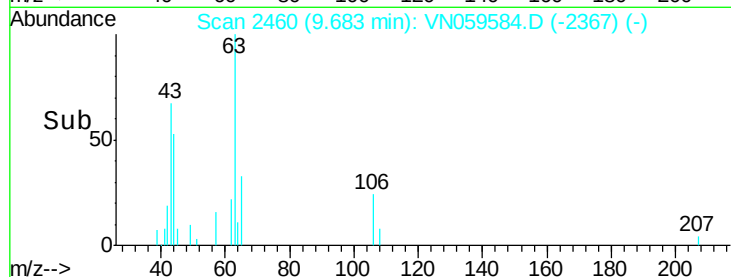
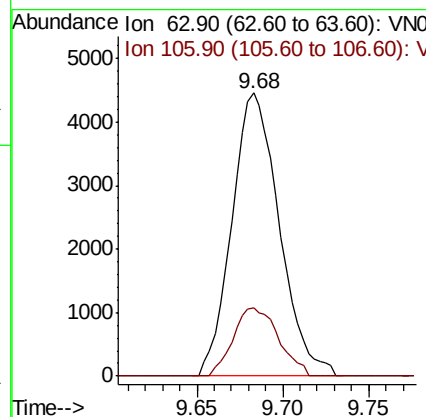
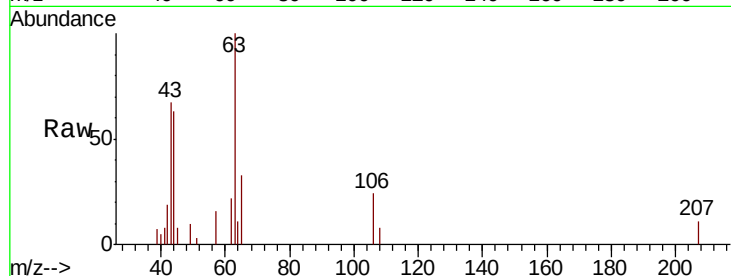
106 23.1 20.2 30.2

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#59

2-Hexanone

Concen: 4.784 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059584.D

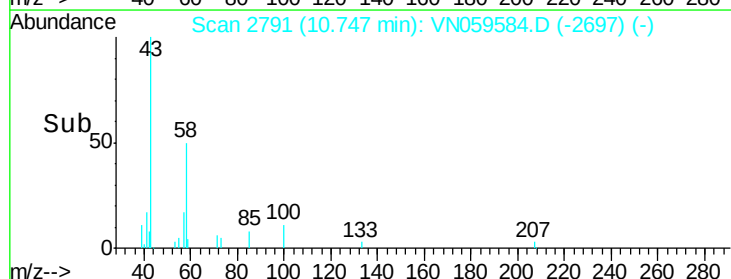
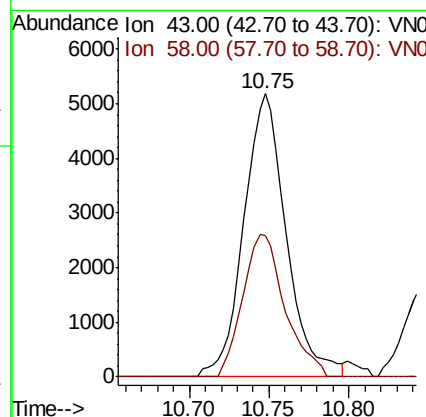
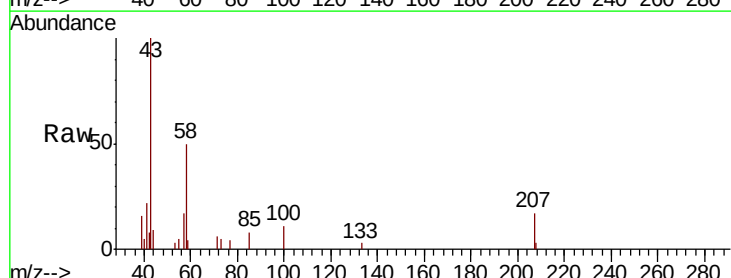
Acq: 13 Dec 2019 15:38

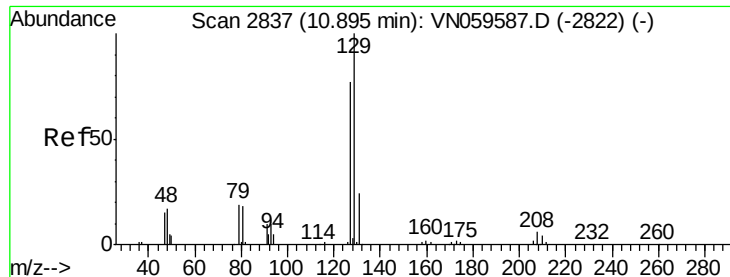
Tgt Ion: 43 Resp: 9381

Ion Ratio Lower Upper

43 100

58 49.8 25.8 77.3





#60

Dibromochloromethane

Concen: 0.890 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 1712

Ion Ratio Lower Upper

129 100

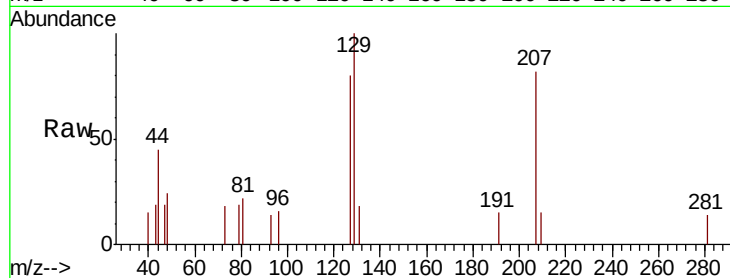
127 85.9 38.5 115.5

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

1200

1000

800

600

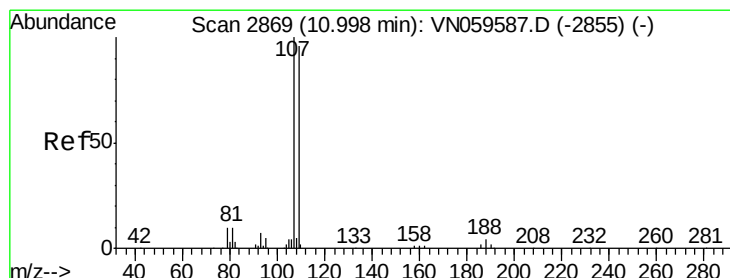
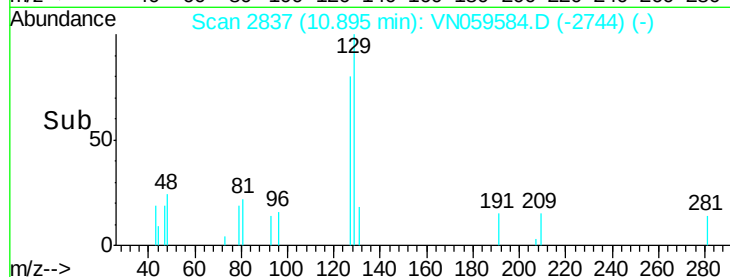
400

200

0

Time-->

10.85 10.90



#61

1,2-Dibromoethane

Concen: 1.019 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059584.D

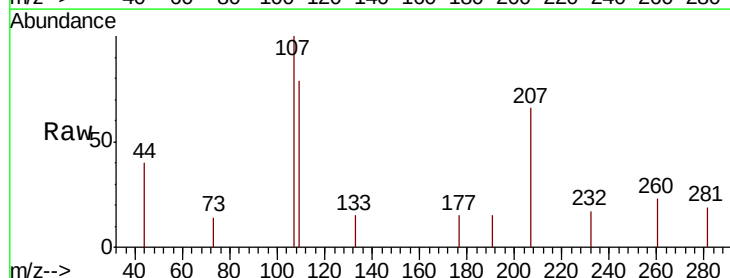
Acq: 13 Dec 2019 15:38

Tgt Ion:107 Resp: 1880

Ion Ratio Lower Upper

107 100

109 83.2 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

1200

1000

800

600

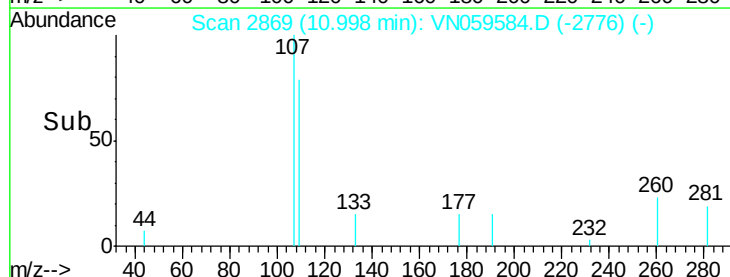
400

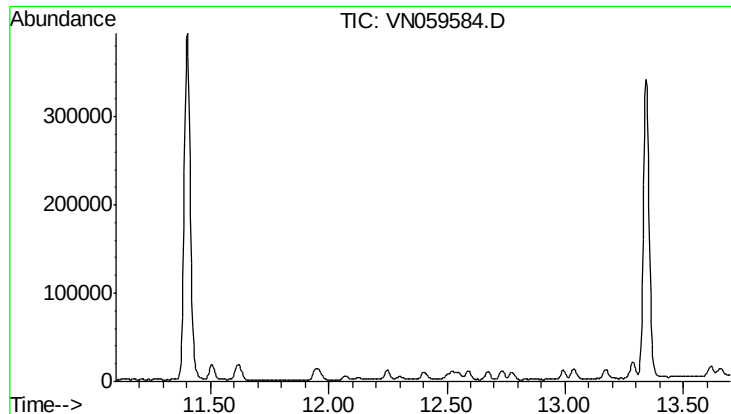
200

0

Time-->

10.95 11.00





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tot Ion: 95

Sig Exp Ratio

95 100

174 75.7

176 73.0

Instrument :

MSVOA_N

ClientSampleId :

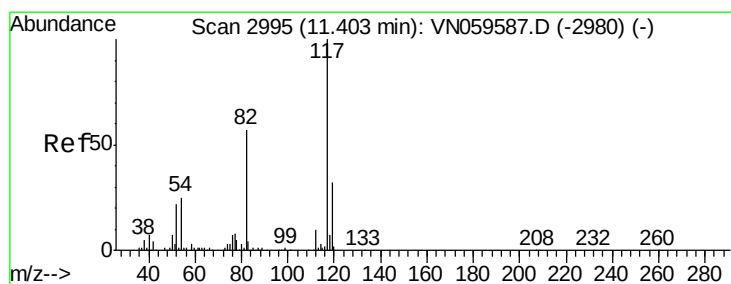
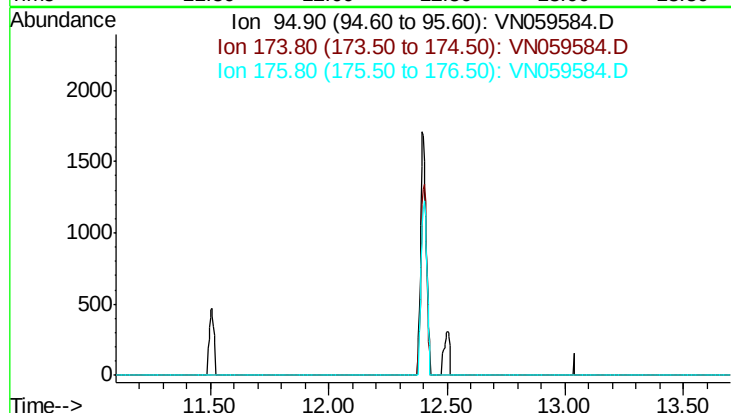
VSTDIC001

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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: VN059584.D

