

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059013.D
 Acq On : 29 Oct 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:49 PM

Quant Time: Oct 30 04:44:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	385462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	271724	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.57	113	205626	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.08	98	778128	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	297422	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204819	42.618	ug/l	100
3) Chloromethane	2.04	50	254641	42.781	ug/l	99
4) Vinyl Chloride	2.17	62	268956	45.509	ug/l	97
5) Bromomethane	2.54	94	155022	41.888	ug/l	98
6) Chloroethane	2.68	64	164574	43.424	ug/l	99
7) Trichlorofluoromethane	3.00	101	337189	46.111	ug/l	98
8) Diethyl Ether	3.39	74	126883	50.210	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195305	48.177	ug/l	99
10) Methyl Iodide	3.93	142	239939	45.001	ug/l	100
11) Tert butyl alcohol	4.76	59	256450	273.355	ug/l	99
12) 1,1-Dichloroethene	3.71	96	184498	48.553	ug/l	97
13) Acrolein	3.58	56	147906	229.449	ug/l	98
14) Allyl chloride	4.30	41	384208	49.967	ug/l	95
15) Acrylonitrile	4.96	53	668091	283.107	ug/l	99
16) Acetone	3.79	43	710848	254.458	ug/l	99
17) Carbon Disulfide	4.03	76	506044	41.341	ug/l	100
18) Methyl Acetate	4.30	43	359774	56.646	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	703250	52.853	ug/l	97
20) Methylene Chloride	4.53	84	228089	47.816	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	199491	47.538	ug/l	97
22) Diisopropyl ether	5.93	45	803776	53.442	ug/l	93
23) Vinyl Acetate	5.87	43	3371875	279.047	ug/l	99
24) 1,1-Dichloroethane	5.82	63	430427	49.356	ug/l	99
25) 2-Butanone	6.81	43	984295	271.428	ug/l	97
26) 2,2-Dichloropropane	6.80	77	372290	49.354	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	239927	50.049	ug/l	98
28) Bromochloromethane	7.17	49	145411	50.066	ug/l	100
29) Tetrahydrofuran	7.19	42	622659	280.684	ug/l	100
30) Chloroform	7.35	83	417181	47.689	ug/l	99
31) Cyclohexane	7.63	56	366810	45.149	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	358416	48.608	ug/l	99
36) 1,1-Dichloropropene	7.77	75	308492	50.006	ug/l	100
37) Ethyl Acetate	6.90	43	379929	56.520	ug/l	100
38) Carbon Tetrachloride	7.75	117	310896	48.919	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	350101	50.541	ug/l	99
40) Benzene	8.02	78	927801	51.216	ug/l	99
41) Methacrylonitrile	7.15	41	143686m	47.994	ug/l	
42) 1,2-Dichloroethane	8.11	62	343073	49.163	ug/l	100
43) Isopropyl Acetate	8.15	43	594041	55.103	ug/l	100
44) Trichloroethene	8.82	130	223353	50.614	ug/l	99
45) 1,2-Dichloropropane	9.10	63	258260	51.990	ug/l	100
46) Dibromomethane	9.20	93	160577	51.133	ug/l	97
47) Bromodichloromethane	9.39	83	333884	51.585	ug/l	98
48) Methyl methacrylate	9.19	41	273098	55.835	ug/l	96
49) 1,4-Dioxane	9.19	88	90877	1131.827	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1927380	306.085	ug/l	99
52) Toluene	10.15	92	567600	52.836	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	385057	53.740	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	407978	53.295	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	232778	52.599	ug/l	99
56) Ethyl methacrylate	10.43	69	379842	51.050	ug/l	98
57) 1,3-Dichloropropane	10.70	76	409772	52.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	817013	260.034	ug/l	100
59) 2-Hexanone	10.75	43	1483610	304.906	ug/l	98
60) Dibromochloromethane	10.90	129	260559	54.700	ug/l	98
61) 1,2-Dibromoethane	11.00	107	243456	53.755	ug/l	98
64) Tetrachloroethene	10.63	164	196967	49.741	ug/l	98
65) Chlorobenzene	11.43	112	601671	52.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	231092	53.200	ug/l	99
67) Ethyl Benzene	11.51	91	1107801	54.860	ug/l	98
68) m/p-Xylenes	11.62	106	824459	110.095	ug/l	100
69) o-Xylene	11.95	106	391665	54.838	ug/l	100
70) Styrene	11.97	104	676258	51.252	ug/l	98
71) Bromoform	12.13	173	190175	56.458	ug/l #	98
73) Isopropylbenzene	12.25	105	1093781	51.955	ug/l	99
74) N-amyl acetate	12.07	43	524145	54.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	379838	51.312	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	361759m	54.185	ug/l	
77) Bromobenzene	12.53	156	263001	50.683	ug/l	99
78) n-propylbenzene	12.59	91	1315497	52.863	ug/l	100
79) 2-Chlorotoluene	12.68	91	771340	50.644	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	937682	53.012	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	138859	54.182	ug/l	96
82) 4-Chlorotoluene	12.78	91	800330	51.420	ug/l	100
83) tert-Butylbenzene	13.00	119	796192	52.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	940163	53.888	ug/l	98
85) sec-Butylbenzene	13.18	105	1080196	53.565	ug/l	99
86) p-Isopropyltoluene	13.29	119	977517	54.936	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	481189	51.861	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	470867	50.688	ug/l	99
89) n-Butylbenzene	13.62	91	882745	54.005	ug/l	99
90) Hexachloroethane	13.88	117	183582	50.916	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	473998	51.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82158	49.070	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	274309	47.893	ug/l	99
94) Hexachlorobutadiene	15.01	225	150297	50.848	ug/l	98
95) Naphthalene	15.13	128	800021	48.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	274384	49.137	ug/l	99

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

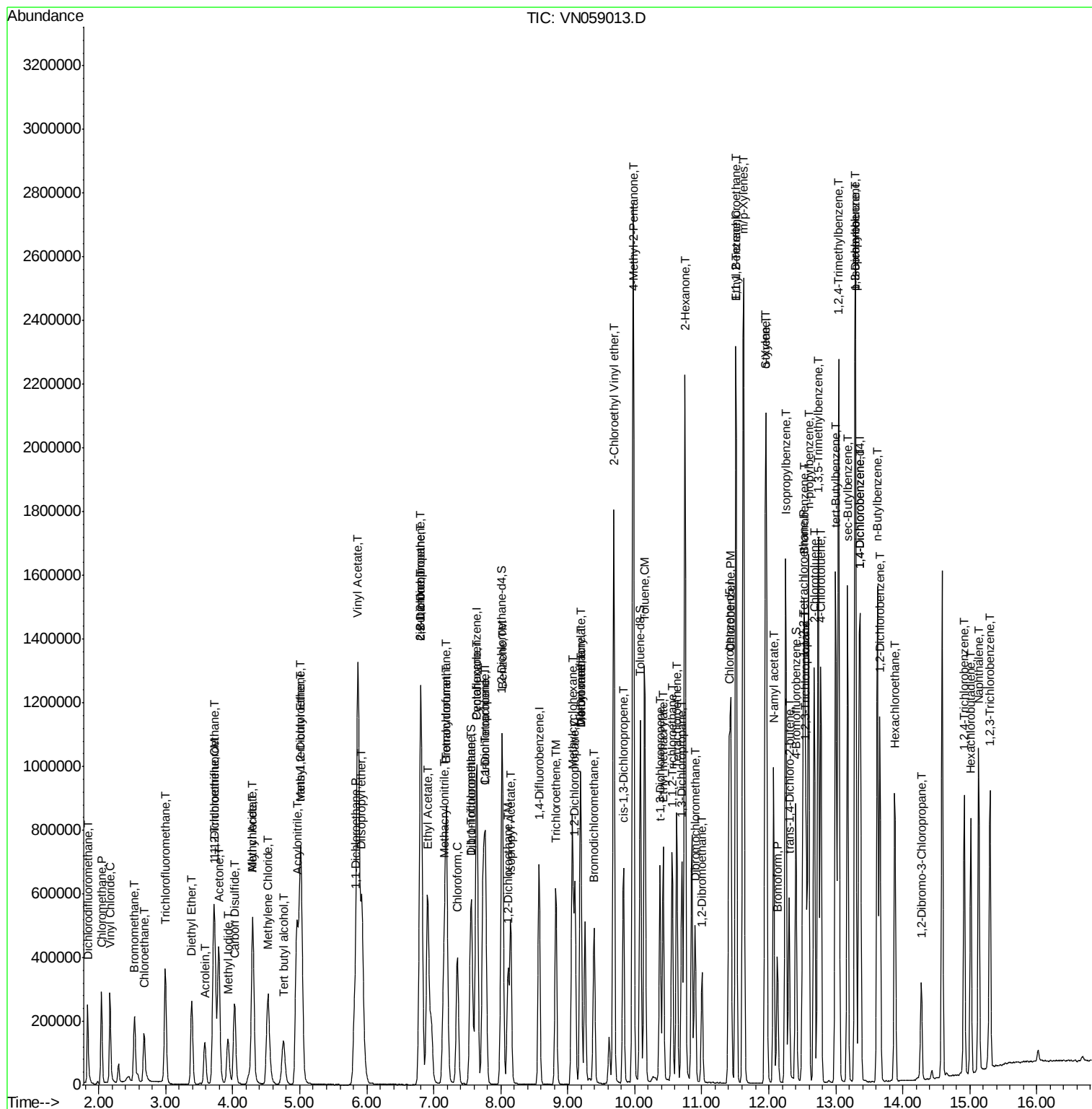
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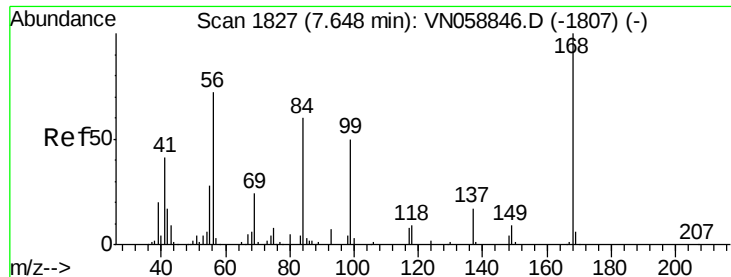
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 385462

Ion Ratio Lower Upper

168 100

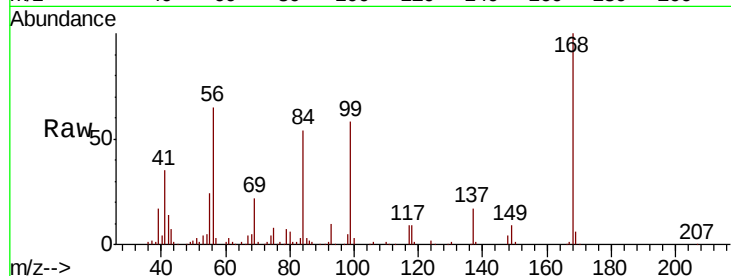
99 58.1 48.1 72.1

Manual Integrations

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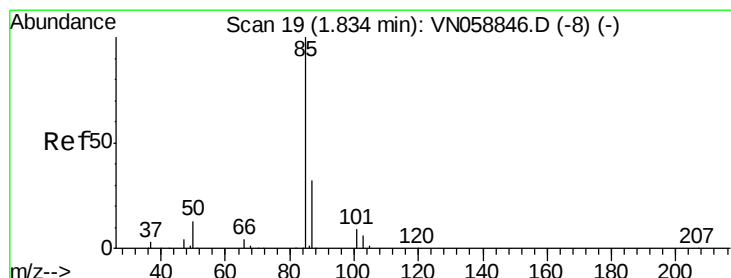
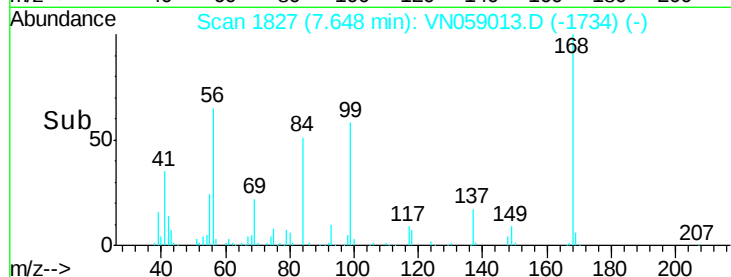
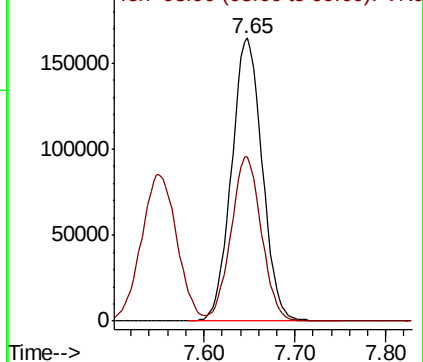
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.618 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059013.D

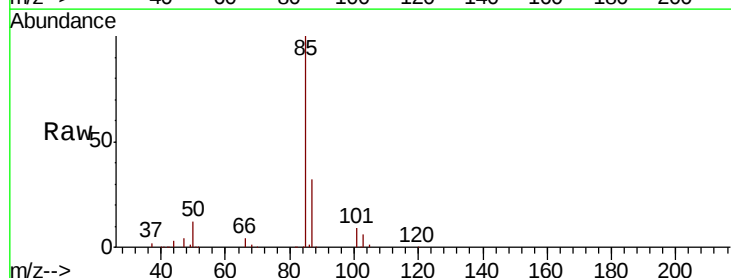
Acq: 29 Oct 2019 16:07

Tgt Ion: 85 Resp: 204819

Ion Ratio Lower Upper

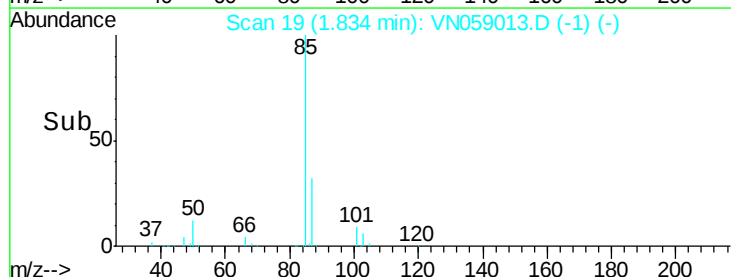
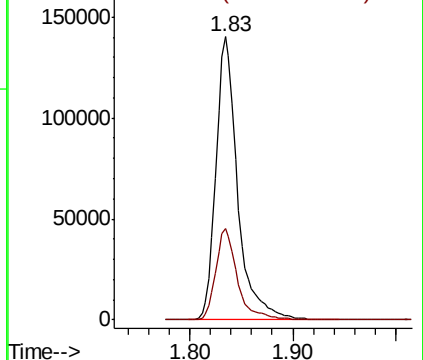
85 100

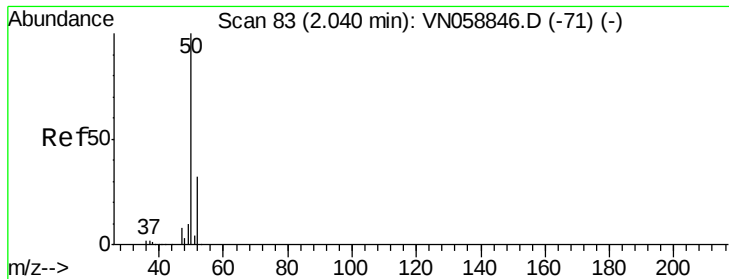
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.781 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 254641

Ion Ratio Lower Upper

50 100

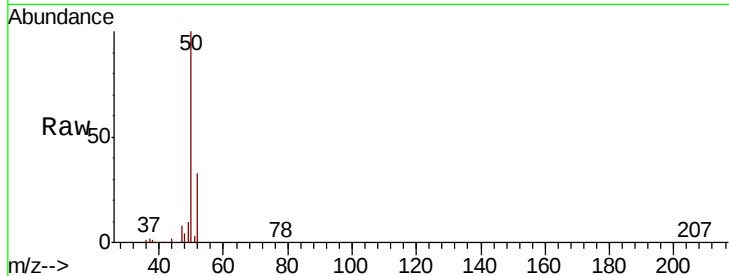
52 32.6 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