Acq: 13 Dec 2019 15:38

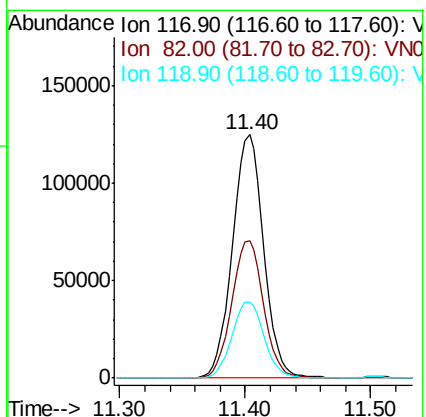
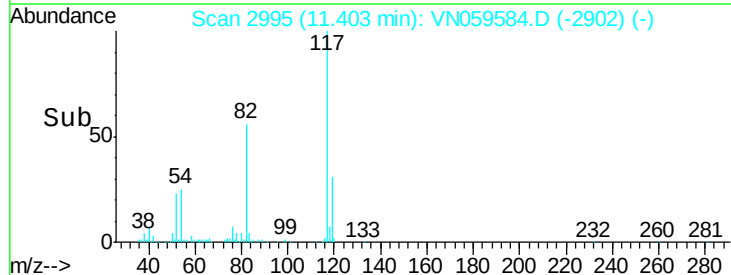
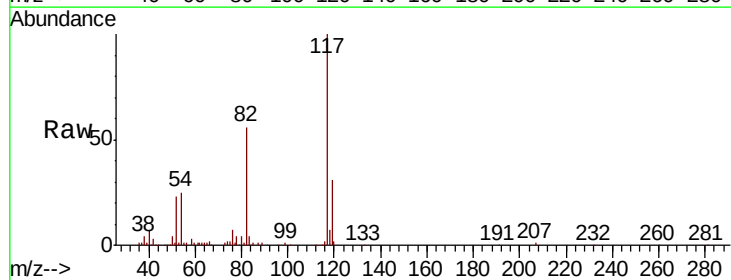
Tgt Ion:117 Resp: 215927

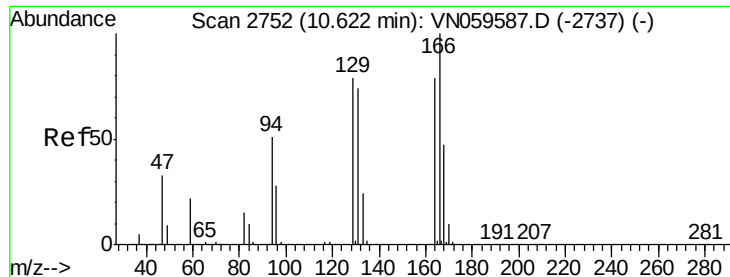
Ion Ratio Lower Upper

117 100

82 56.5 45.9 68.9

119 31.4 25.5 38.3





#64

Tetrachloroethene

Concen: 1.261 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

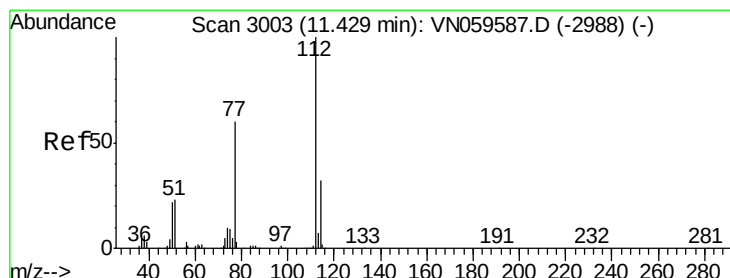
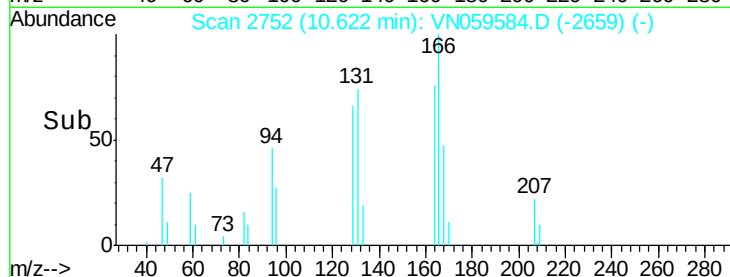
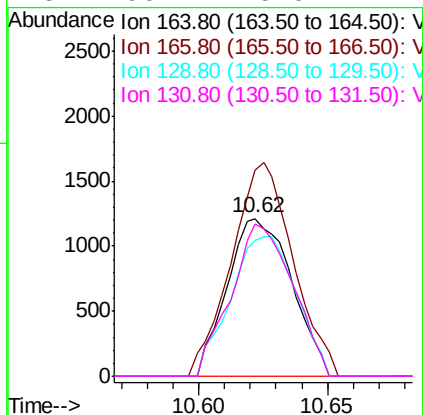
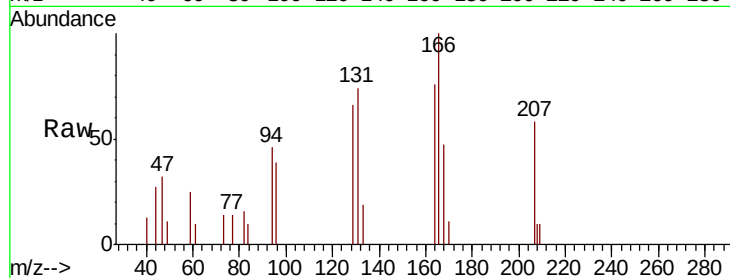
ClientSampleId :

VSTDIC001

Tot Ion:	164	Resp:	2113
Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.4	152.0
129	86.3	80.2	120.4
131	96.4	75.0	112.4

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#65

Chlorobenzene

Concen: 1.134 ug/l

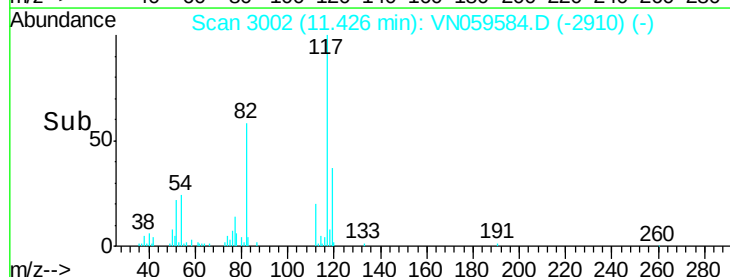
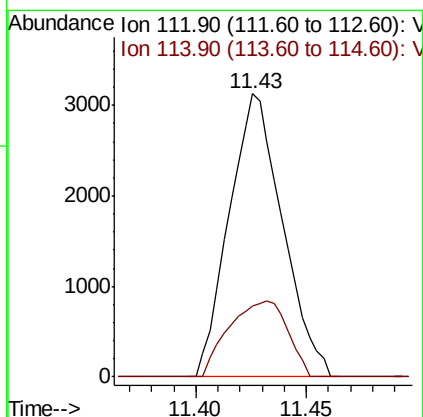
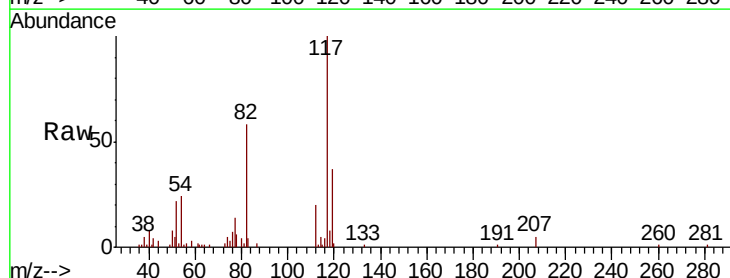
RT: 11.43 min Scan# 3002

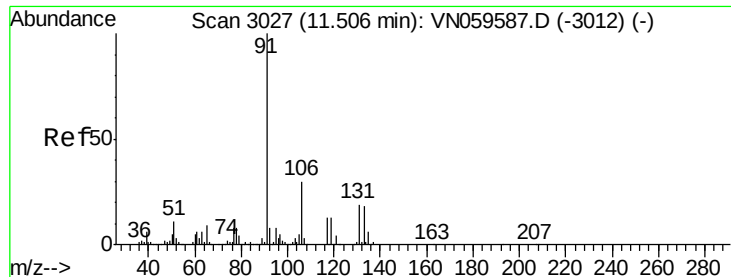
Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	112	Resp:	5230
Ion	Ratio	Lower	Upper
112	100		
114	25.0	25.8	38.8#





#66

1,1,1,2-Tetrachloroethane

Concen: 0.864 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

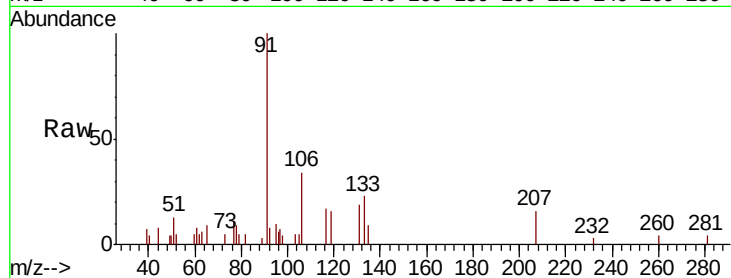
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	136.4	47.4	142.2
119	0.0	33.1	99.3#

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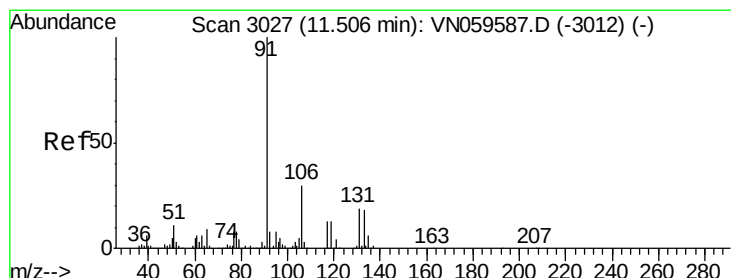
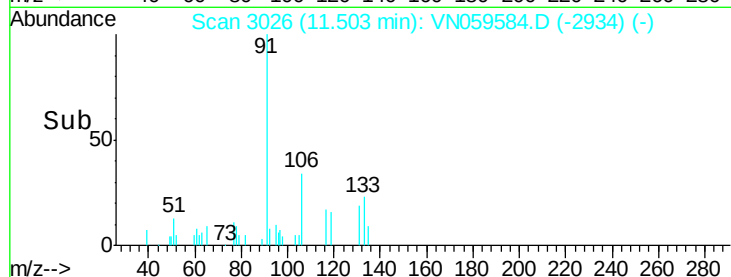
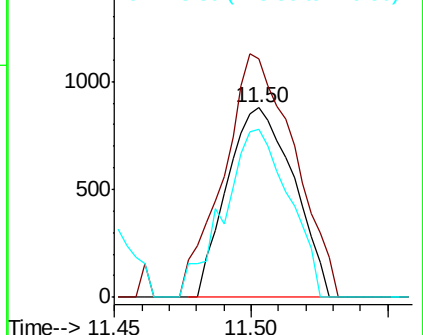
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.015 ug/l

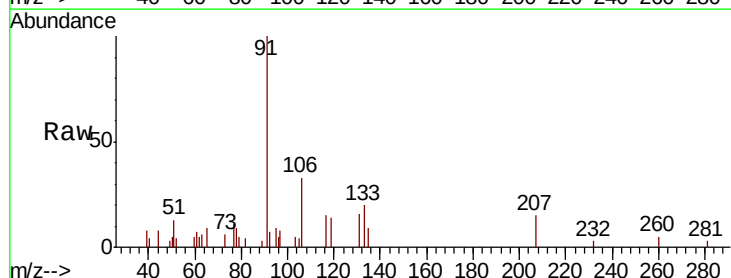
RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059584.D

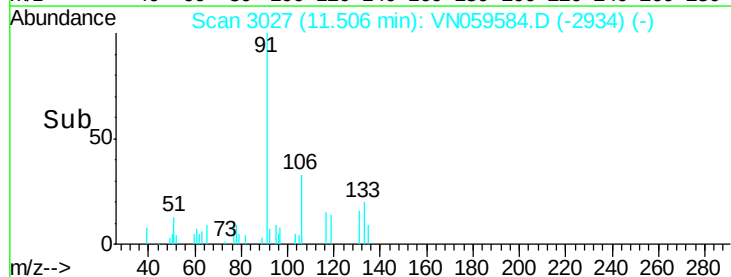
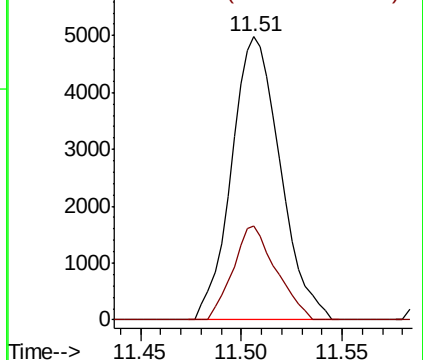
Acq: 13 Dec 2019 15:38

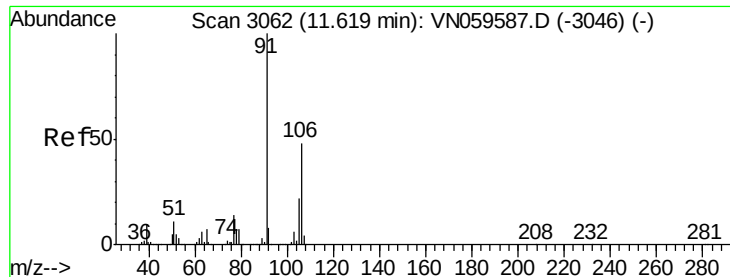
Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.3	24.1	36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





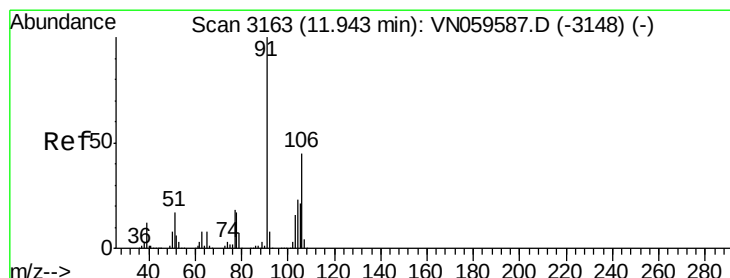
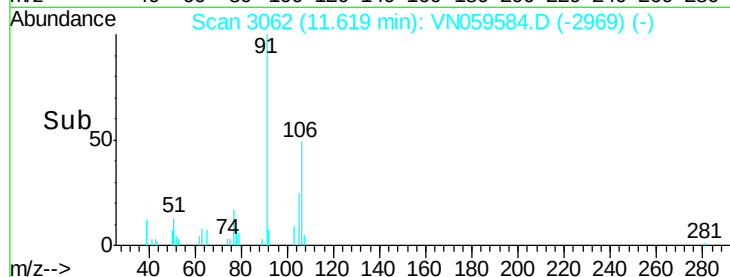
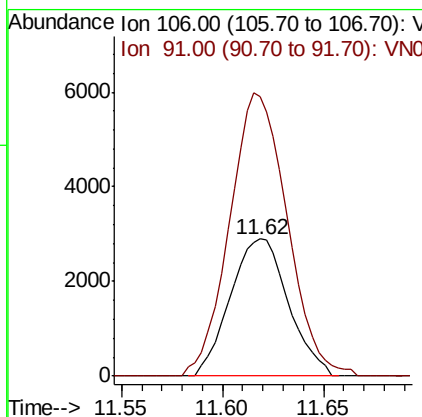
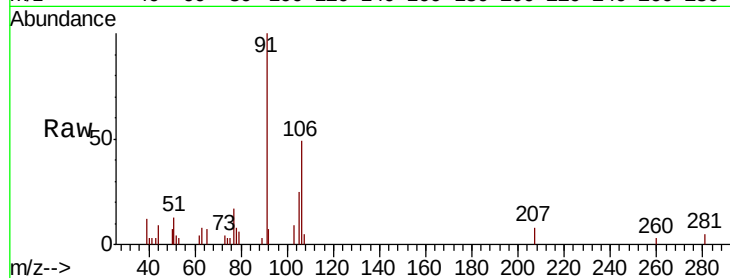
#68
m/p-Xylenes
Concen: 1.897 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 5822
Ion Ratio Lower Upper
106 100
91 204.7 167.9 251.9

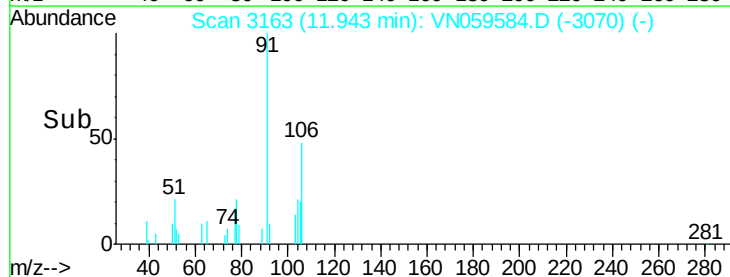
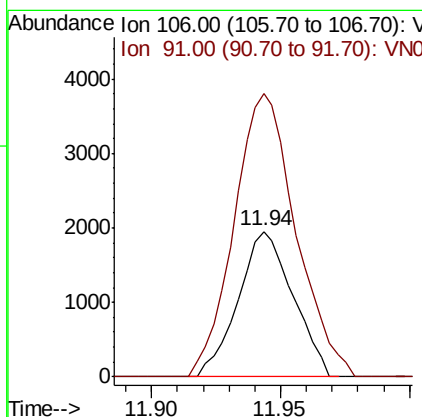
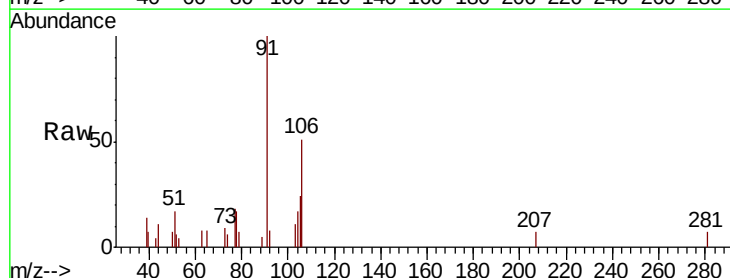
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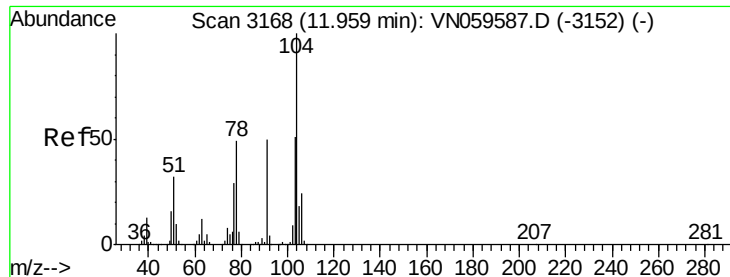
apatel
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#69
o-Xylene
Concen: 1.005 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion:106 Resp: 2879
Ion Ratio Lower Upper
106 100
91 220.1 110.3 330.9





#70

Stvrene

Concen: 0.931 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

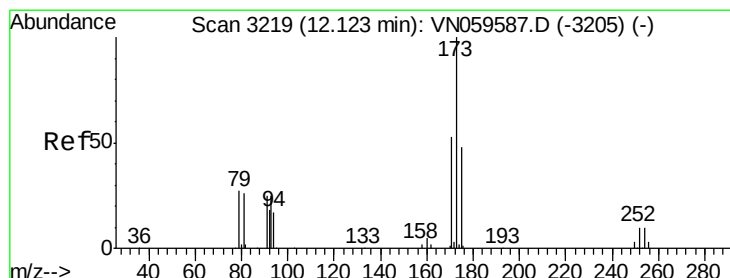
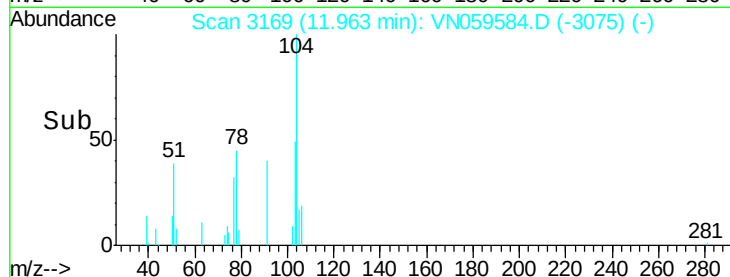
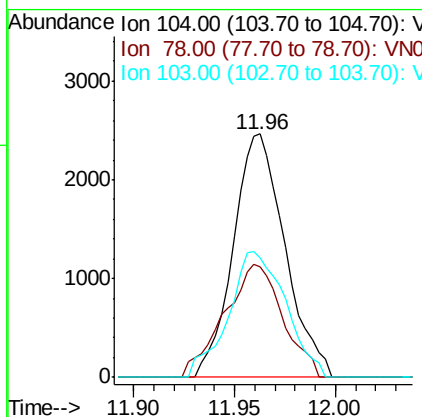
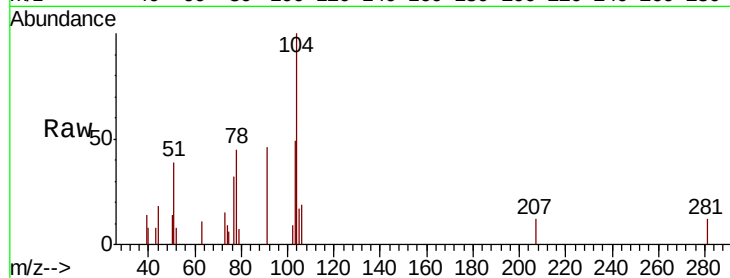
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	4416
Ion Ratio	Lower	Upper	
104	100		
78	52.4	42.4	63.6
103	57.0	43.9	65.9

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#71

Bromoform

Concen: 1.018 ug/l

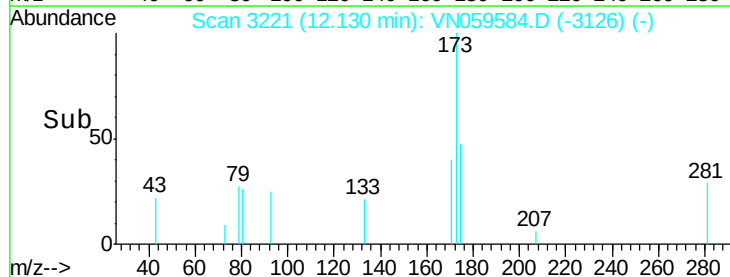
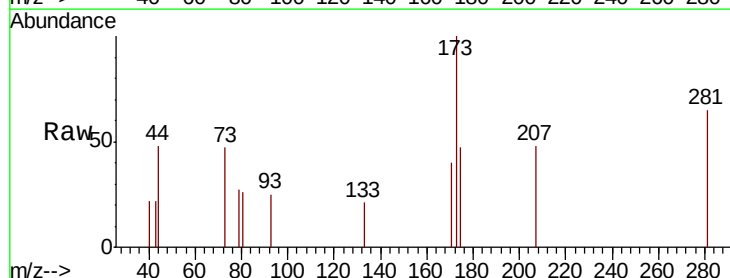
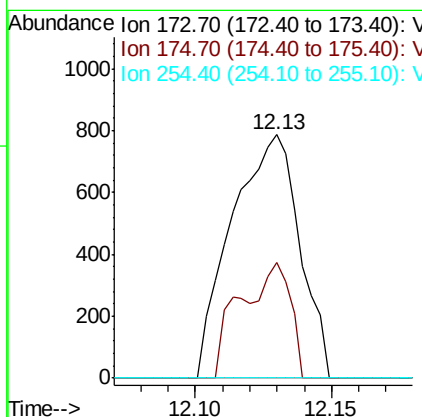
RT: 12.13 min Scan# 3221

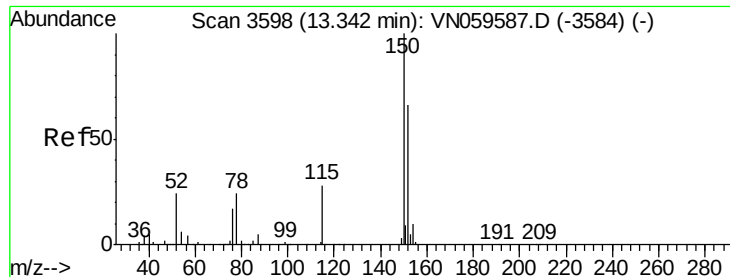
Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	173	Resp:	1359
Ion Ratio	Lower	Upper	
173	100		
175	34.8	23.8	71.4
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:152 Resp: 88077