200000

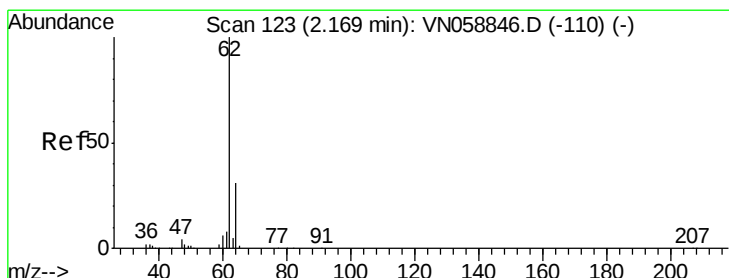
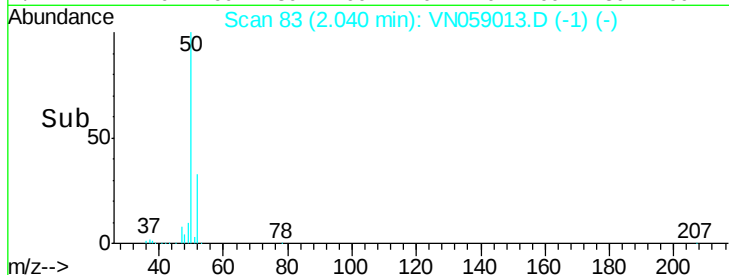
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 45.509 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059013.D

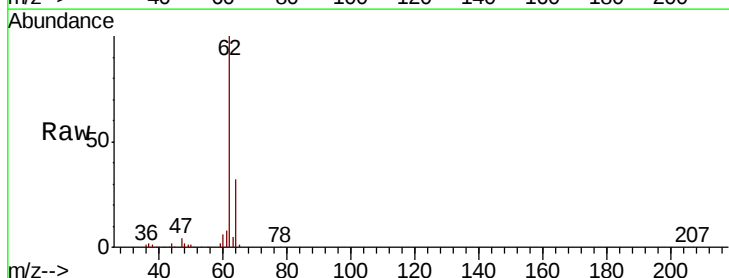
Acq: 29 Oct 2019 16:07

Tgt Ion: 62 Resp: 268956

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200000

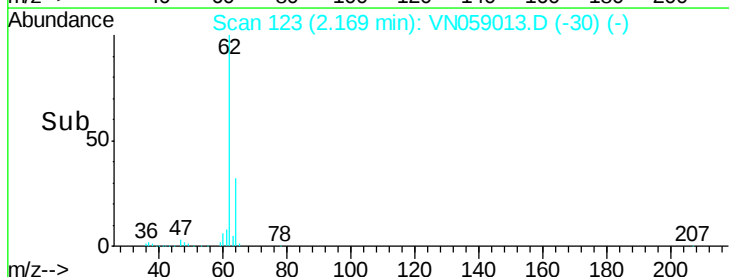
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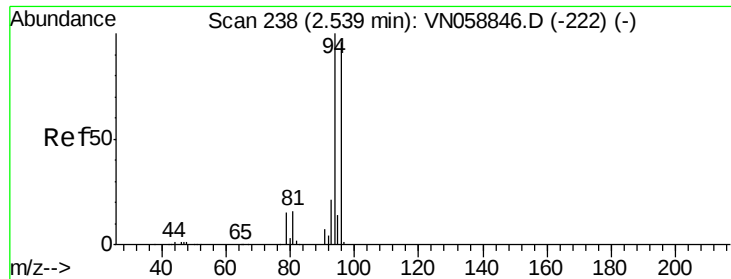
100000

50000

0

Time--> 2.10 2.20 2.30





#5

Bromomethane

Concen: 41.888 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

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Tot Ion: 94 Resp: 155022

Ion Ratio Lower Upper

94 100

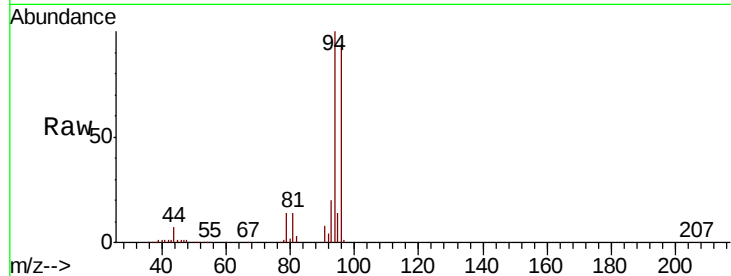
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Manual Integrations

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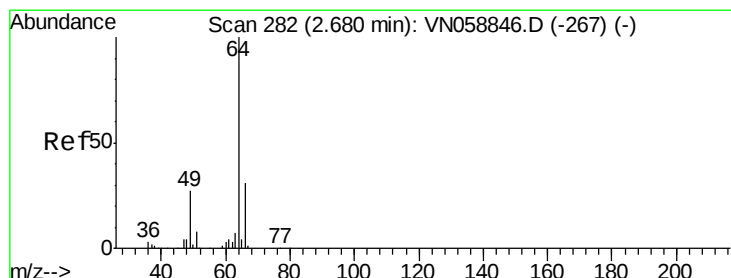
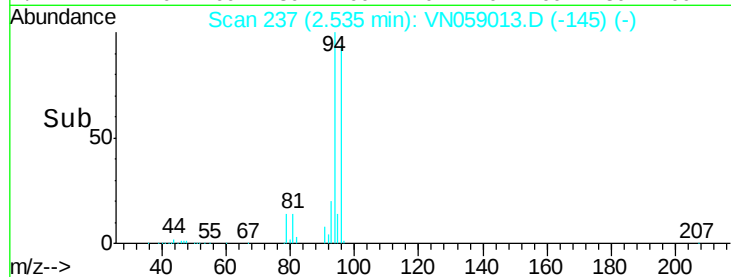
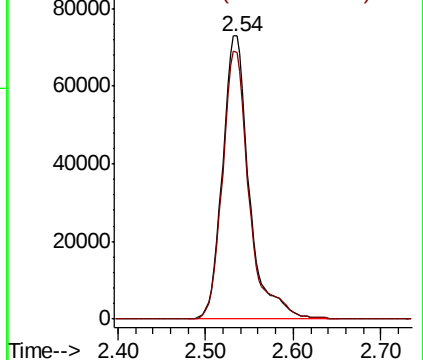
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.424 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059013.D

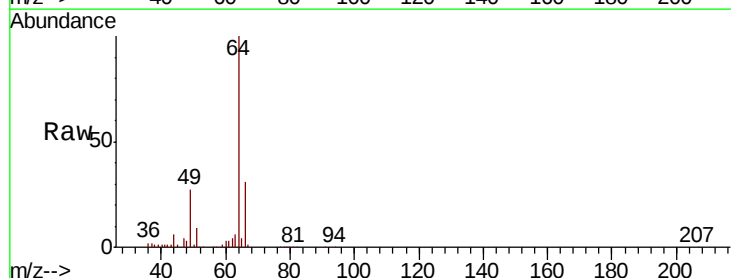
Acq: 29 Oct 2019 16:07

Tgt Ion: 64 Resp: 164574

Ion Ratio Lower Upper

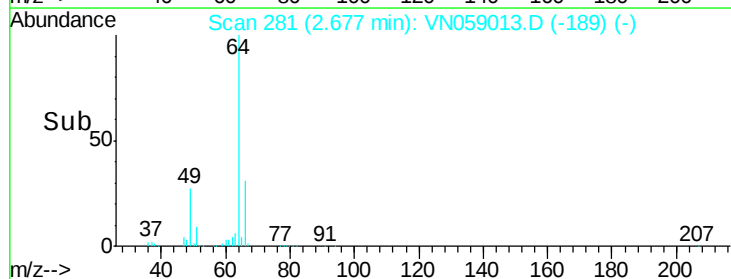
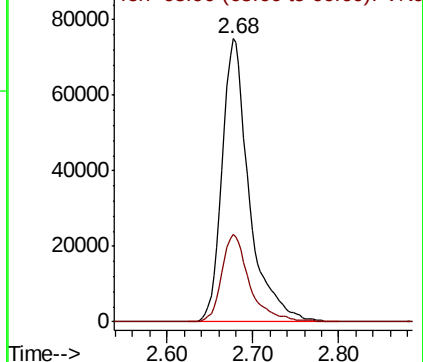
64 100

66 30.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

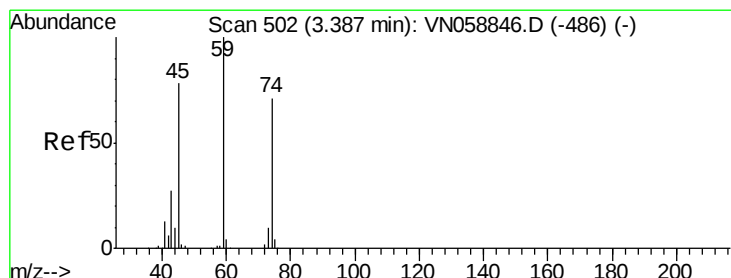
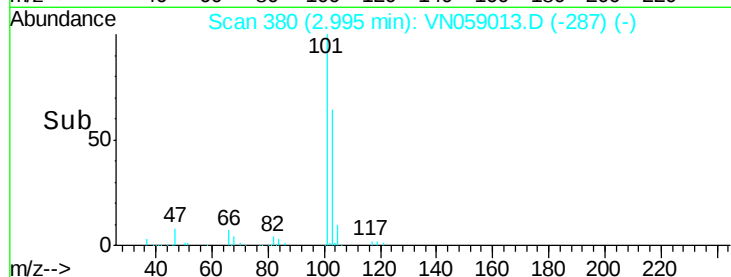
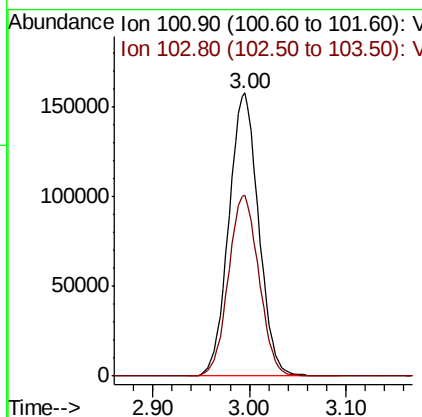
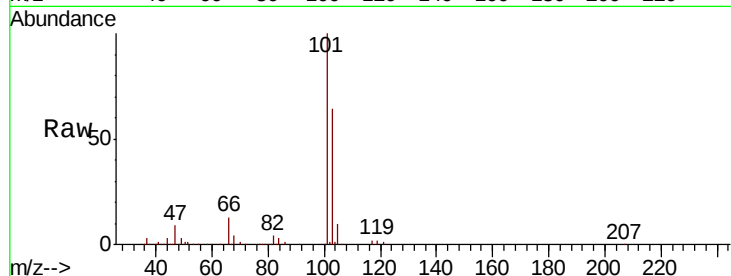
Trichlorofluoromethane
 Concen: 46.111 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.2

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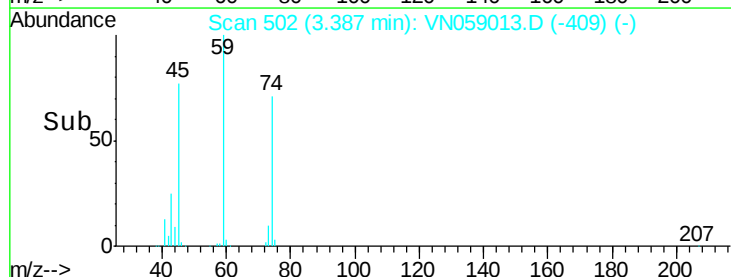
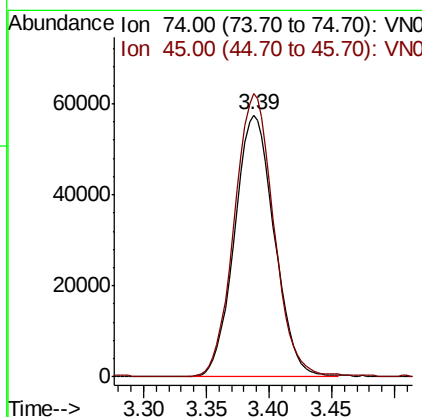
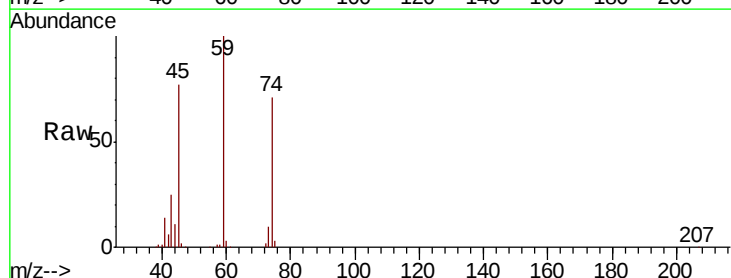
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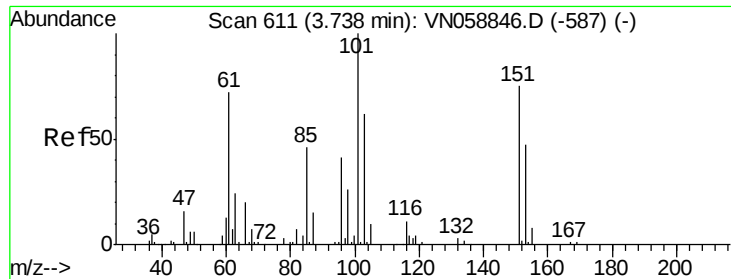


#8

Diethyl Ether
 Concen: 50.210 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.177 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

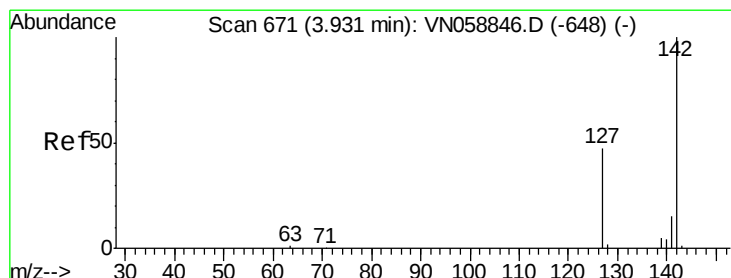
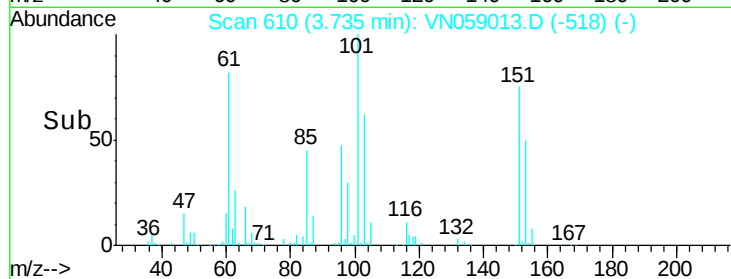
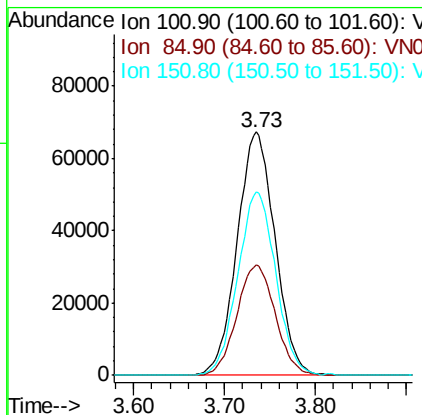
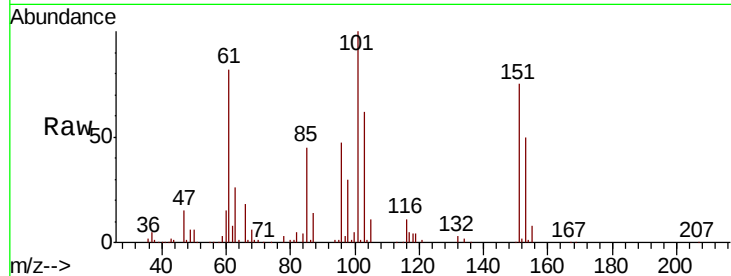
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	195305
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.2	55.8
151	75.3	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.001 ug/l

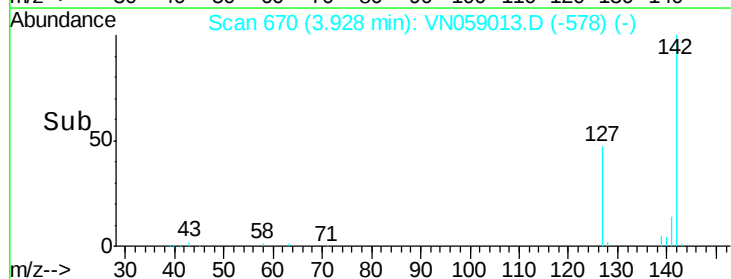
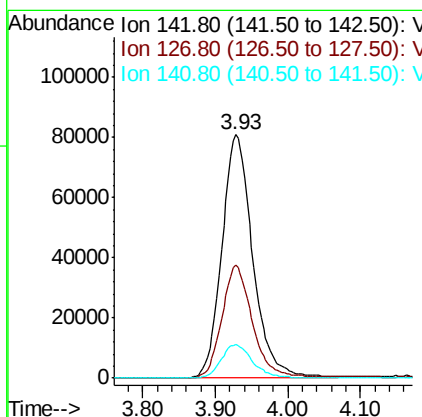
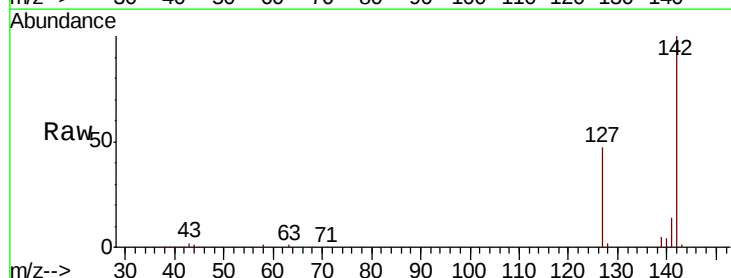
RT: 3.93 min Scan# 670

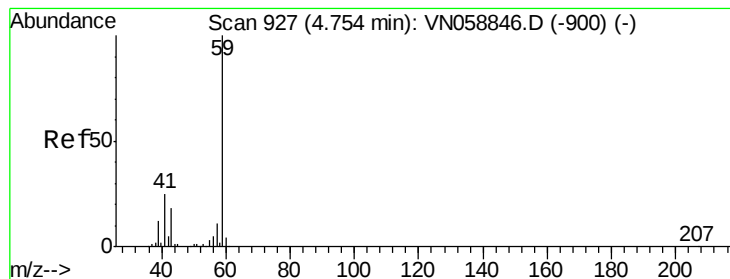
Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	142	Resp:	239939
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.6	54.8
141	14.0	11.4	17.2





#11

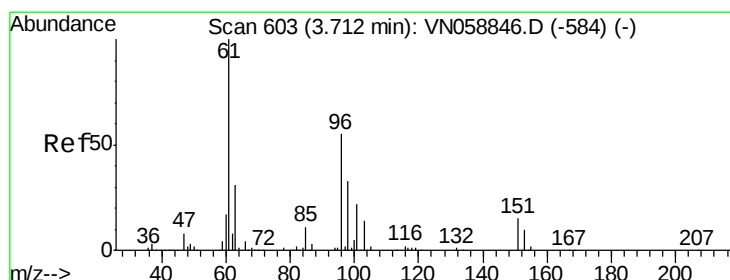
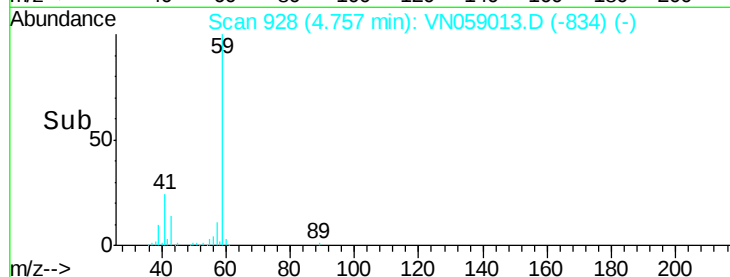
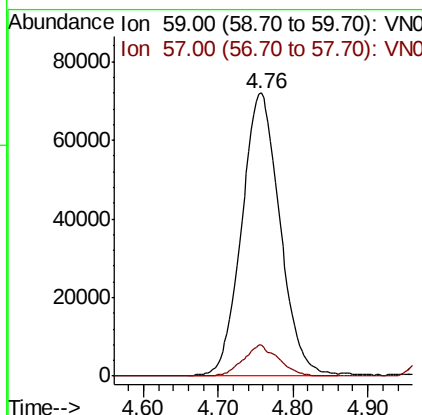
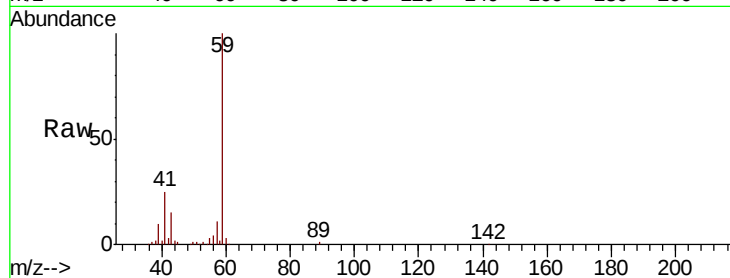
Tert butyl alcohol
Concen: 273.355 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

Manual Integrations
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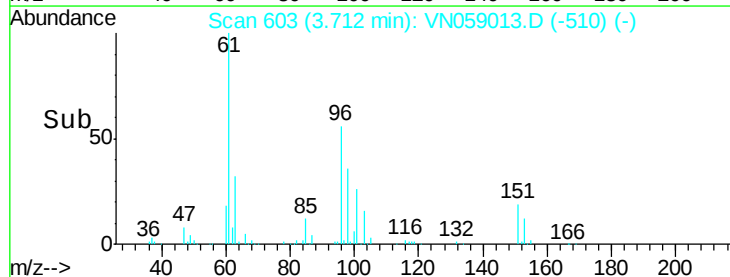
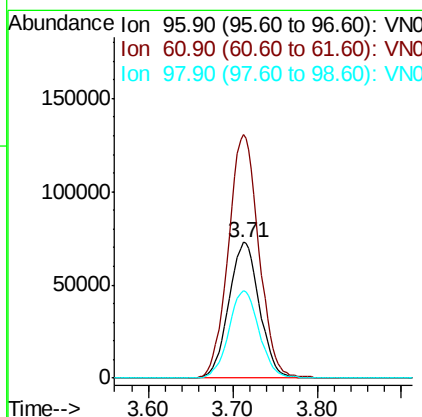
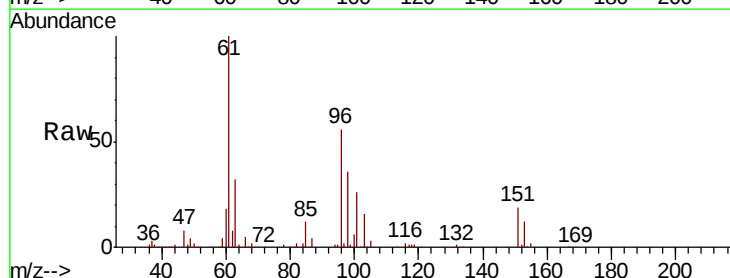
MMDadoda
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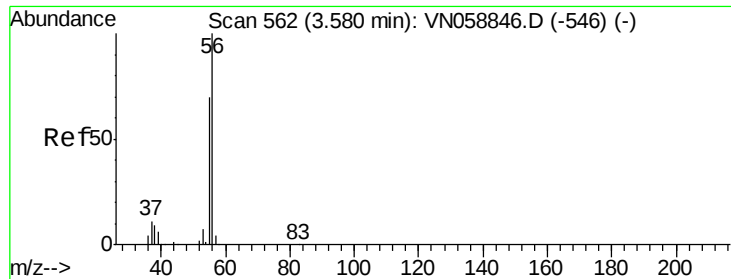


#12

1,1-Dichloroethene
Concen: 48.553 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	64.2	48.7	73.1





#13

Acrolein

Concen: 229.449 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 147906

Ion Ratio Lower Upper

56 100

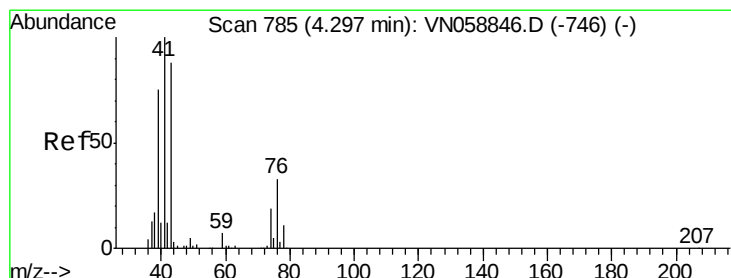
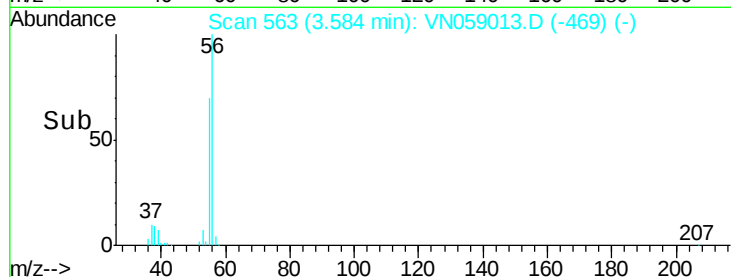
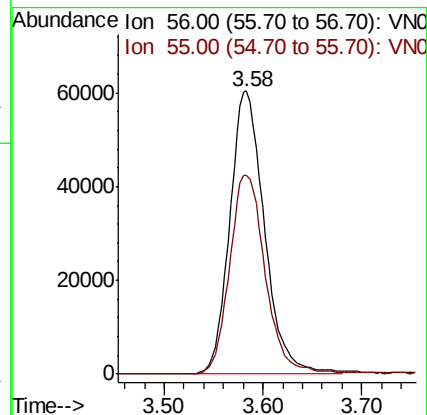
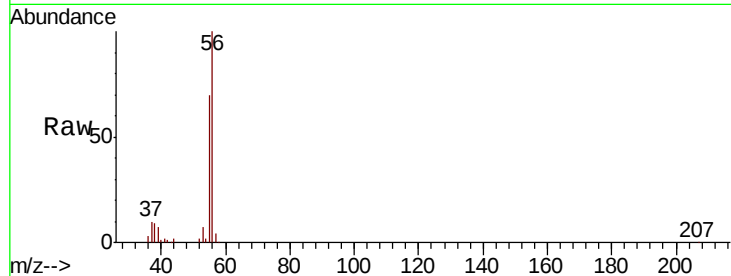
55 72.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.967 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

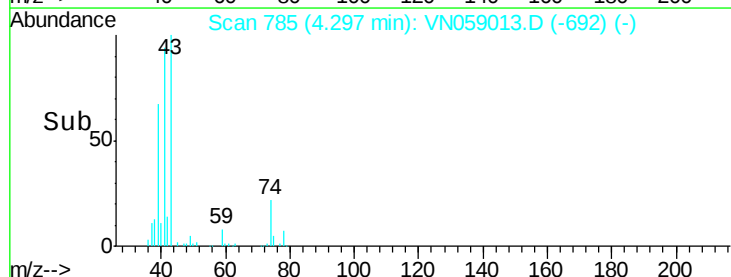
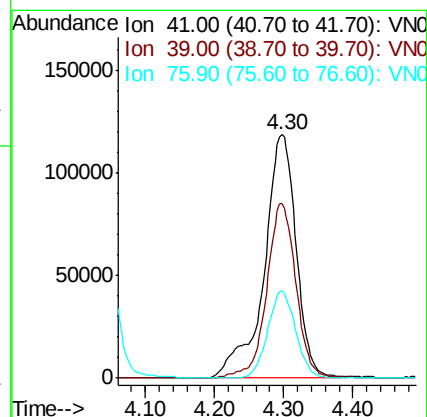
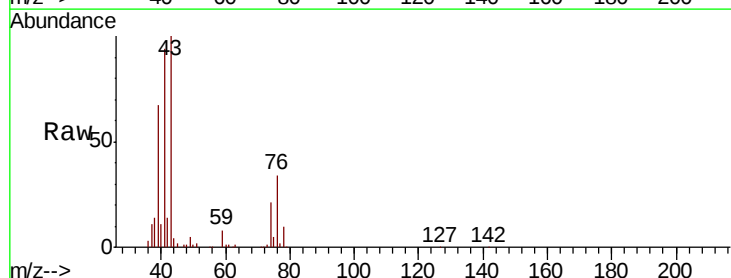
Tgt Ion: 41 Resp: 384208

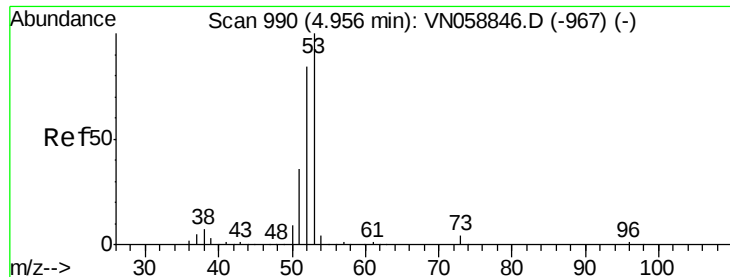
Ion Ratio Lower Upper

41 100

39 65.1 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 283.107 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

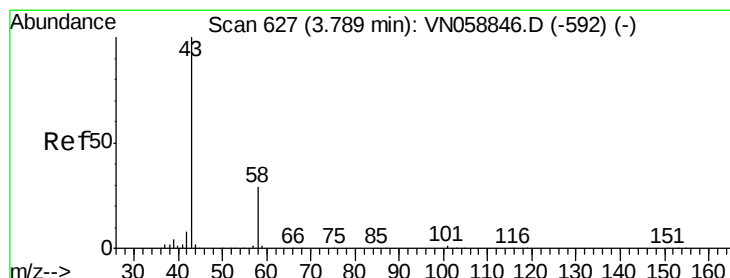
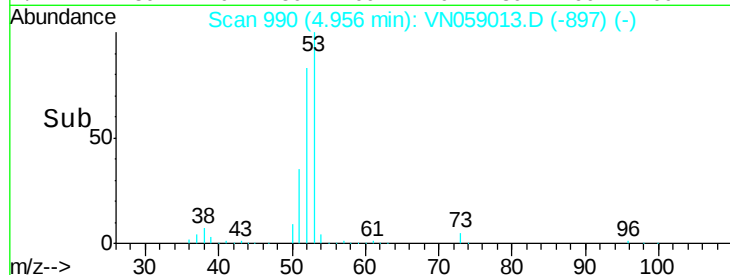
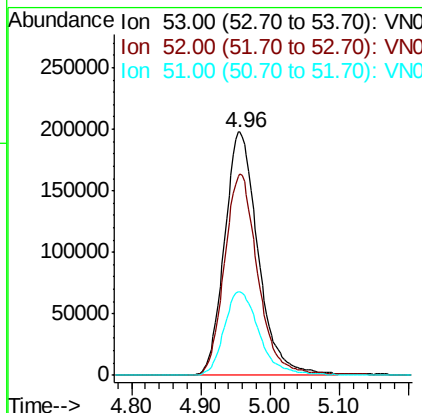
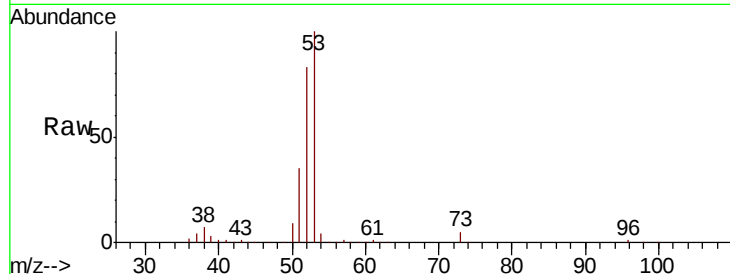
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	668091
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	99.8
51	36.0	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 254.458 ug/l