Ion Ratio Lower Upper

152 100

115 60.7 30.3 90.9

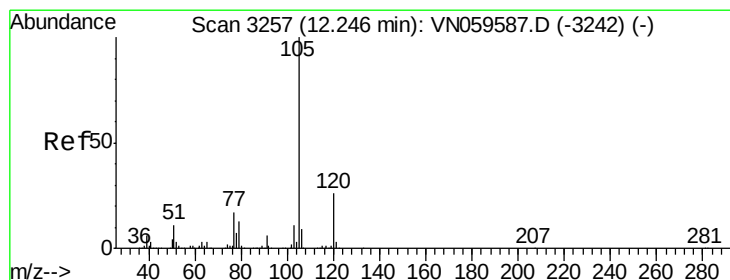
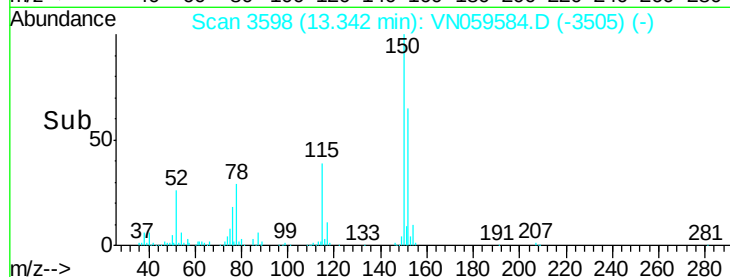
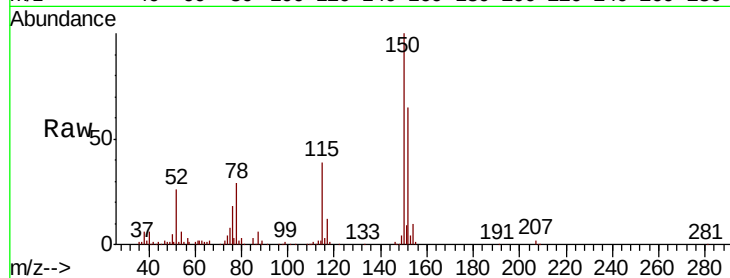
150 156.2 0.0 345.2

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#73

Isopropylbenzene

Concen: 1.059 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059584.D

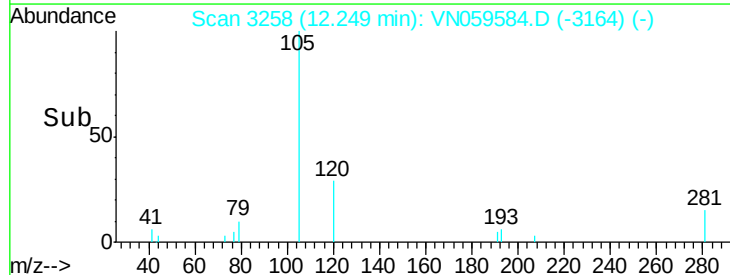
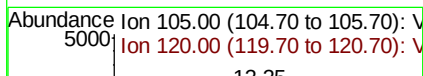
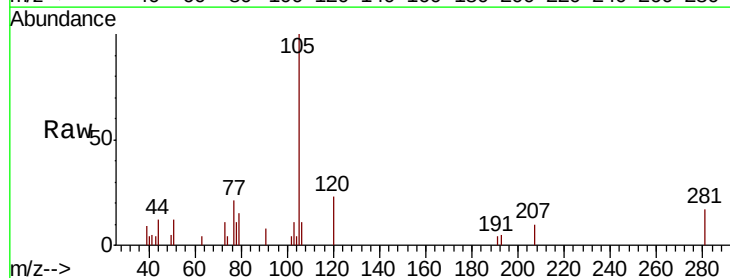
Acq: 13 Dec 2019 15:38

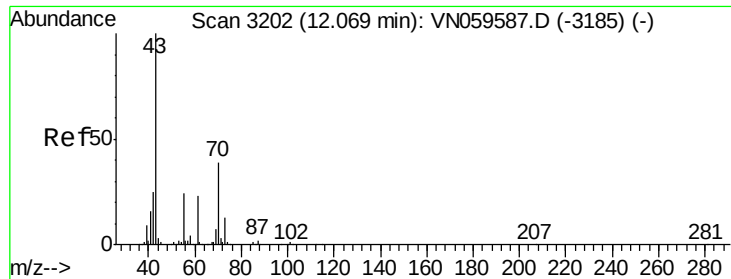
Tgt Ion:105 Resp: 7291

Ion Ratio Lower Upper

105 100

120 22.3 13.2 39.5





#74

N-amvl acetate

Concen: 1.098 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

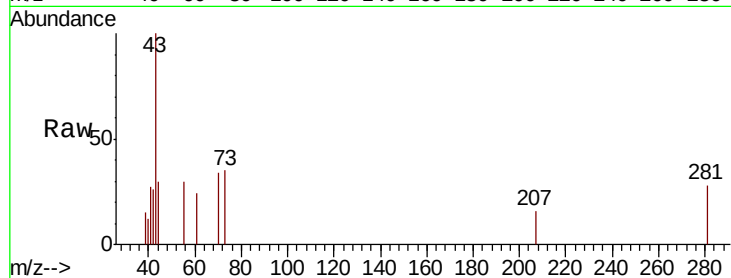
ClientSampleId :

VSTDIC001

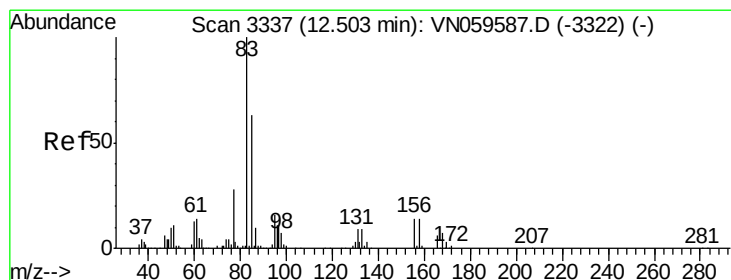
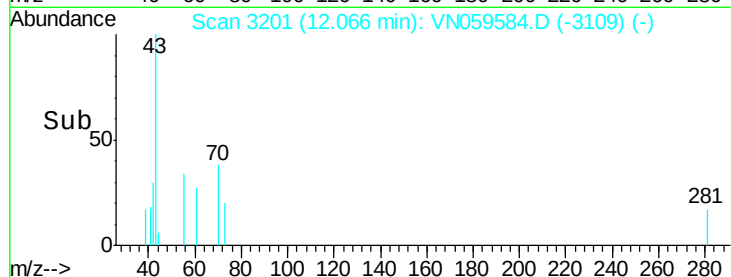
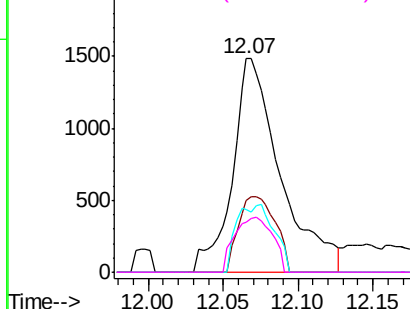
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	27.1	31.3	46.9	#
55	24.8	19.8	29.6	
61	20.2	18.3	27.5	

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Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.059 ug/l

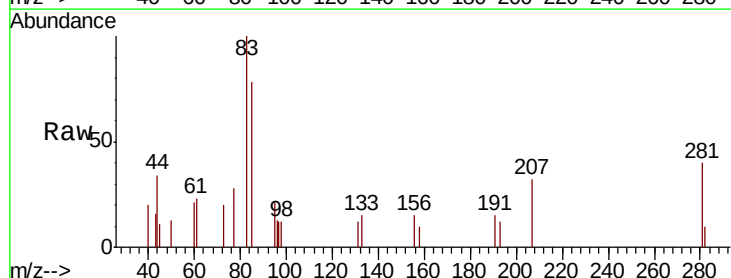
RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

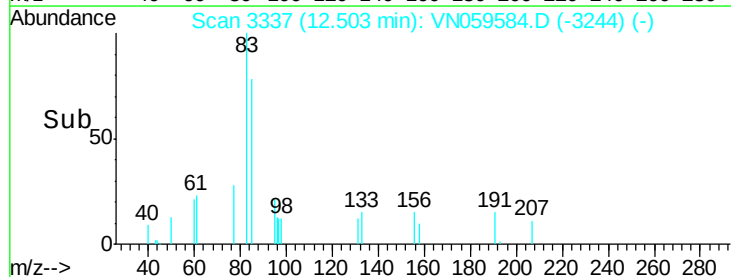
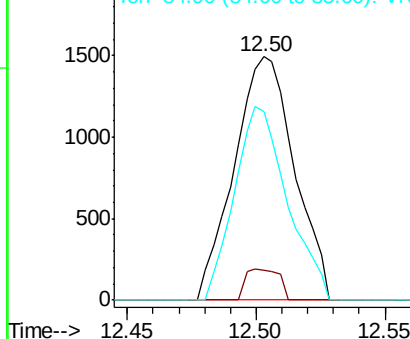
Lab File: VN059584.D

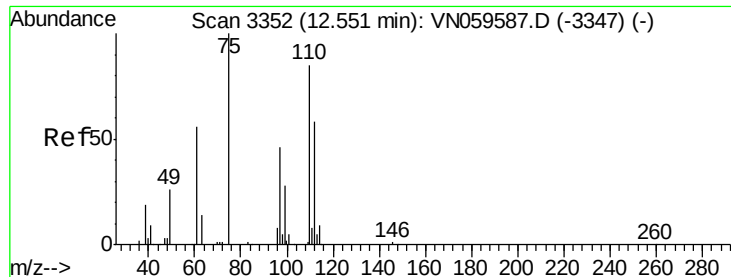
Acq: 13 Dec 2019 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	7.1	5.0	14.9	
85	69.5	31.9	95.5	



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.269 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 2942

Ion Ratio Lower Upper

75 100

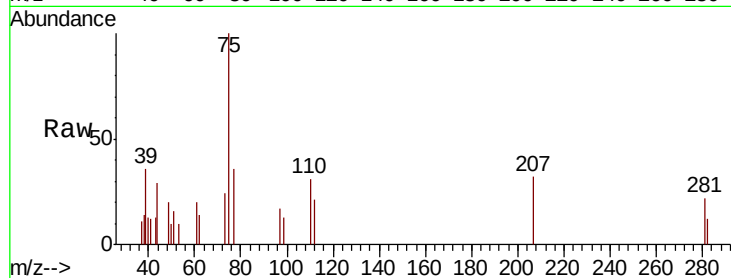
77 0.0 0.0 0.0

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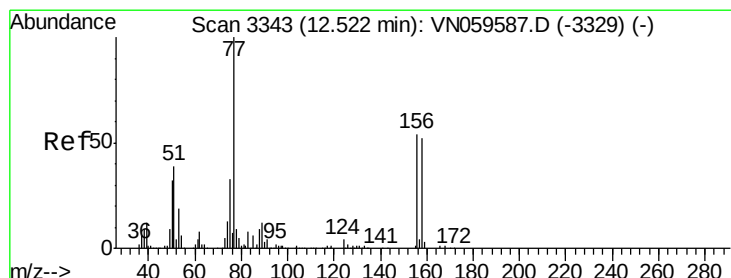
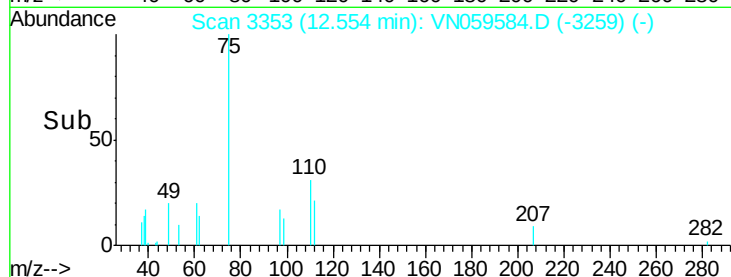
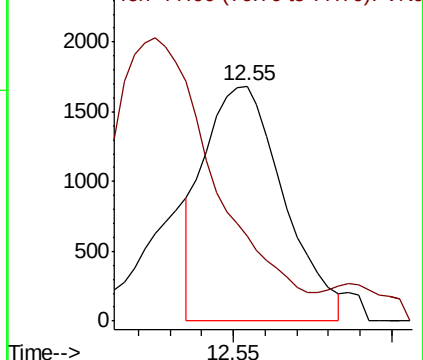
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.145 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