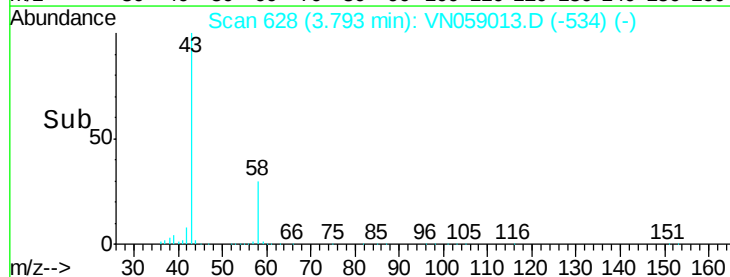
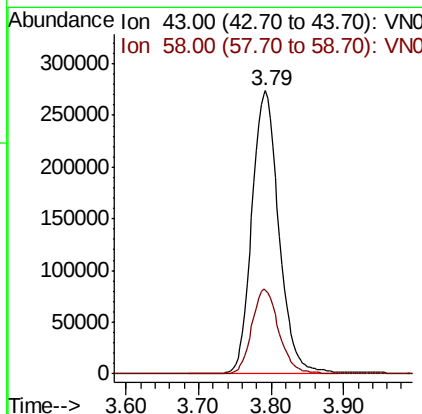
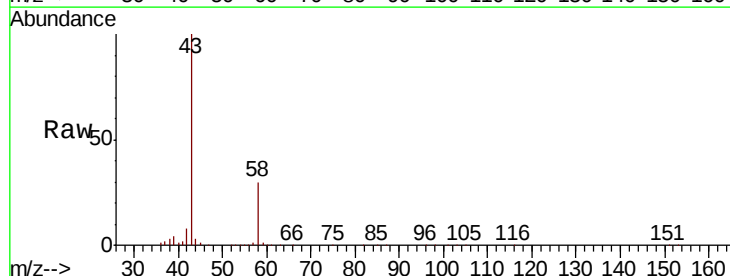
RT: 3.79 min Scan# 628

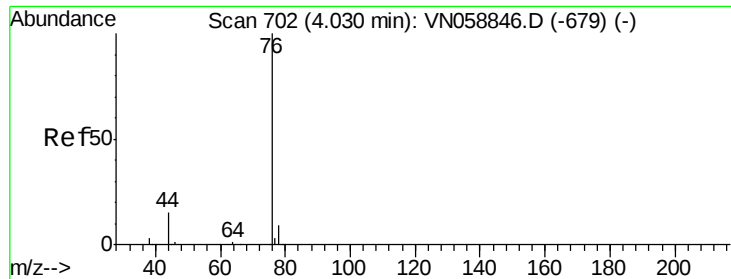
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	43	Resp:	710848
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.1	34.7





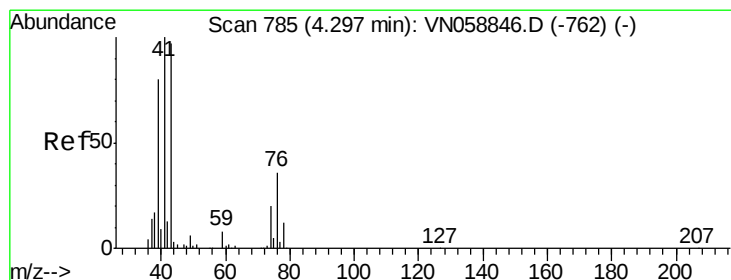
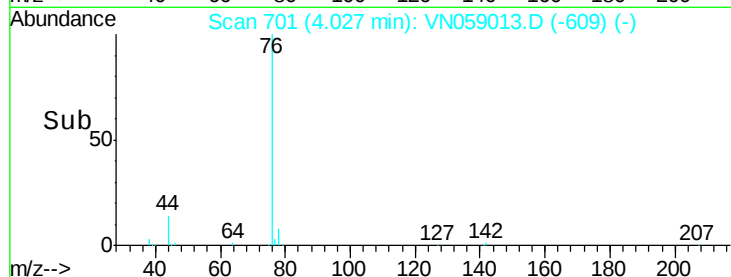
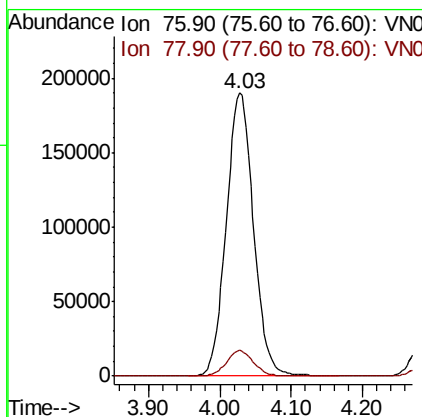
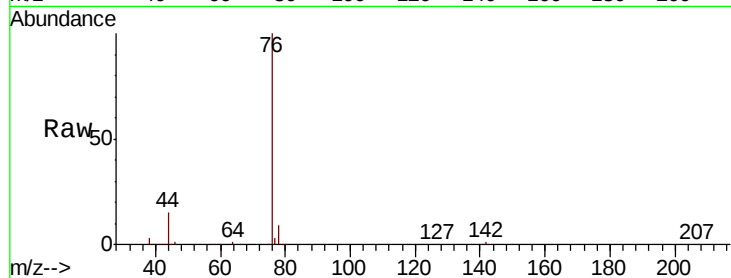
#17
Carbon Disulfide
Concen: 41.341 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

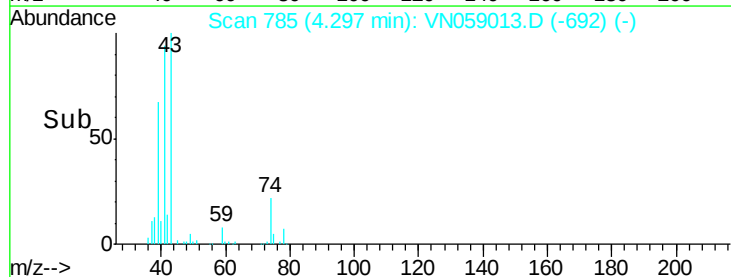
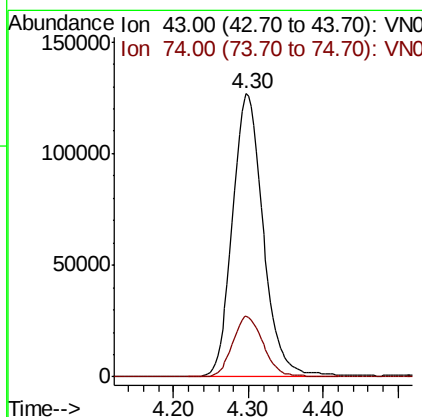
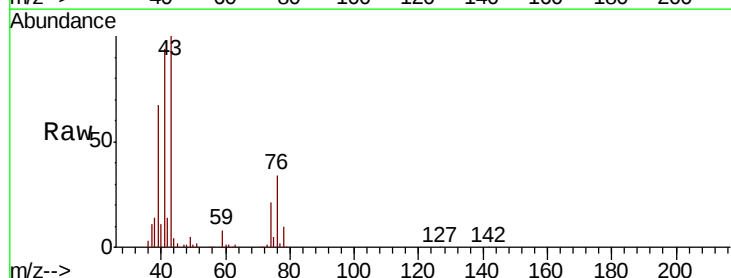
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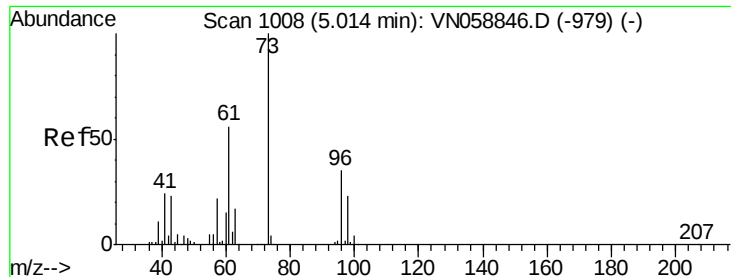
MMDadoda
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#18
Methyl Acetate
Concen: 56.646 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.1	25.7





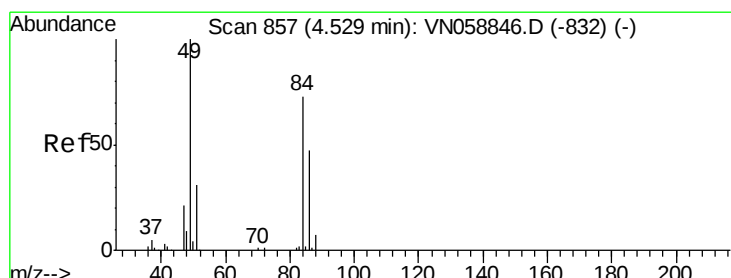
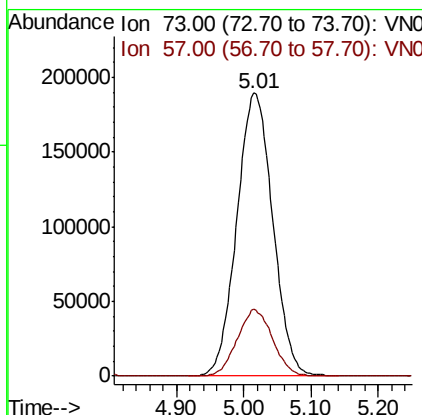
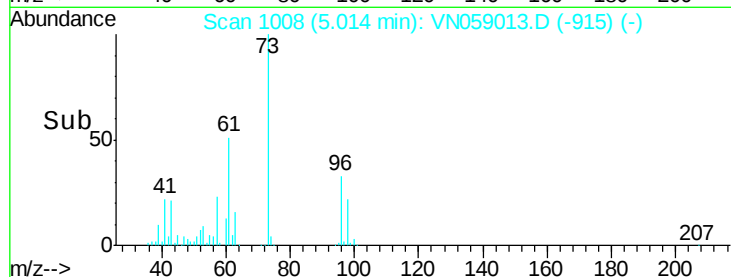
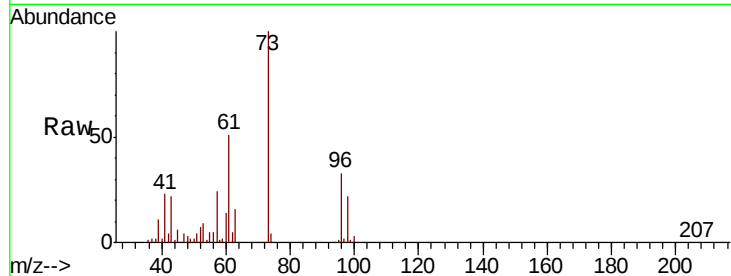
#19
Methvl tert-butvl Ether
Concen: 52.853 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 703250
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

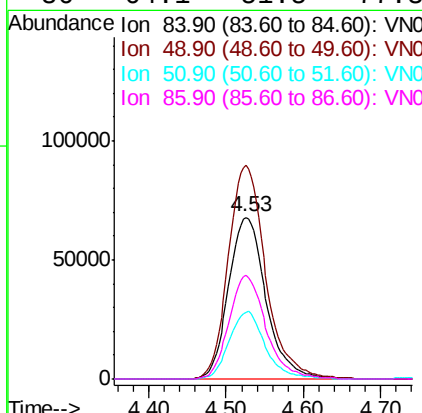
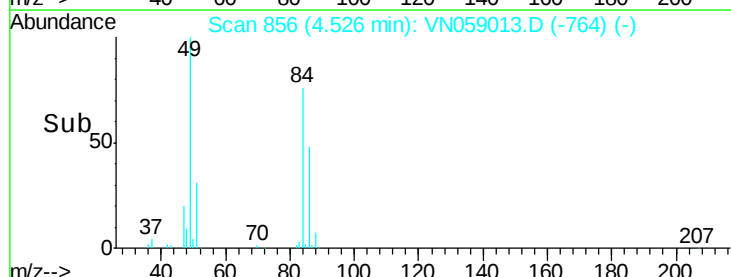
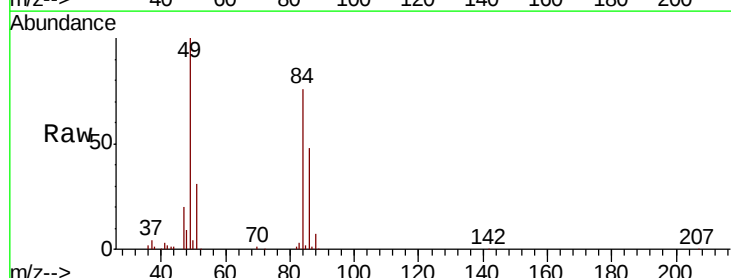
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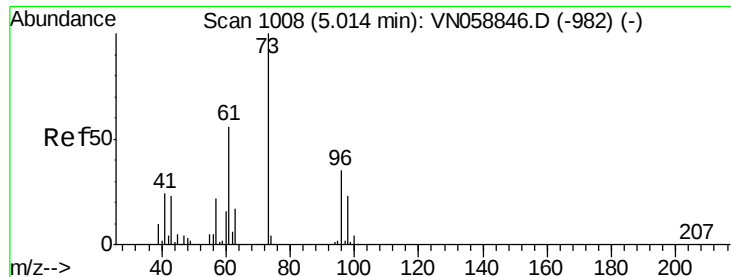
MMDadoda
10/30/2019 3:53:49 PM



#20
Methylene Chloride
Concen: 47.816 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 84 Resp: 228089
Ion Ratio Lower Upper
84 100
49 132.4 109.6 164.4
51 41.6 33.8 50.6
86 64.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.538 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

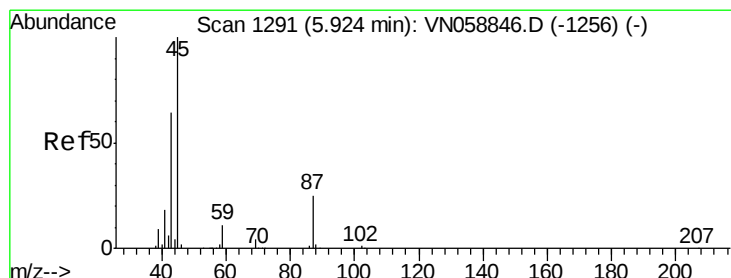
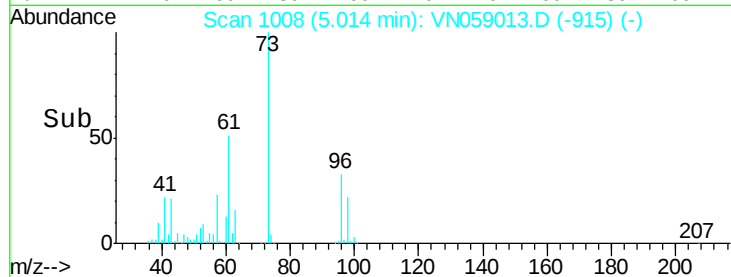
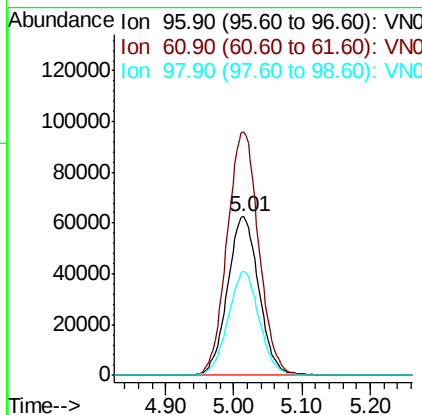
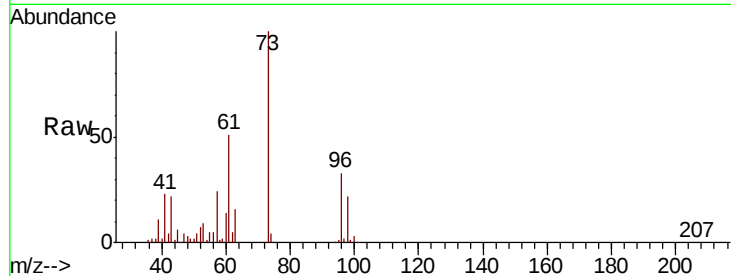
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	199491
Ion	Ratio	Lower	Upper
96	100		
61	153.5	126.7	190.1
98	65.8	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.442 ug/l

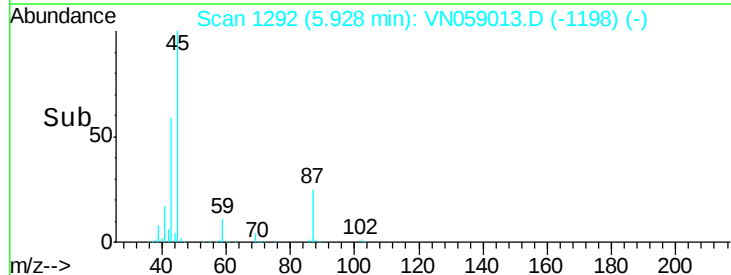
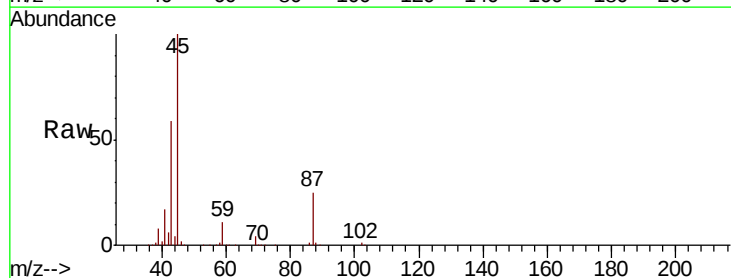
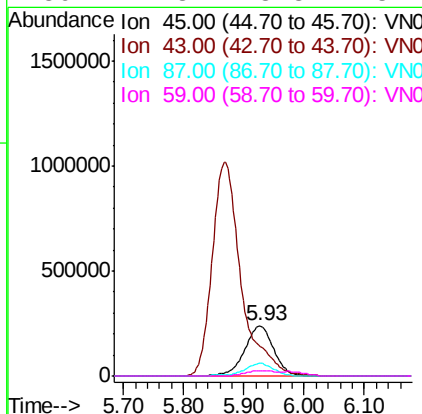
RT: 5.93 min Scan# 1292

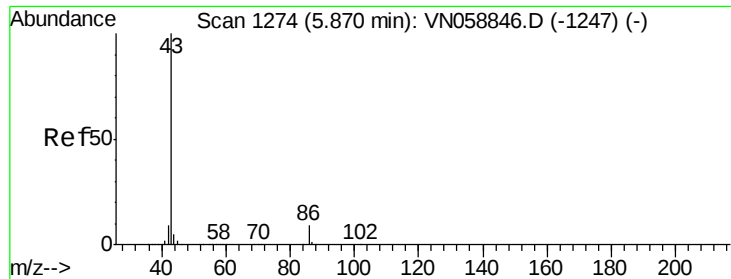
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	45	Resp:	803776
Ion	Ratio	Lower	Upper
45	100		
43	57.8	52.9	79.3
87	24.8	20.2	30.4
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 279.047 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3371875

Ion Ratio Lower Upper

43 100

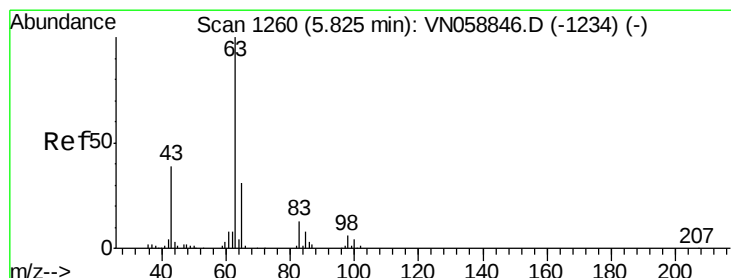
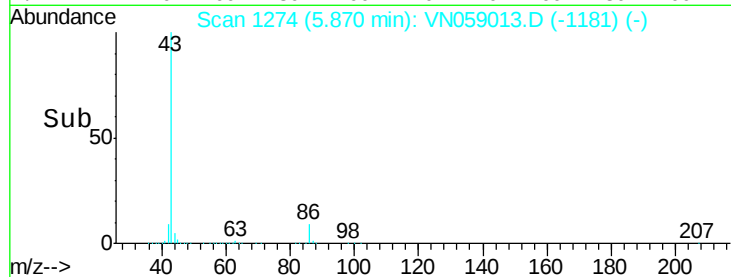
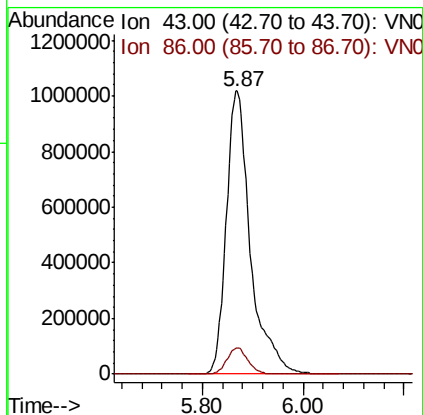
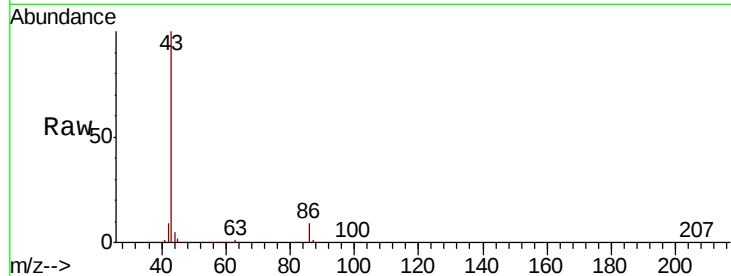
86 9.2 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.356 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

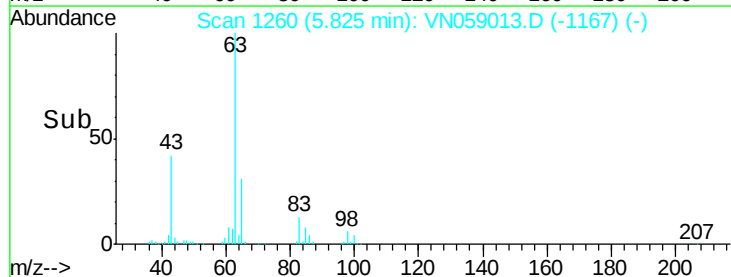
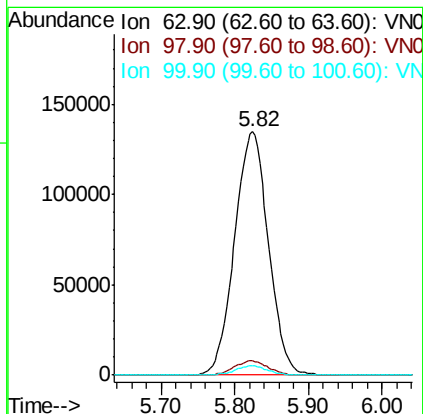
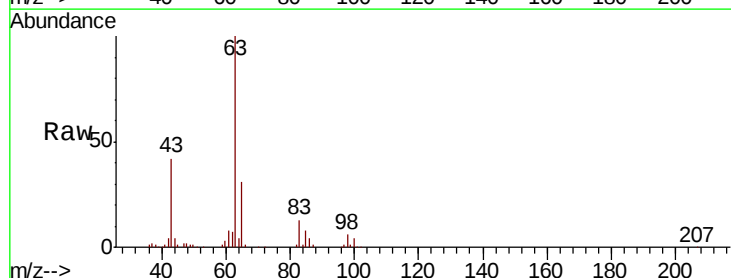
Tgt Ion: 63 Resp: 430427

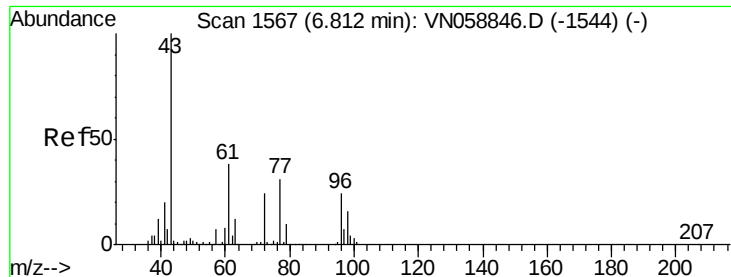
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 271.428 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 984295

Ion Ratio Lower Upper

43 100

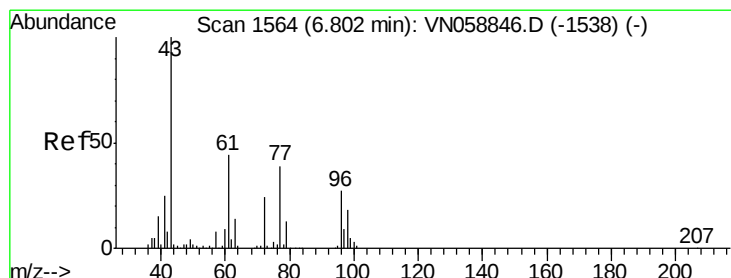
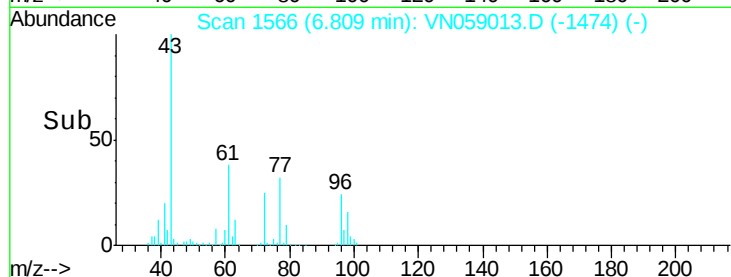
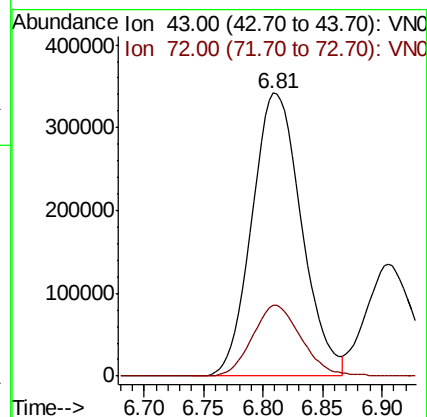
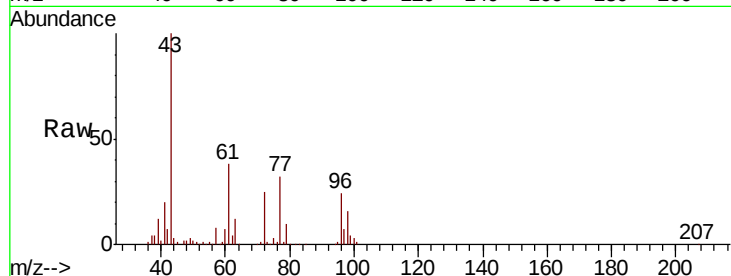
72 25.2 19.1 28.7

Manual Integrations

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10/30/2019 3:53:49 PM



#26

2,2-Dichloropropane

Concen: 49.354 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059013.D

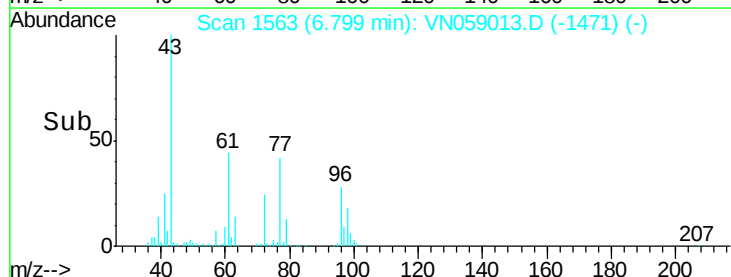
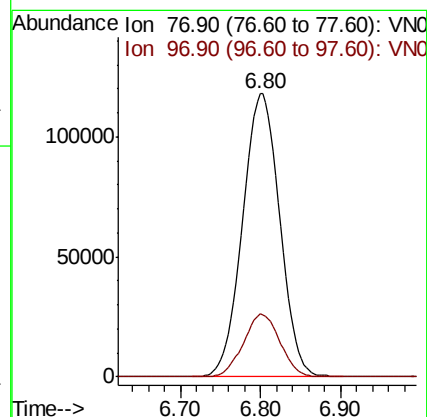
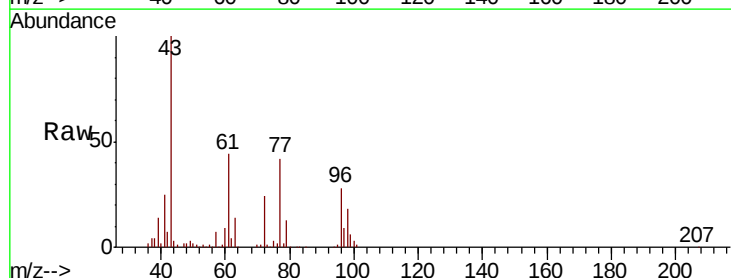
Acq: 29 Oct 2019 16:07

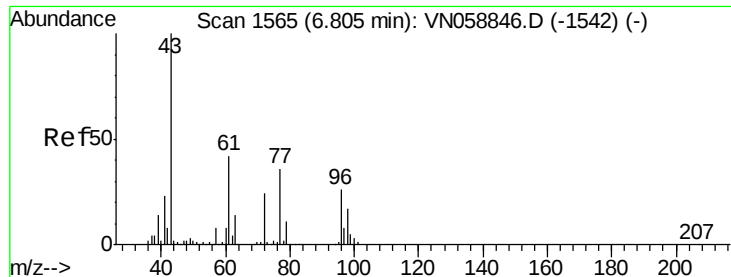
Tgt Ion: 77 Resp: 372290

Ion Ratio Lower Upper

77 100

97 21.8 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.049 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

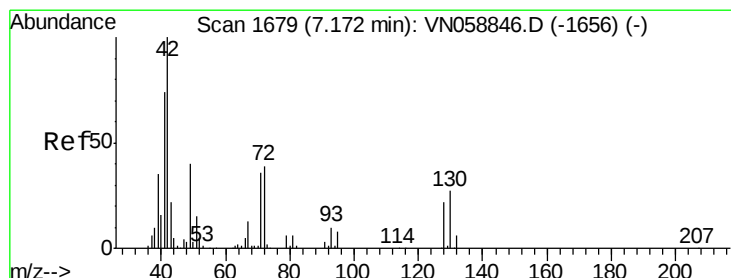
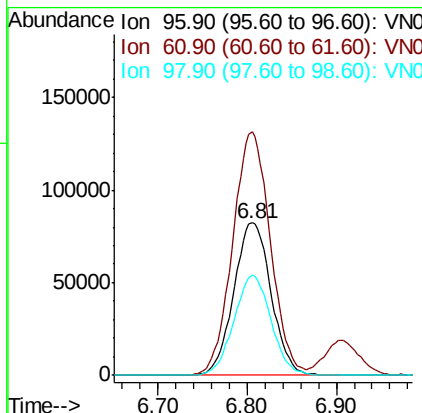
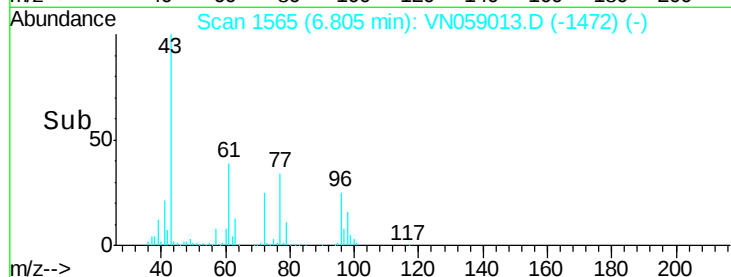
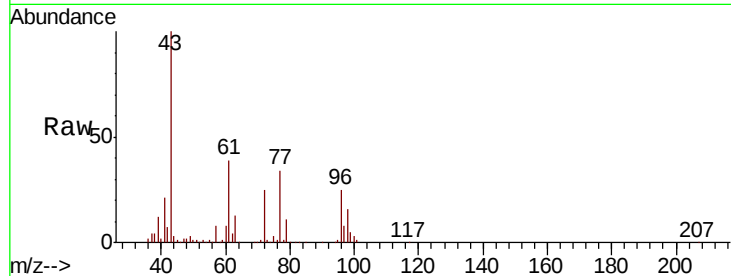
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	239927
Ion Ratio	Lower	Upper	
96	100		
61	160.5	0.0	325.0
98	65.2	0.0	128.0