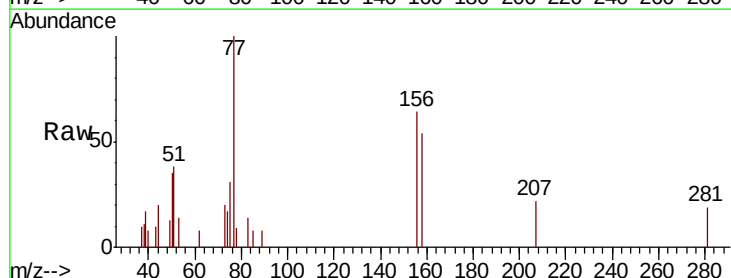
Tgt Ion: 156 Resp: 1933

Ion Ratio Lower Upper

156 100

77 242.8 115.8 347.4

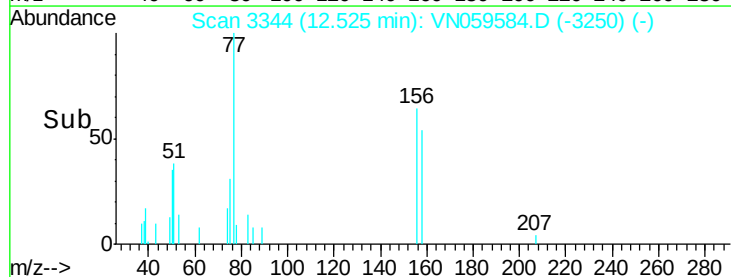
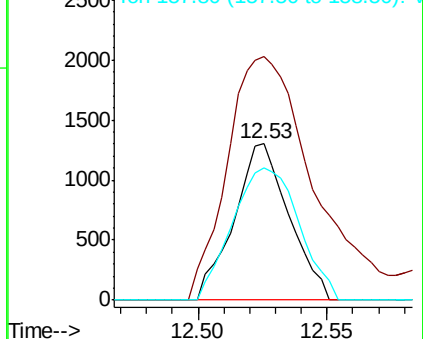
158 102.6 49.2 147.6

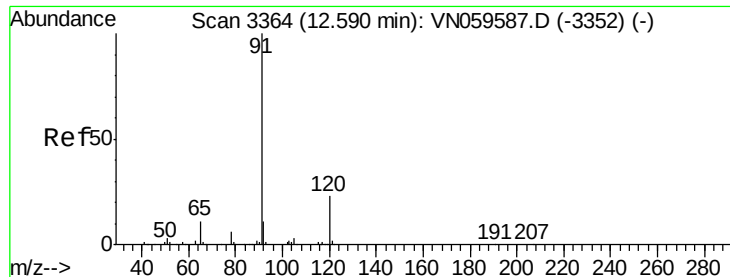


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.009 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 8441

Ion Ratio Lower Upper

91 100

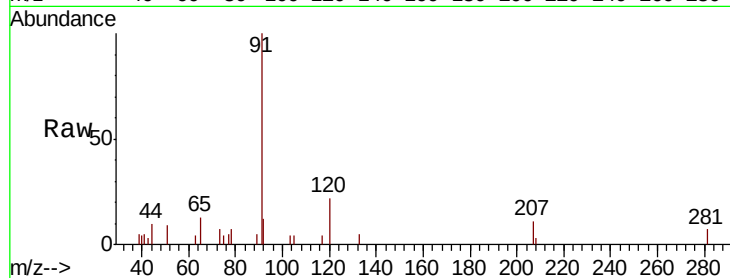
120 21.2 11.1 33.3

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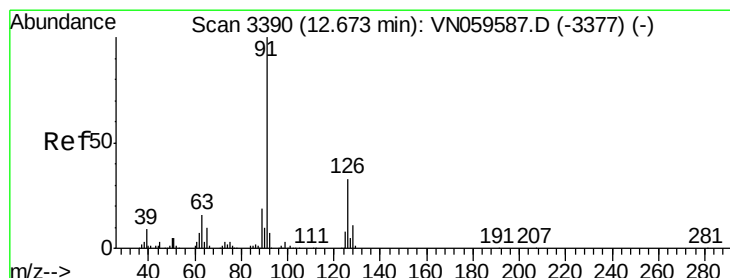
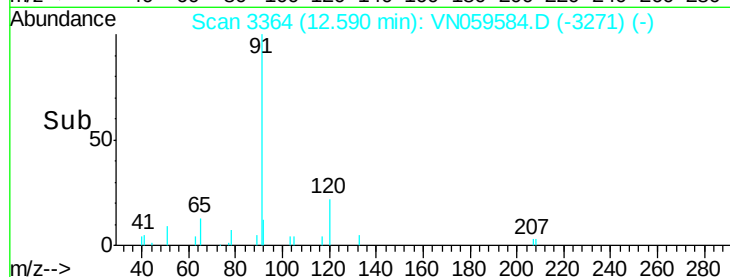
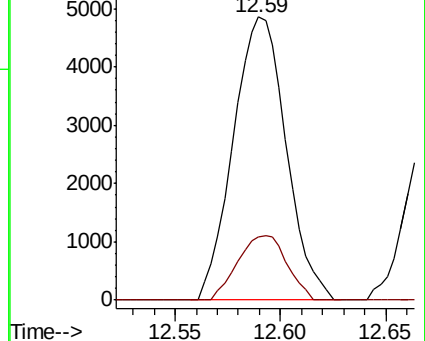
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.100 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059584.D

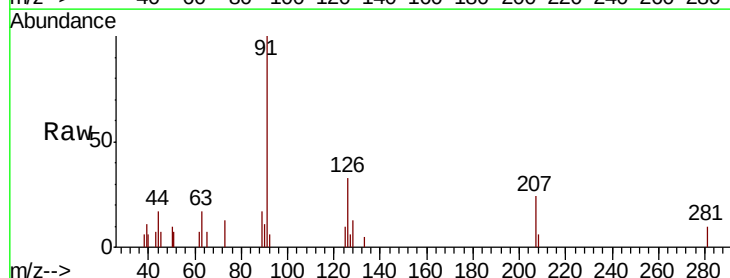
Acq: 13 Dec 2019 15:38

Tgt Ion: 91 Resp: 5493

Ion Ratio Lower Upper

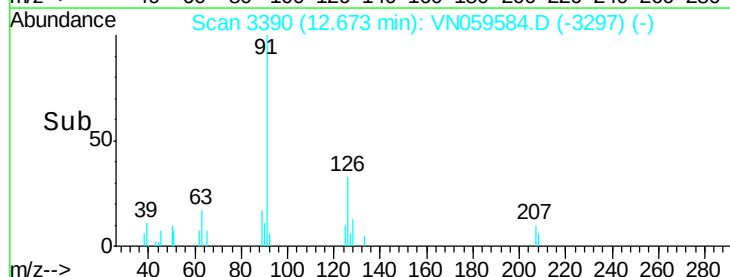
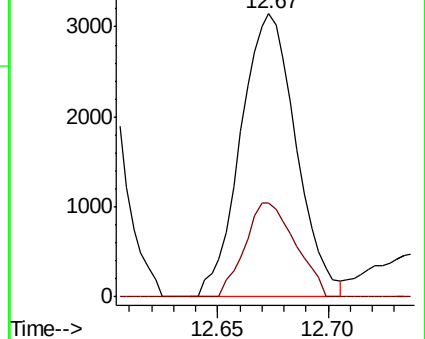
91 100

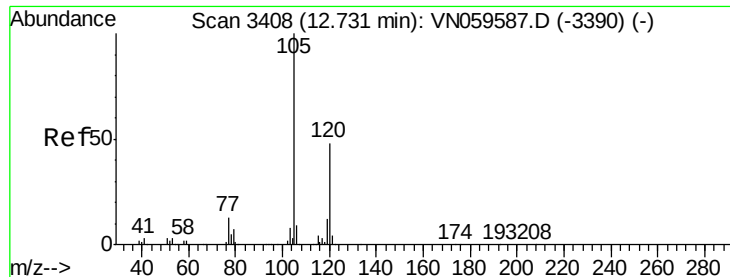
126 30.1 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





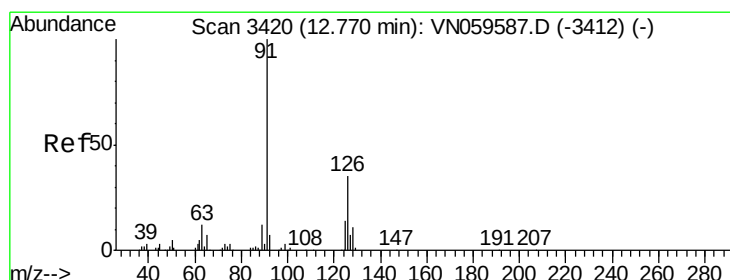
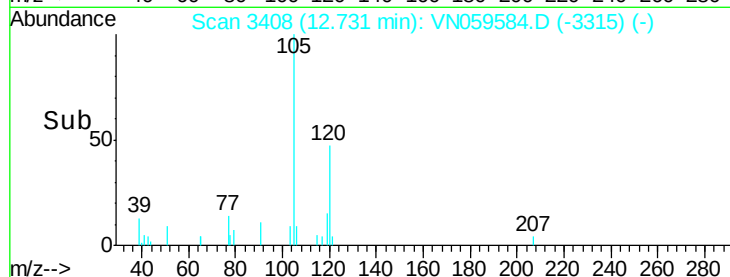
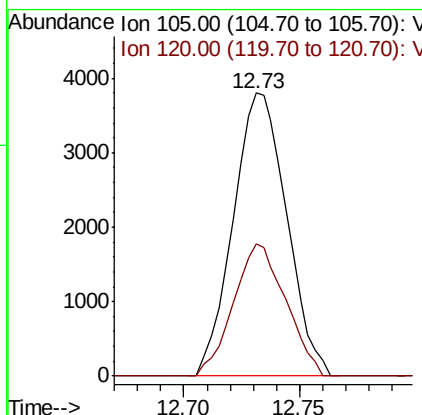
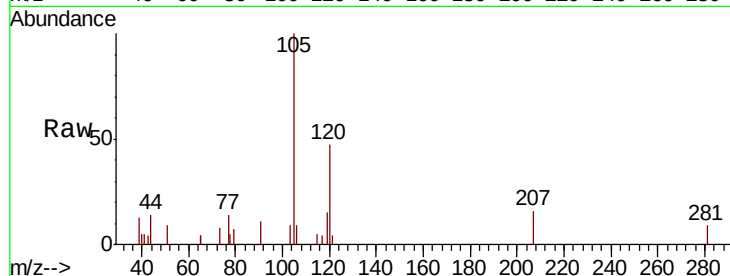
#80
 1,3,5-Trimethylbenzene
 Concen: 1.045 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 6087
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.1 72.4