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#28

Bromochloromethane

Concen: 50.066 ug/l

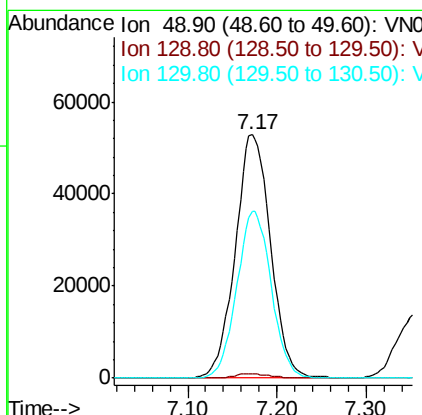
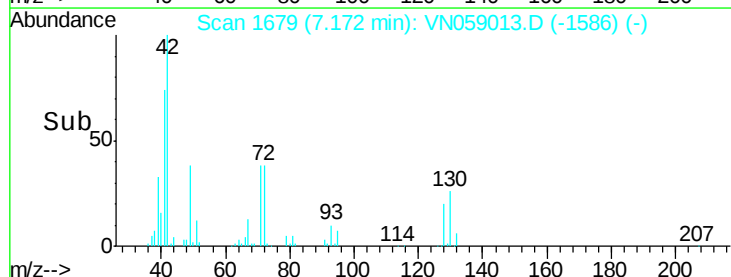
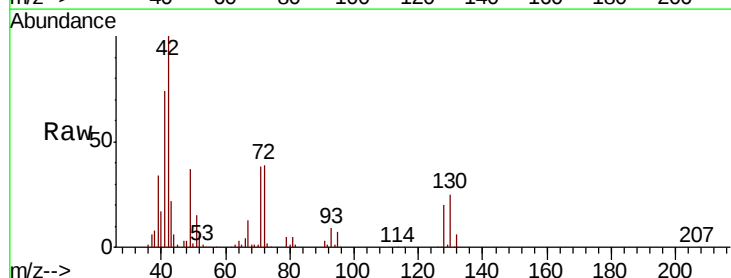
RT: 7.17 min Scan# 1679

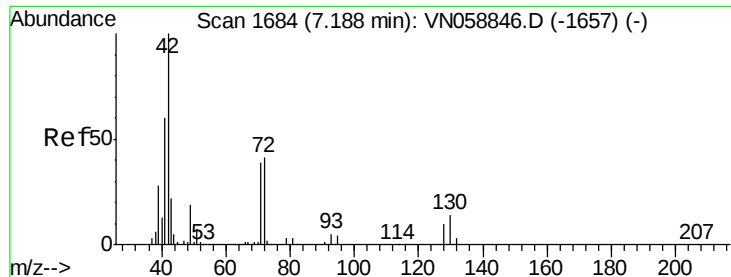
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	49	Resp:	145411
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	3.2
130	66.7	53.5	80.3





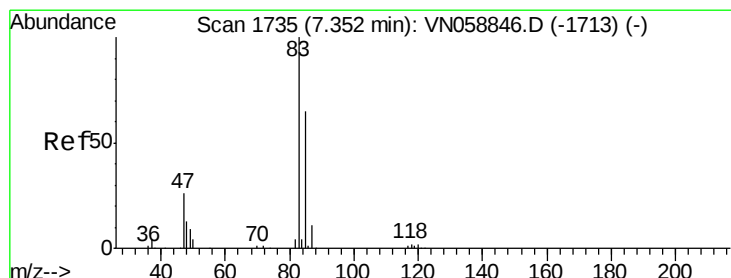
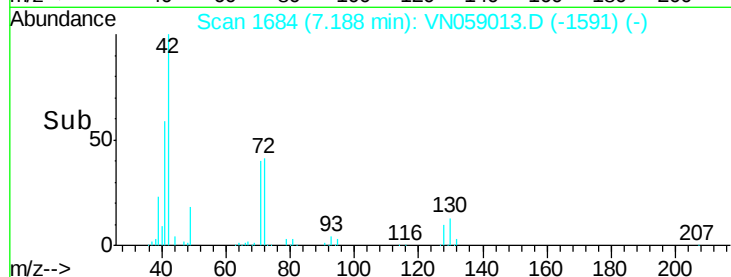
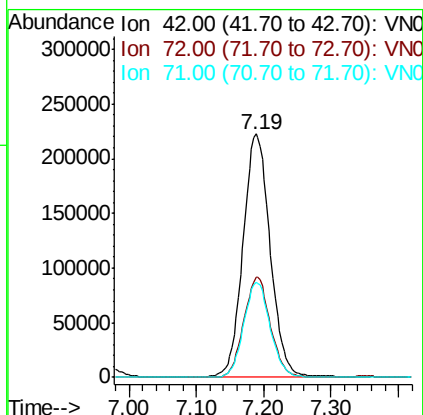
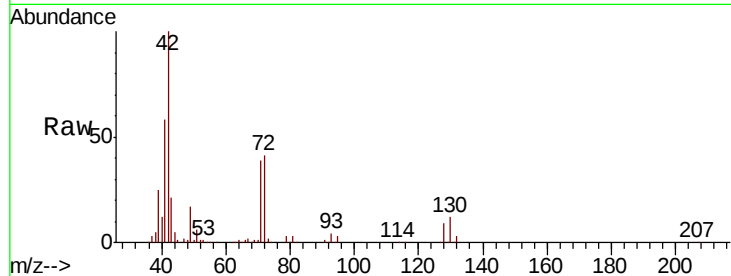
#29
Tetrahydrofuran
Concen: 280.684 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	38.1	30.6	45.8

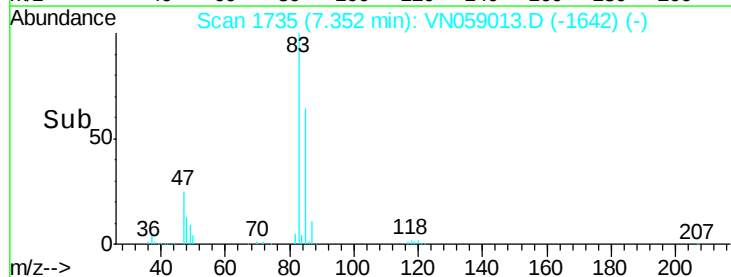
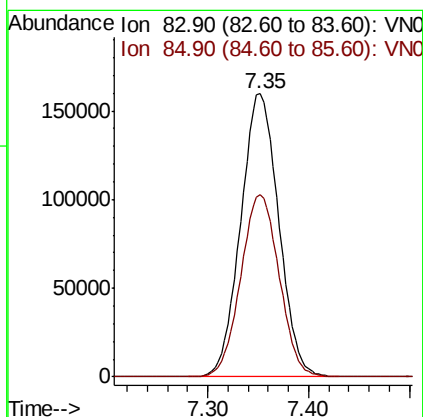
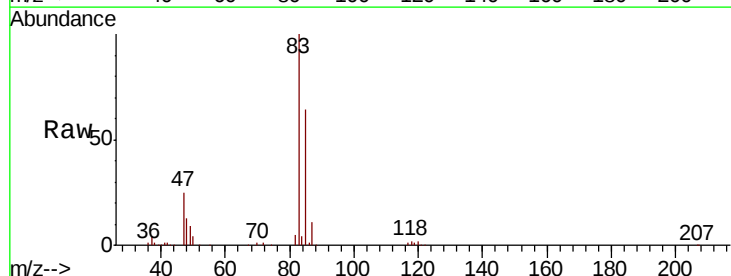
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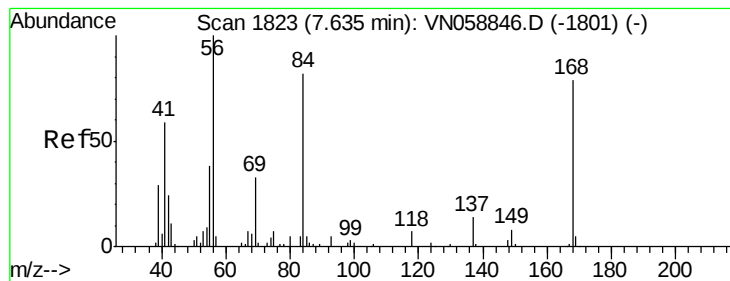
MMDadoda
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#30
Chloroform
Concen: 47.689 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9





#31

Cyclohexane

Concen: 45.149 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 366810

Ion Ratio Lower Upper

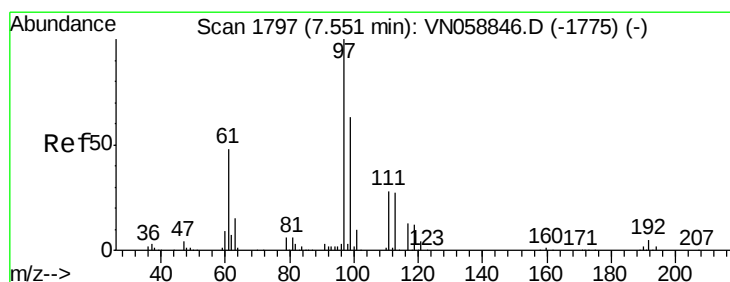
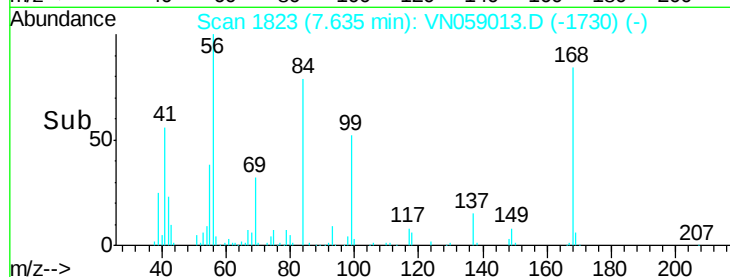
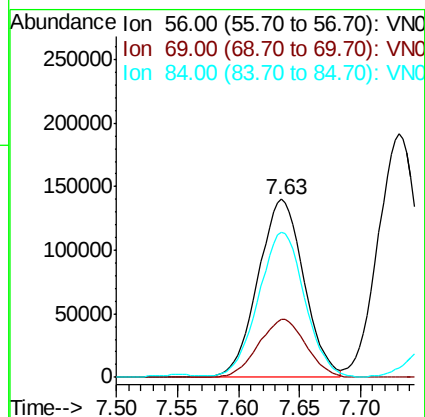
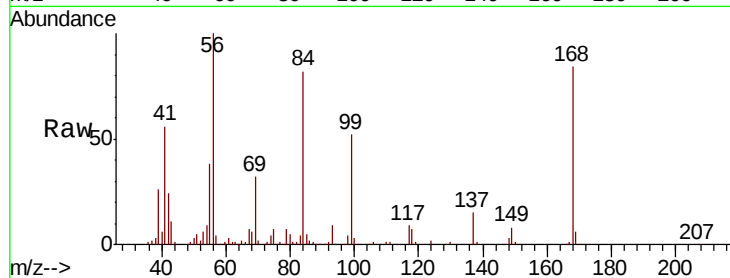
56 100

69 32.4 26.2 39.4

84 80.5 65.6 98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.608 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

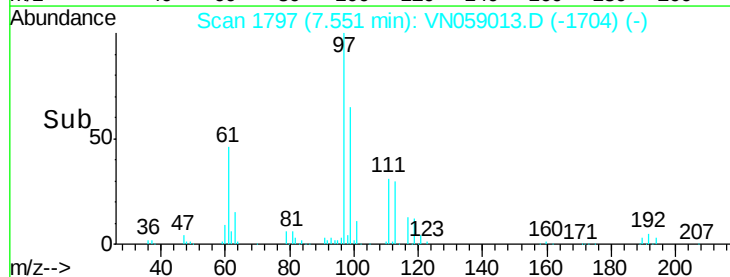
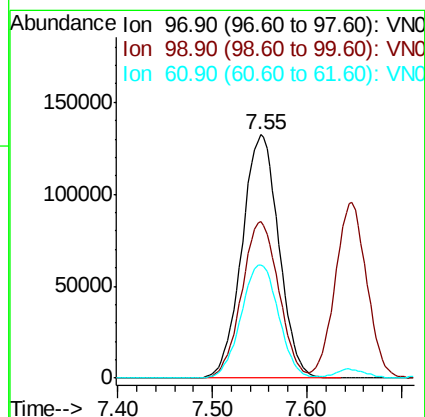
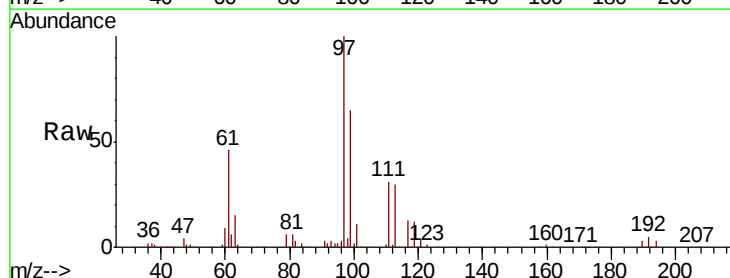
Tgt Ion: 97 Resp: 358416

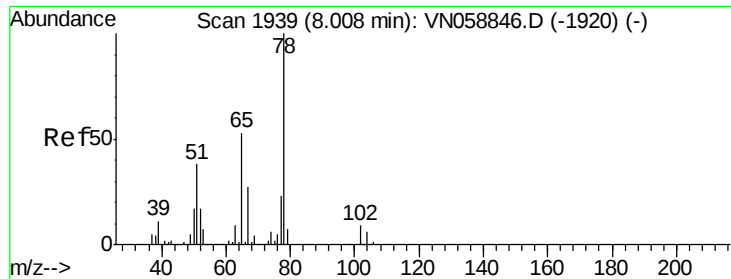
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 47.3 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 48.064 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 271724

Ion Ratio Lower Upper

65 100

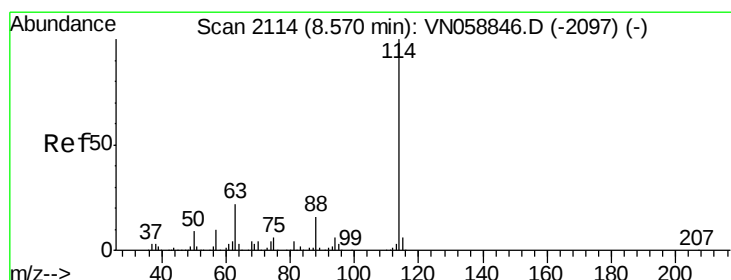
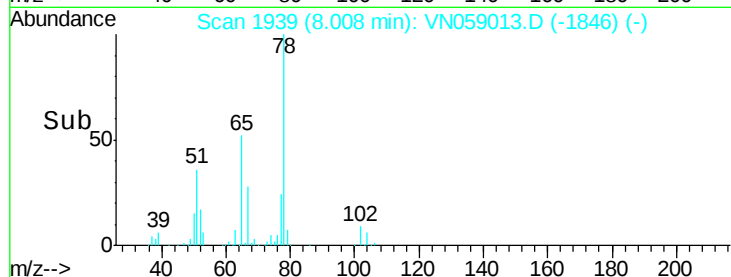
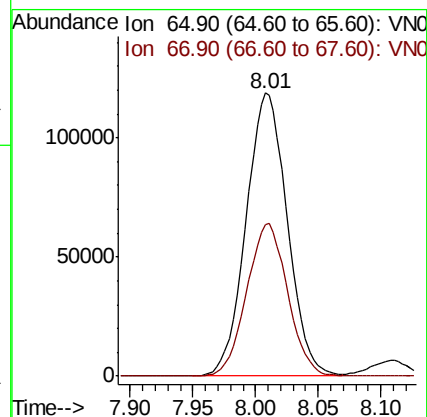
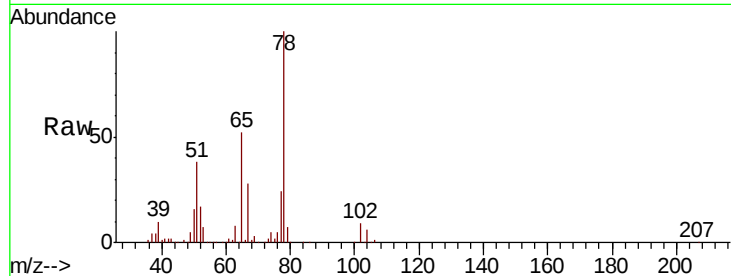
67 53.6 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

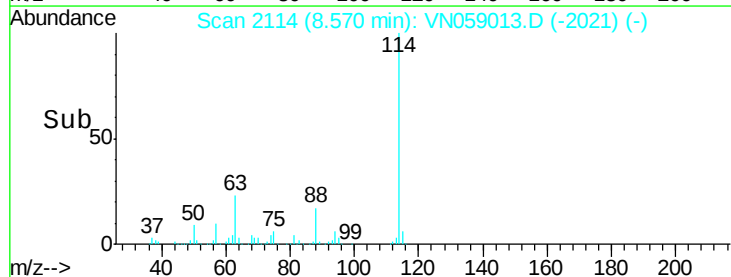
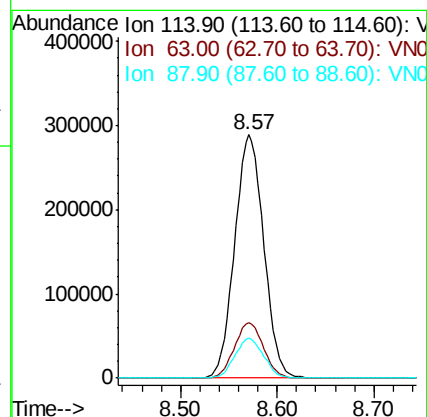
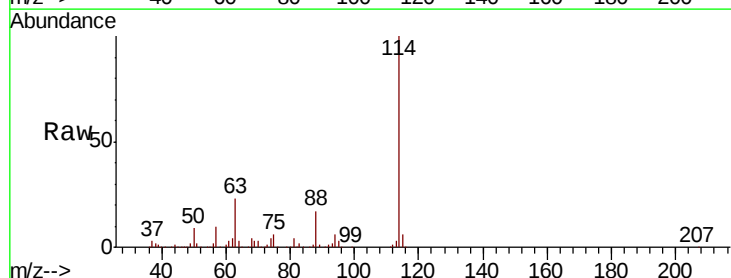
Tgt Ion: 114 Resp: 602576

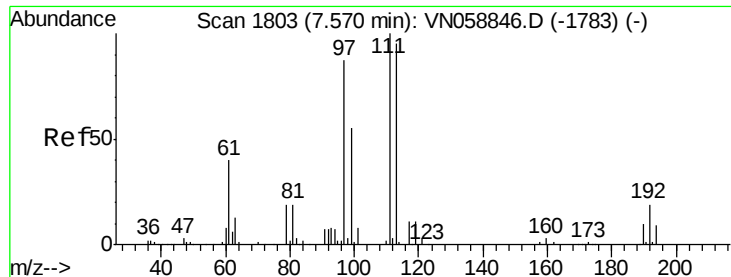
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

88 16.5 0.0 31.4





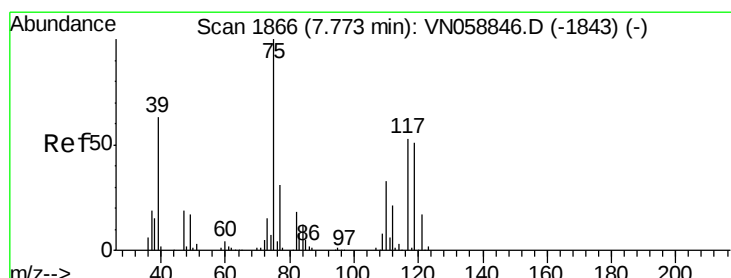
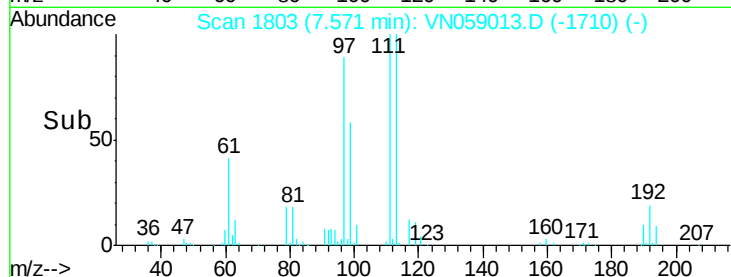
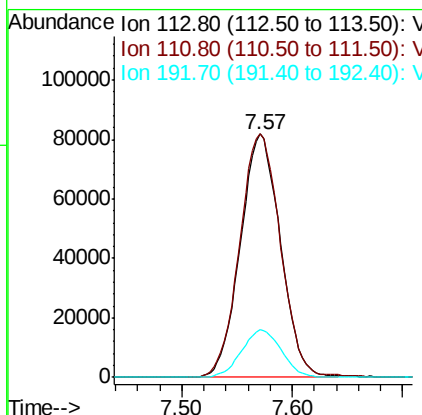
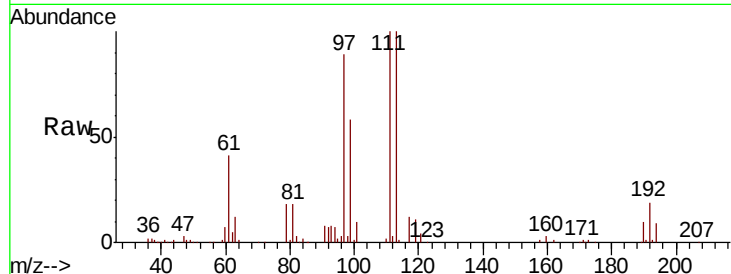
#35
Dibromofluoromethane
Concen: 51.902 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205626		
111	102.0	82.0	123.0	
192	19.3	15.0	22.6	

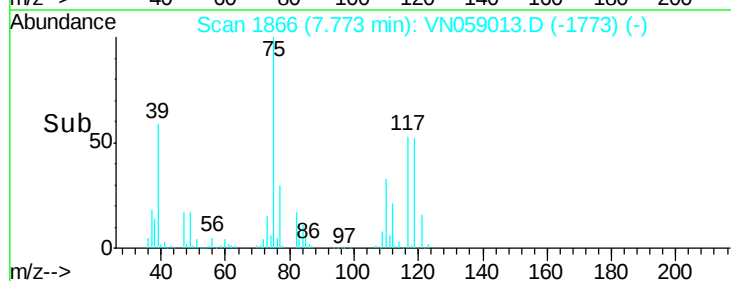
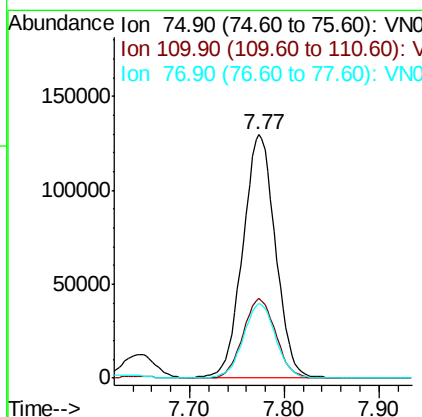
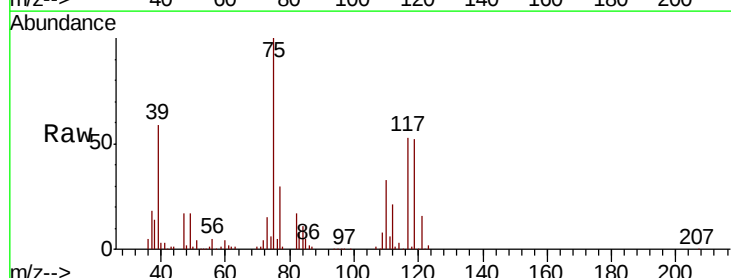
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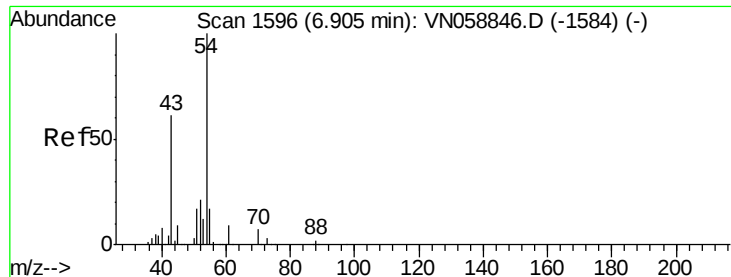
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#36
1,1-Dichloropropene
Concen: 50.006 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308492		
110	32.8	16.3	48.9	
77	30.8	24.6	36.8	





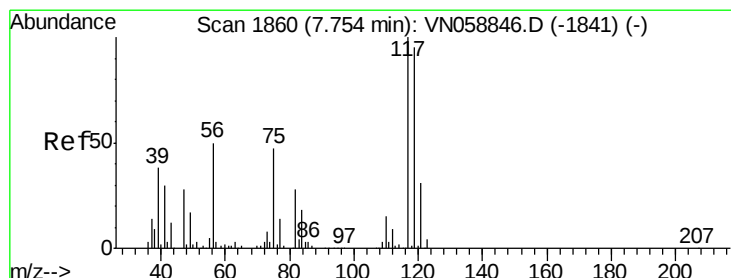
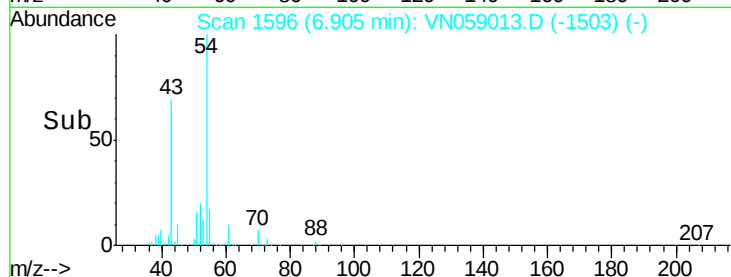
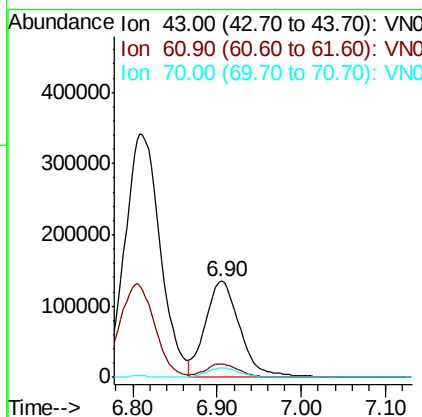
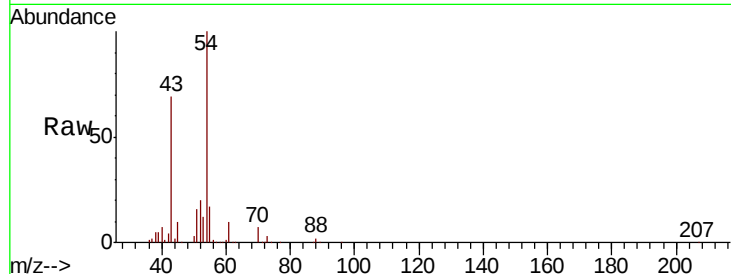
#37
Ethyl Acetate
Concen: 56.520 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.6	7.6	11.4

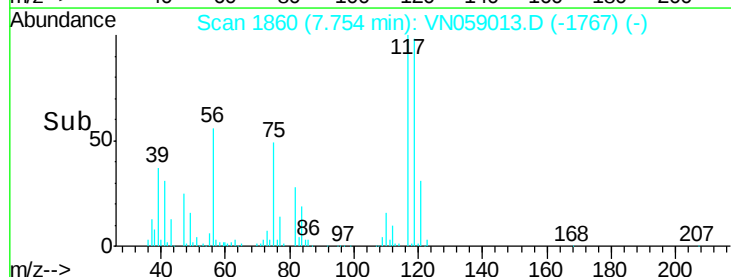
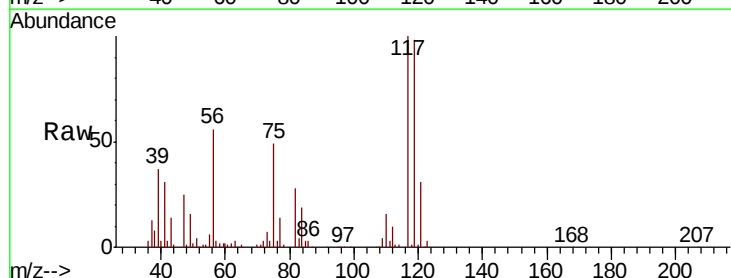
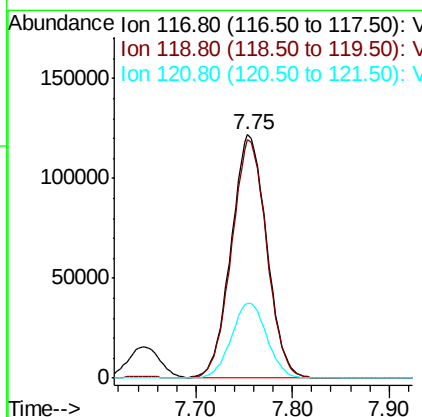
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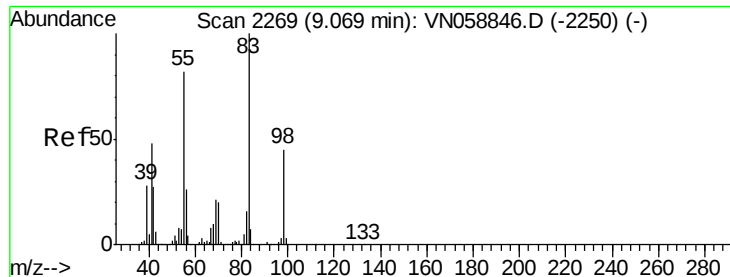
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#38
Carbon Tetrachloride
Concen: 48.919 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.7	113.5
121	30.5	25.0	37.6





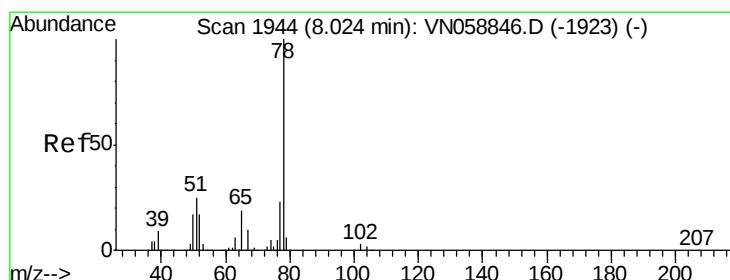
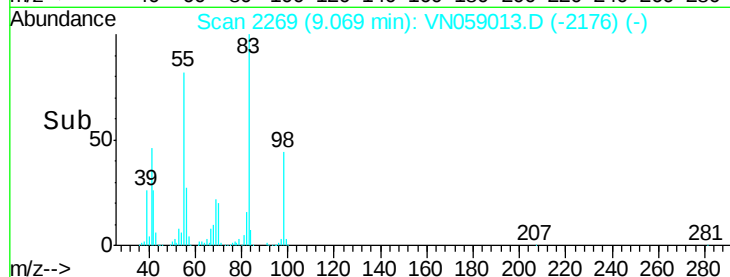
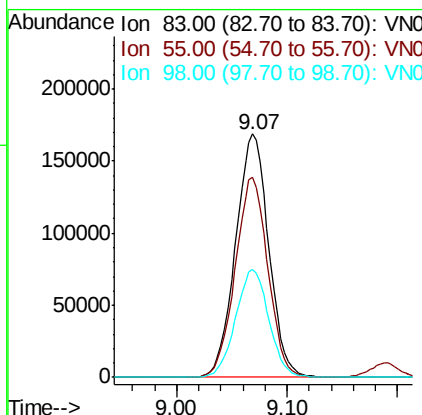
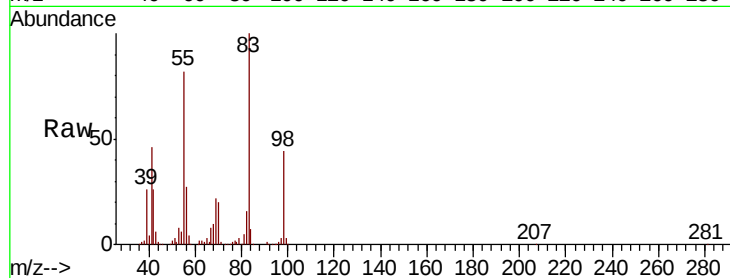
#39
Methvlcvclohexane
Concen: 50.541 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	65.5	98.3
98	44.3	35.7	53.5