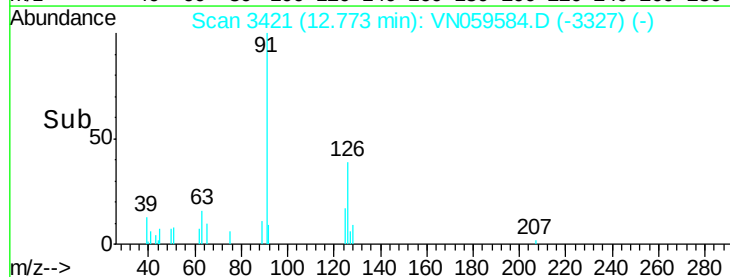
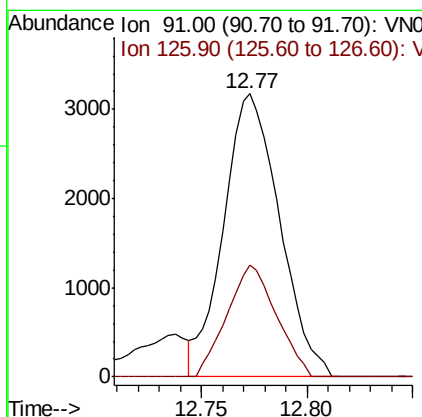
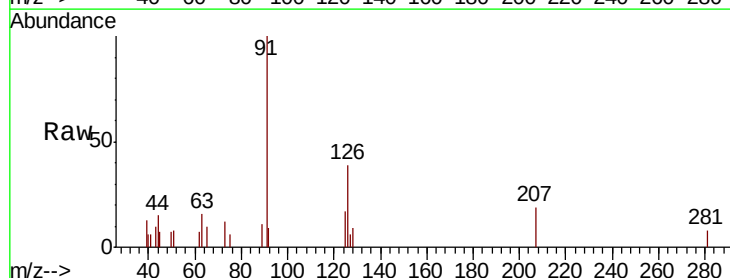
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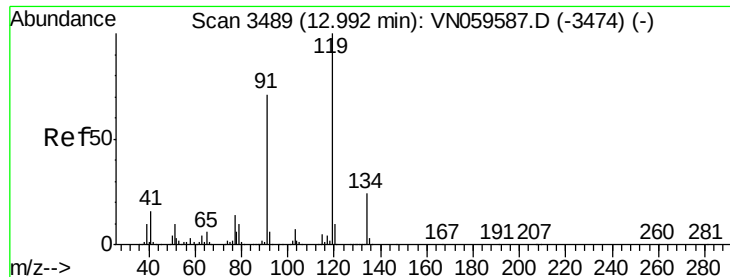
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#82
 4-Chlorotoluene
 Concen: 1.149 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion: 91 Resp: 5846
 Ion Ratio Lower Upper
 91 100
 126 34.7 16.3 48.8





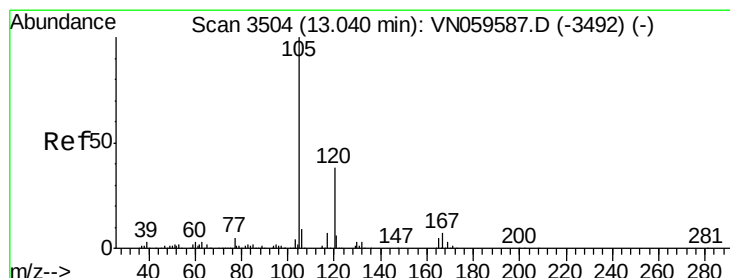
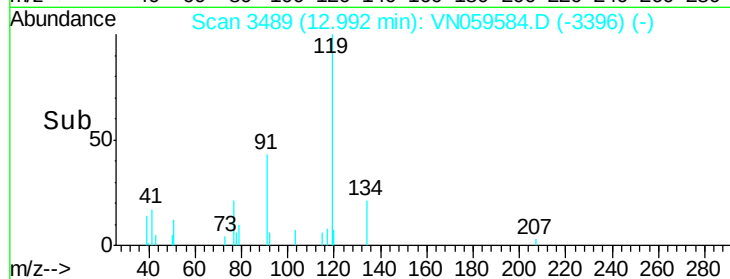
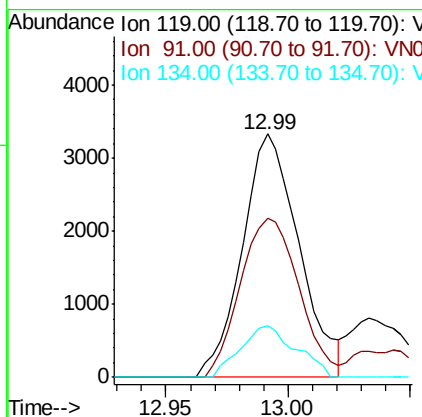
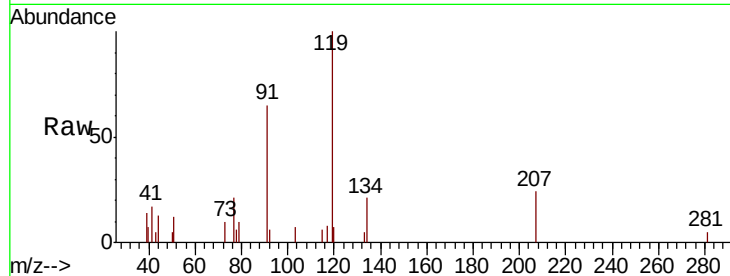
#83
 tert-Butylbenzene
 Concen: 1.109 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.8	104.4
134	20.7	12.3	36.9

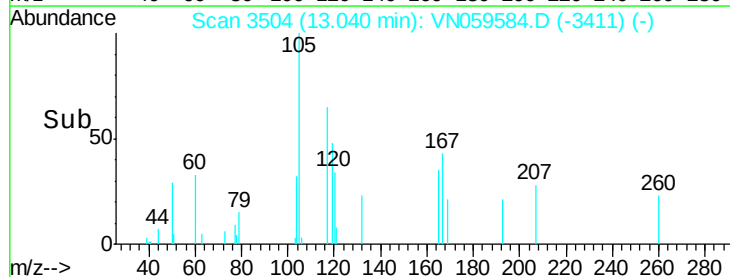
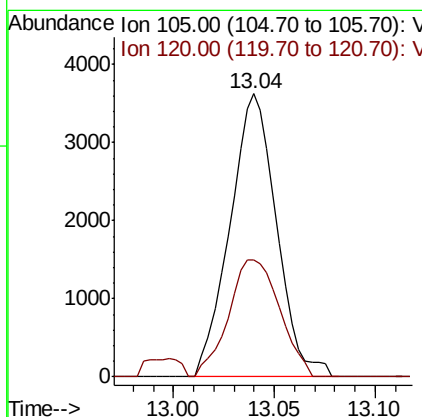
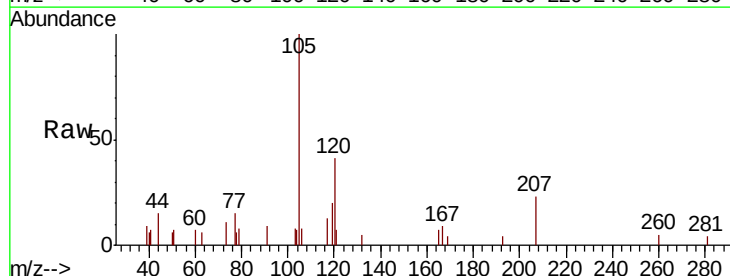
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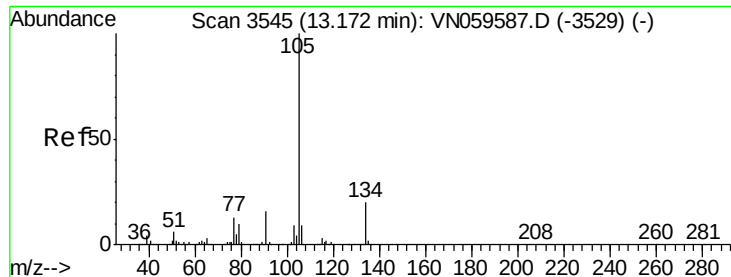
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.019 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 1.084 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 7203

Ion Ratio Lower Upper

105 100

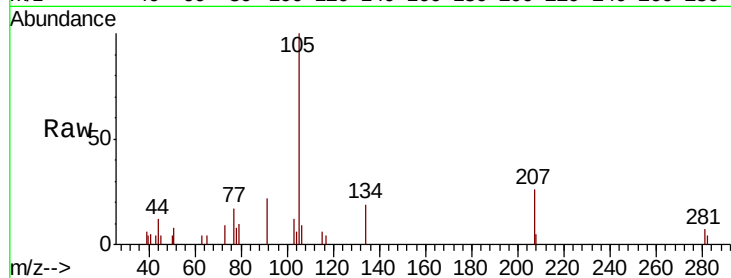
134 20.6 9.8 29.5

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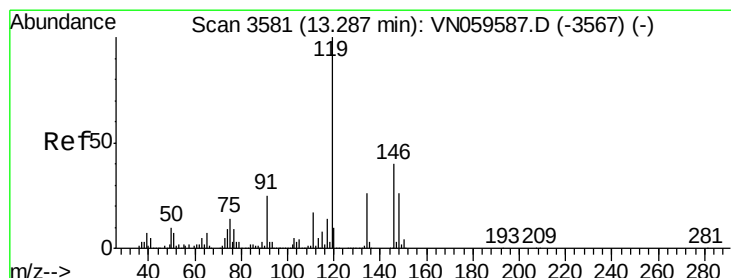
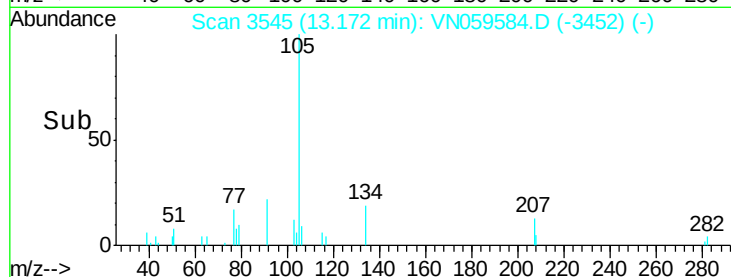
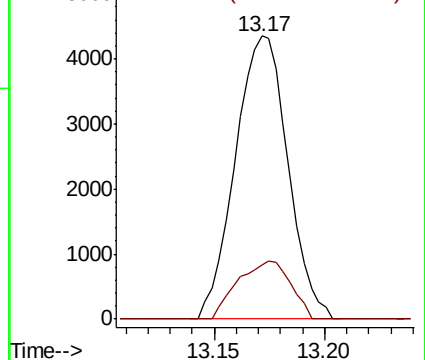
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.115 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

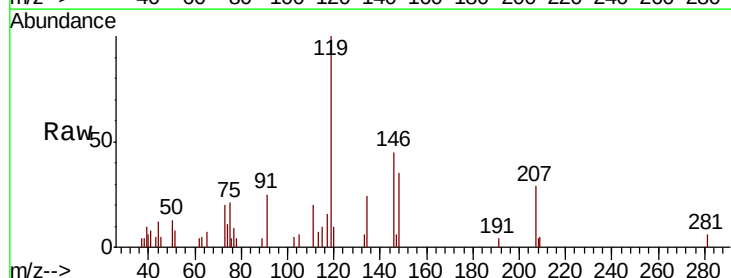
Tgt Ion:119 Resp: 6610

Ion Ratio Lower Upper

119 100

134 23.7 12.9 38.7

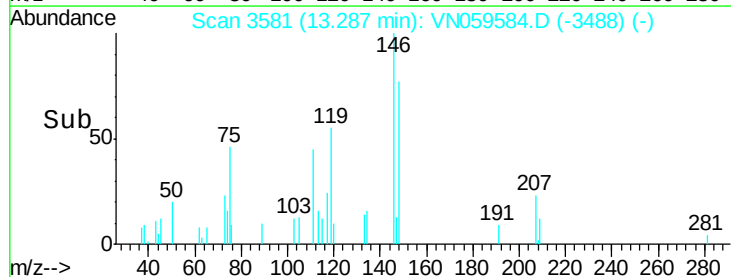
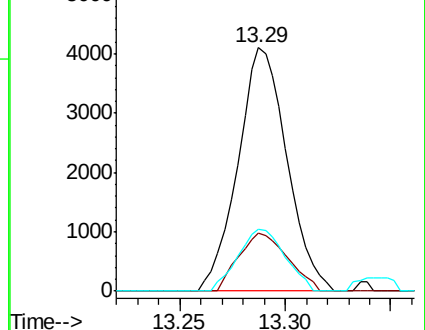
91 24.5 12.4 37.4

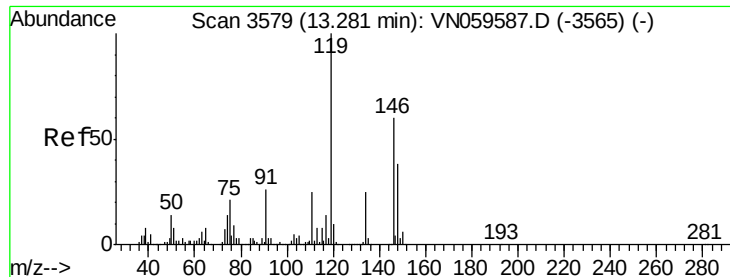


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





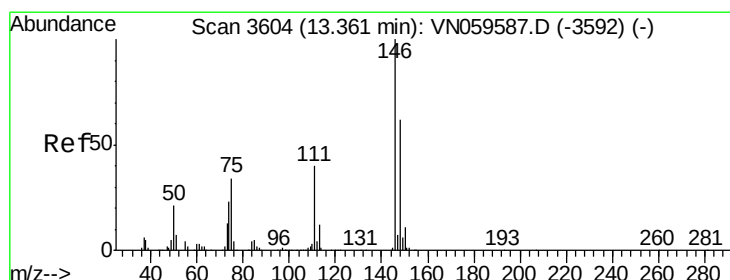
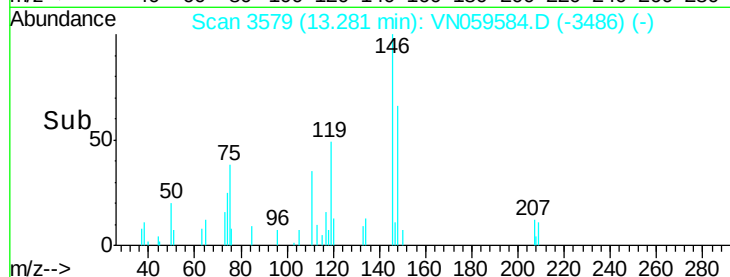
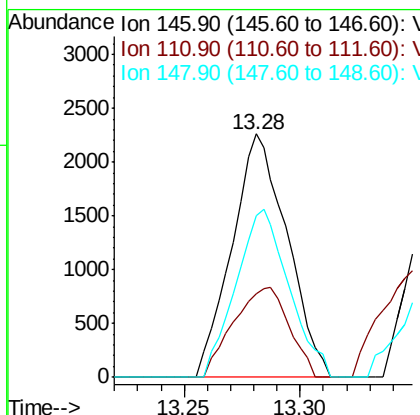
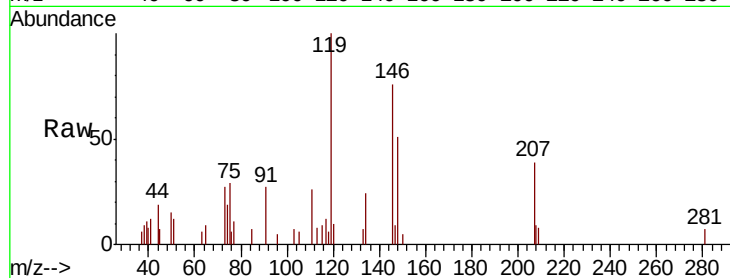
#87
 1,3-Dichlorobenzene
 Concen: 1.205 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.8	62.2
148	66.5	32.0	96.0

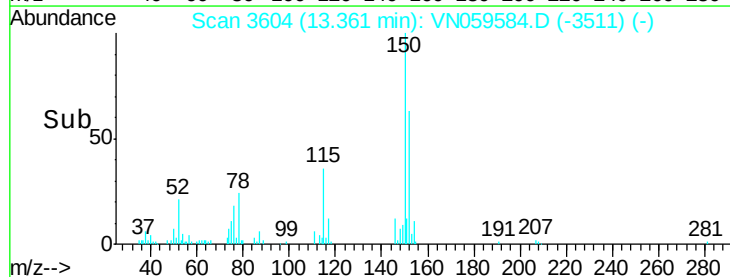
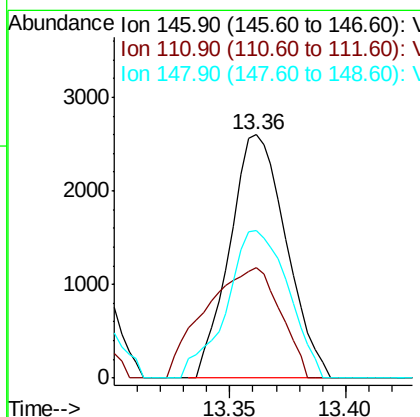
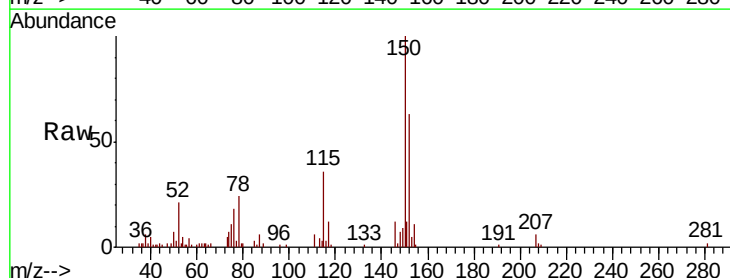
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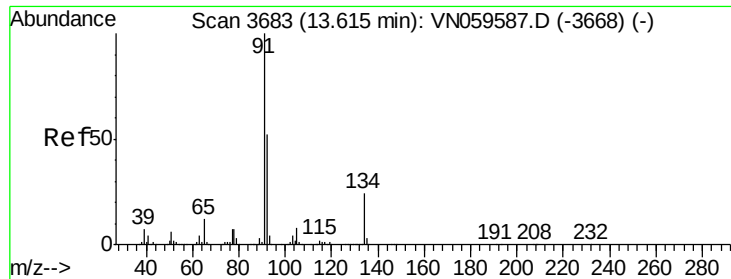
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#88
 1,4-Dichlorobenzene
 Concen: 1.451 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.4	20.8	62.2
148	66.2	31.8	95.4





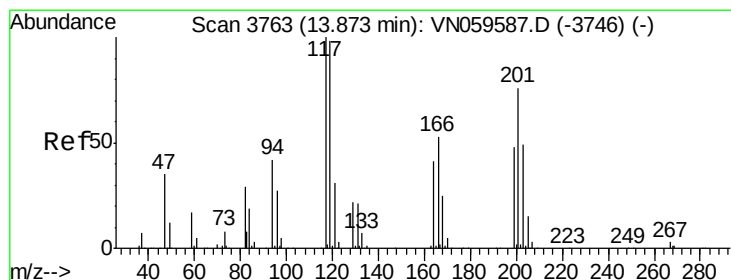
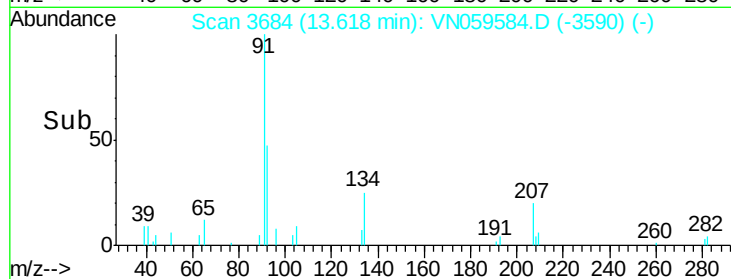
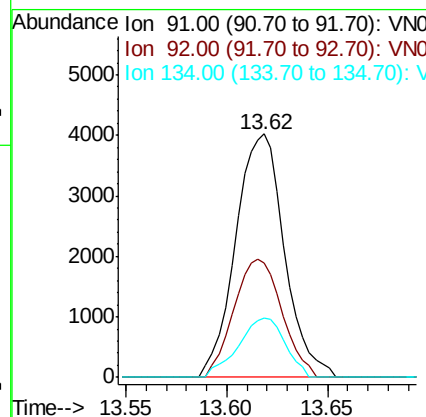
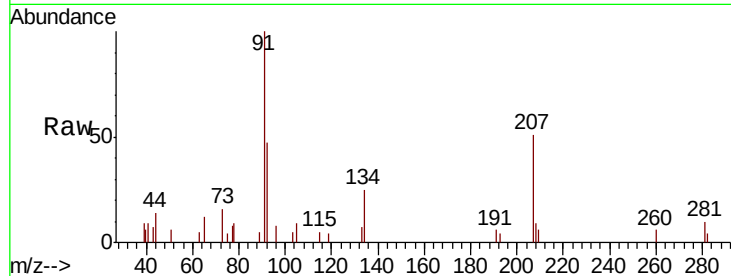
#89
n-Butylbenzene
Concen: 1.218 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.8	25.9	77.7
134	23.4	12.3	36.8

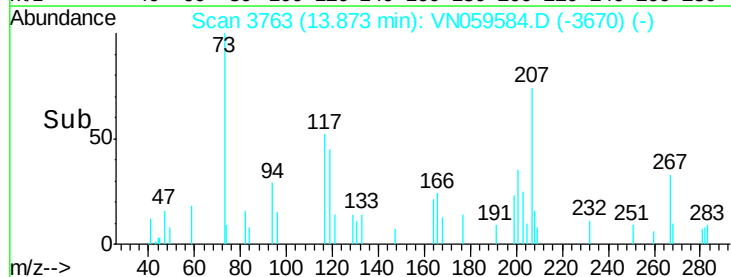
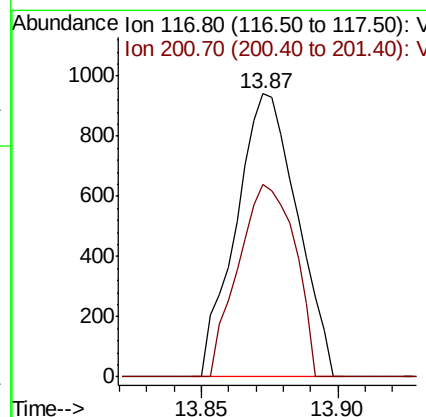
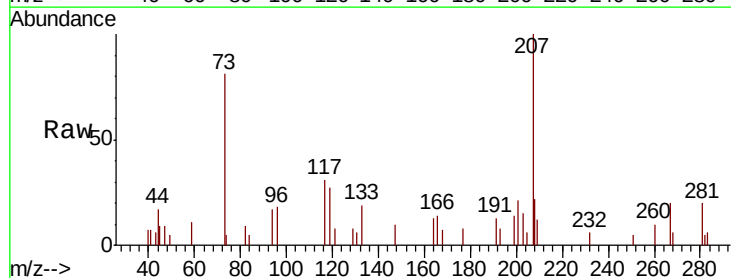
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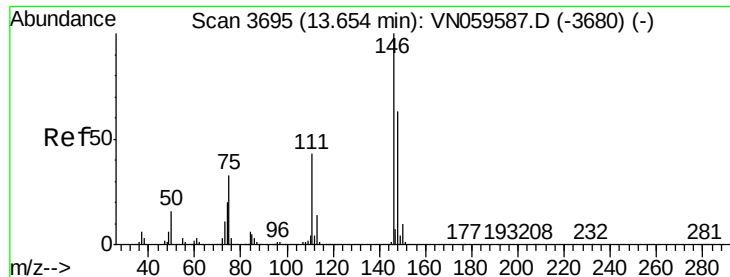
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#90
Hexachloroethane
Concen: 1.337 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.1	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 1.333 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

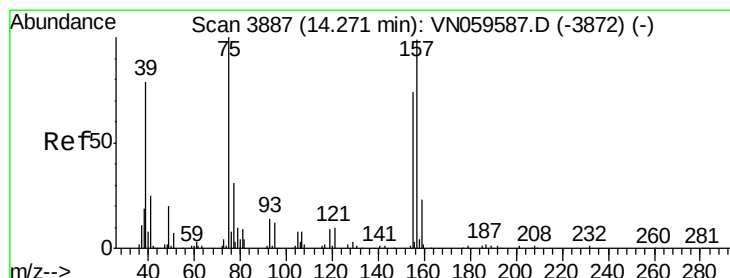
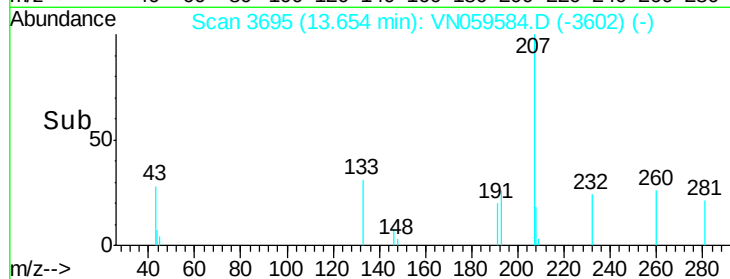
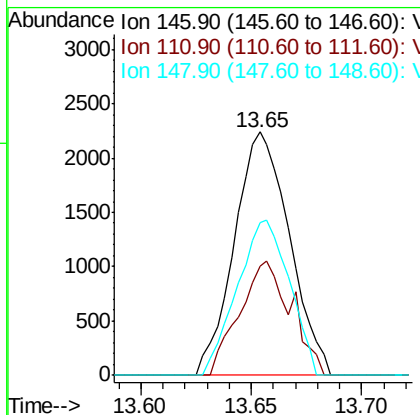
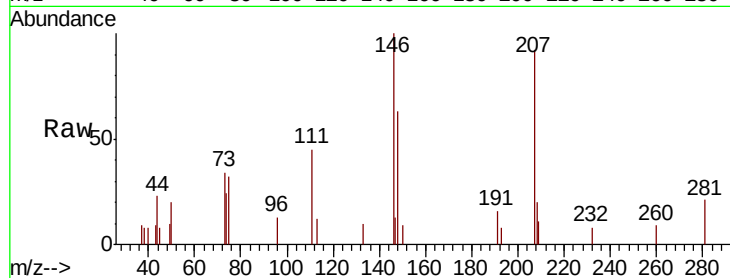
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	3885
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.6	64.8
148	60.4	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 2.492 ug/l m

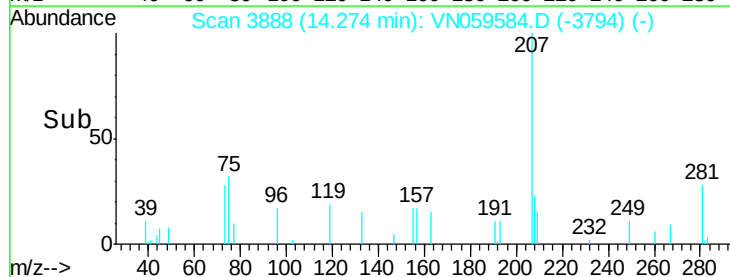
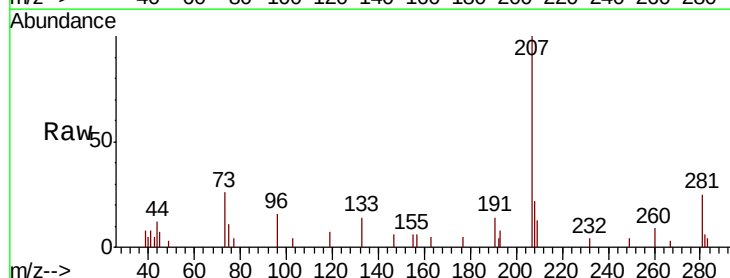
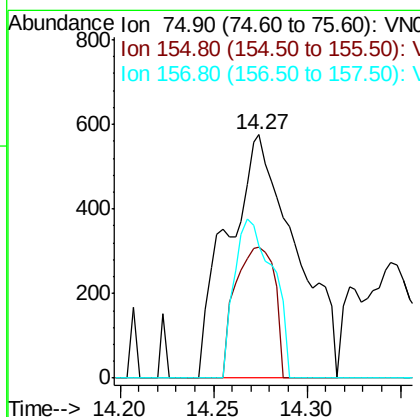
RT: 14.27 min Scan# 3888

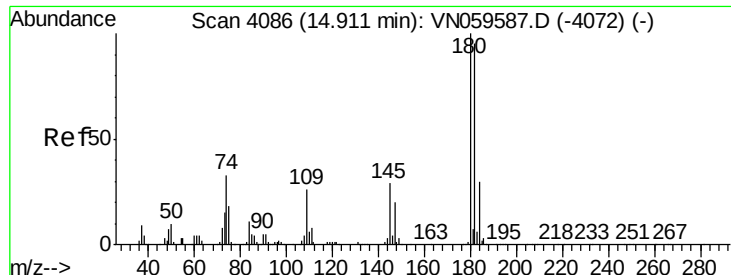
Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion:	75	Resp:	1452
Ion Ratio	Lower	Upper	
75	100		
155	31.2	37.0	110.9#
157	37.1	48.4	145.2#





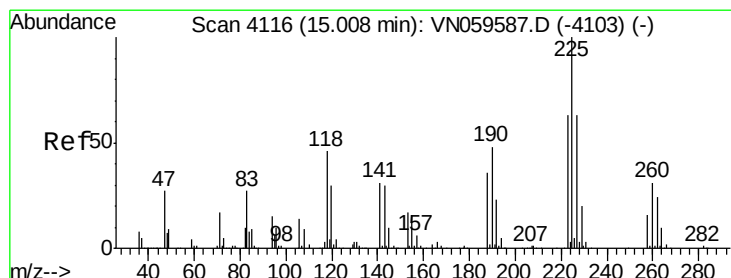
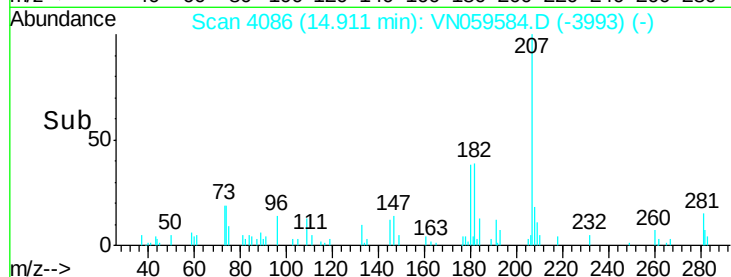
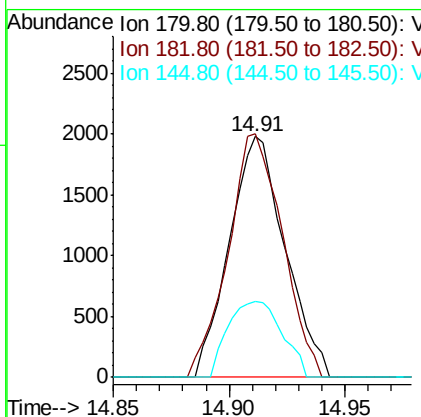
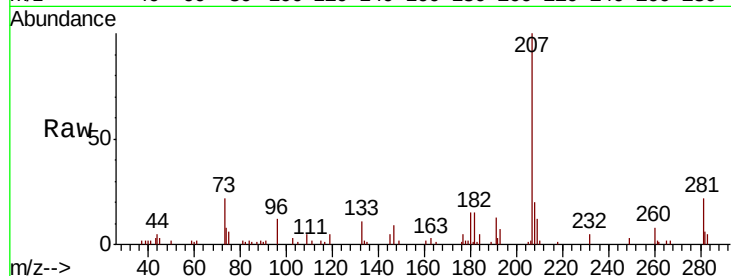
#93
 1,2,4-Trichlorobenzene
 Concen: 1.669 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	46.9	140.7
145	30.6	15.0	45.1

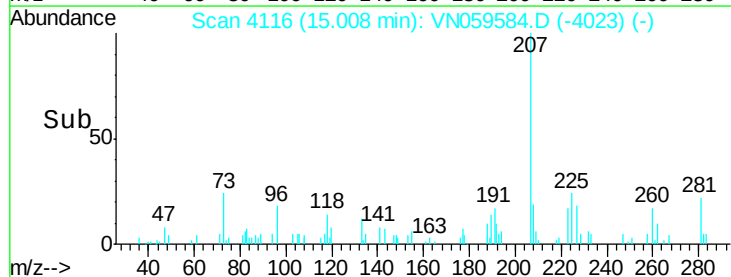
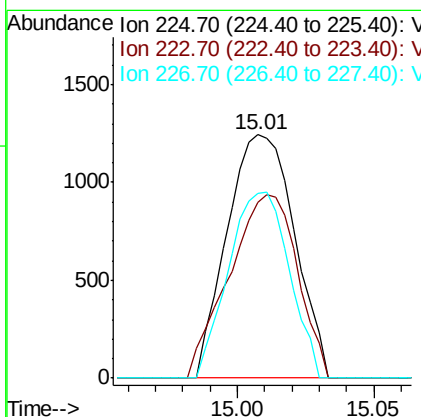
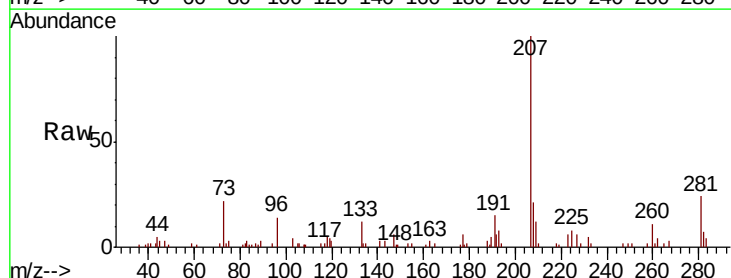
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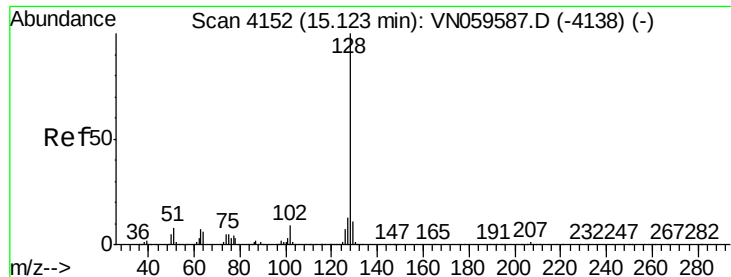
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#94
 Hexachlorobutadiene
 Concen: 2.129 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	76.2	31.8	95.3
227	68.8	32.1	96.5





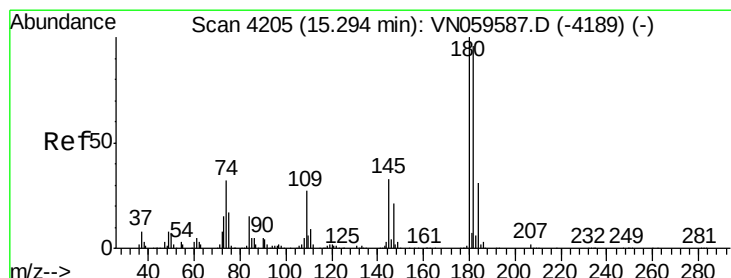
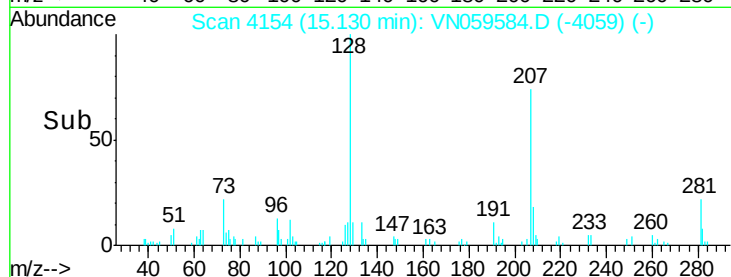
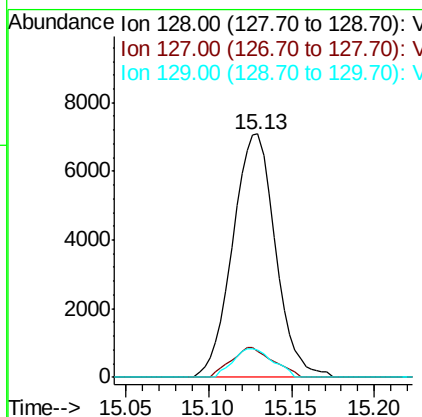
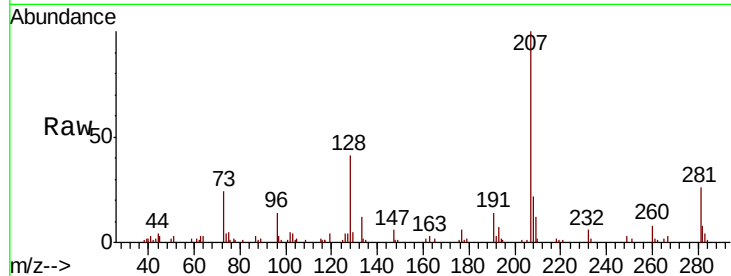
#95
Naphthalene
Concen: 2.177 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 2.084 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.4	142.3
145	41.8	16.3	48.9