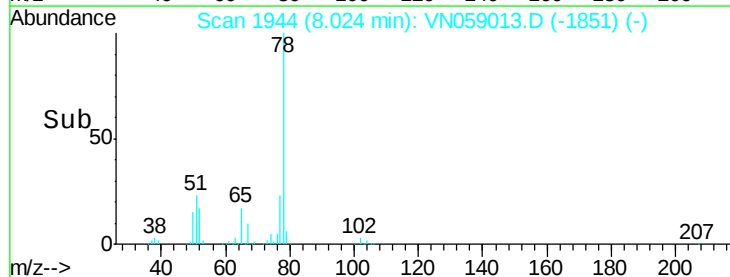
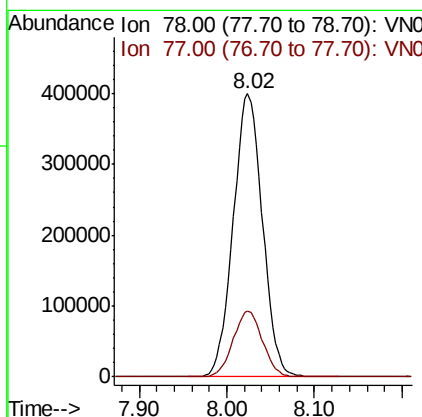
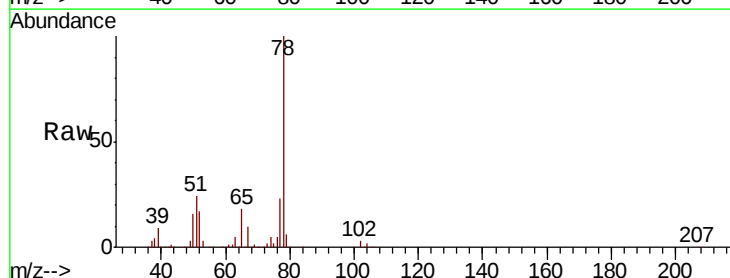
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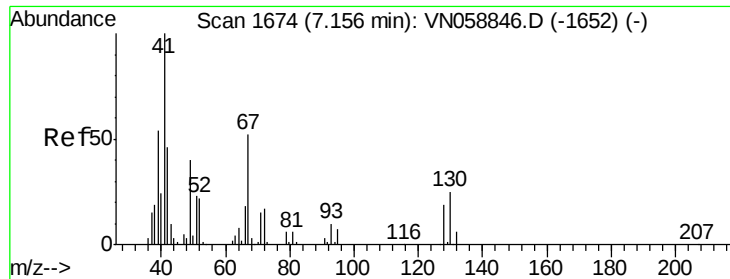
MMDadoda
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#40
Benzene
Concen: 51.216 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.2





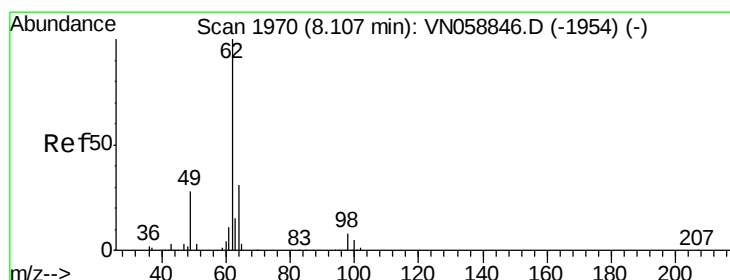
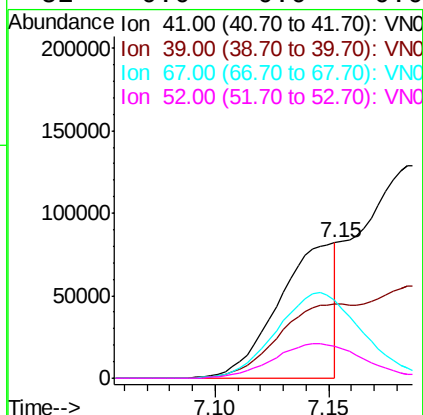
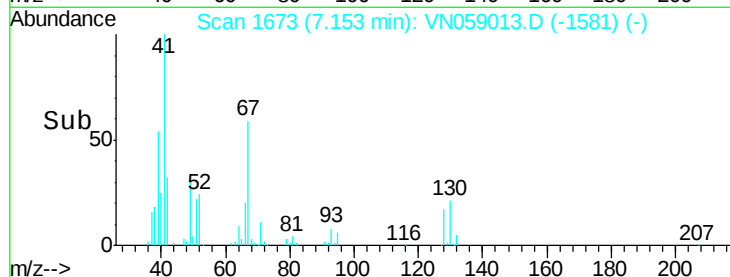
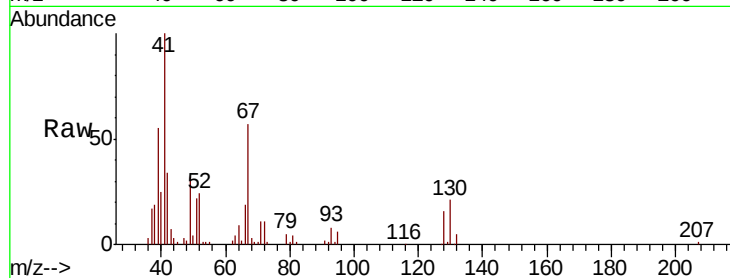
#41
Methacrylonitrile
Concen: 47.994 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

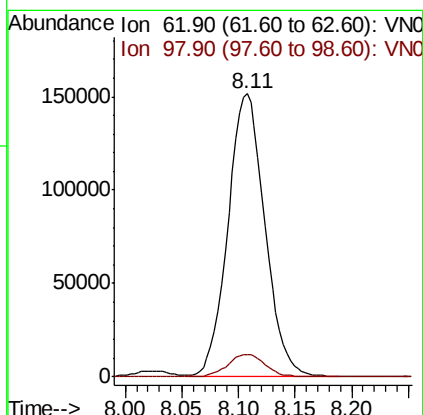
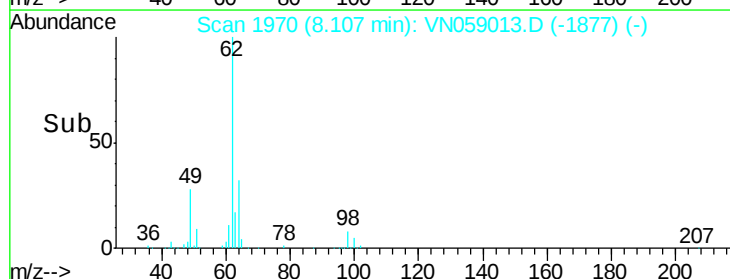
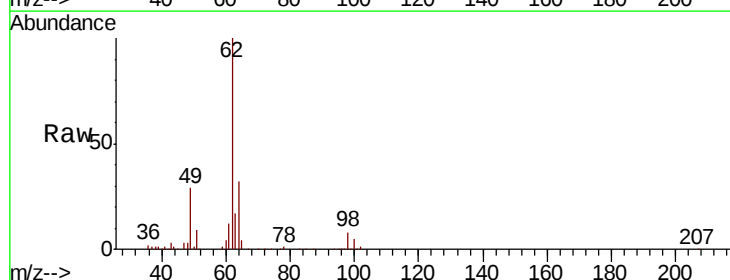
Manual Integrations
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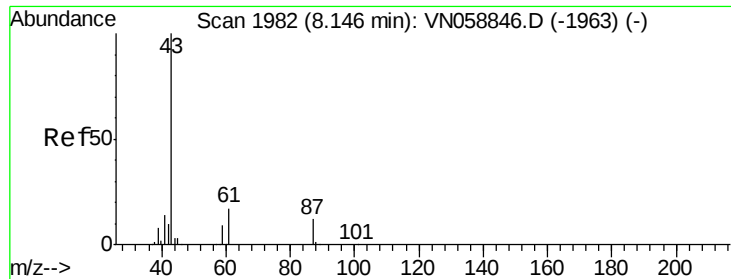
MMDadoda
10/30/2019 3:53:49 PM



#42
1,2-Dichloroethane
Concen: 49.163 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 55.103 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

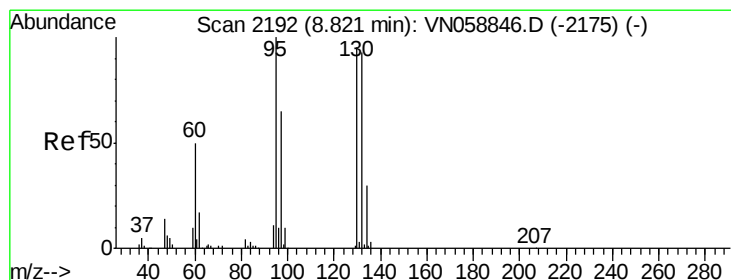
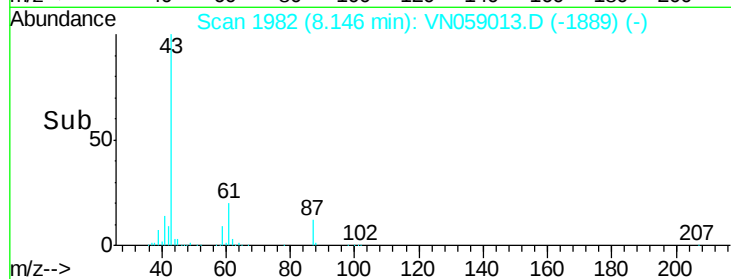
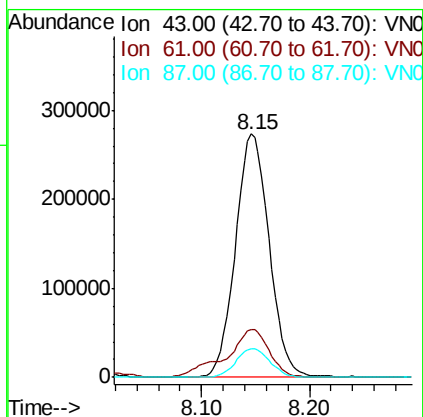
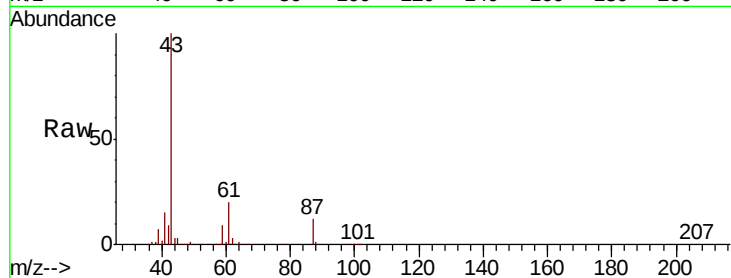
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	594041
Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.2
87	11.9	9.5	14.3

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#44

Trichloroethene

Concen: 50.614 ug/l

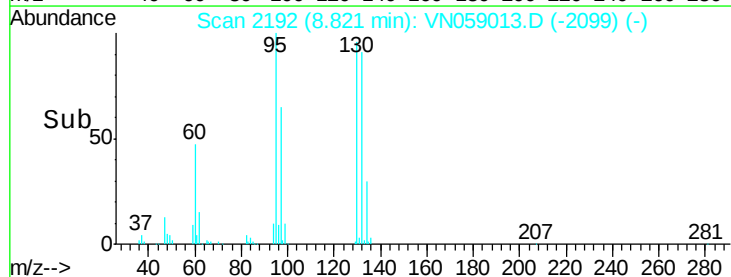
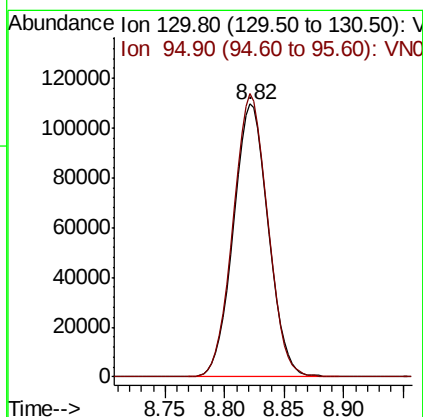
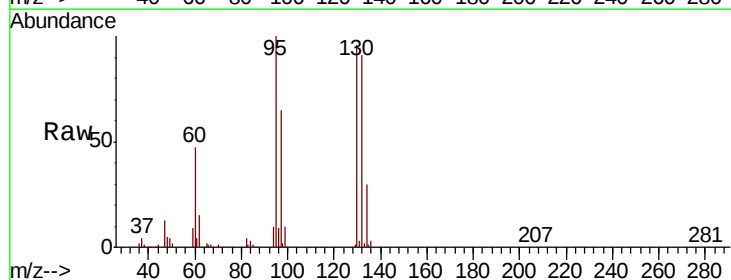
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	130	Resp:	223353
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	209.6





#45

1,2-Dichloropropane

Concen: 51.990 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 258260

Ion Ratio Lower Upper

63 100

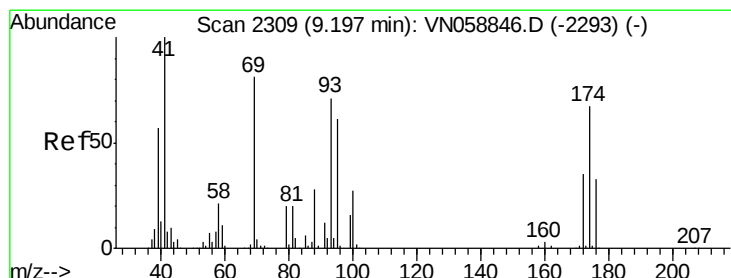
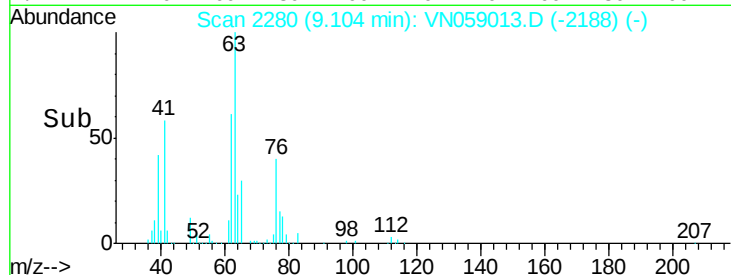
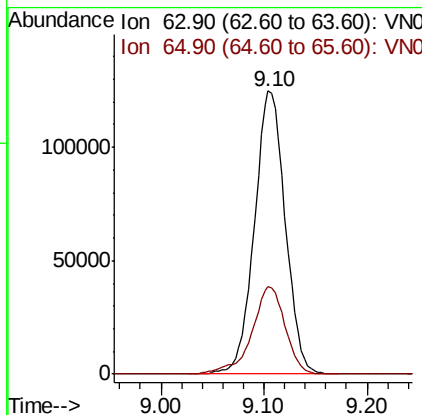
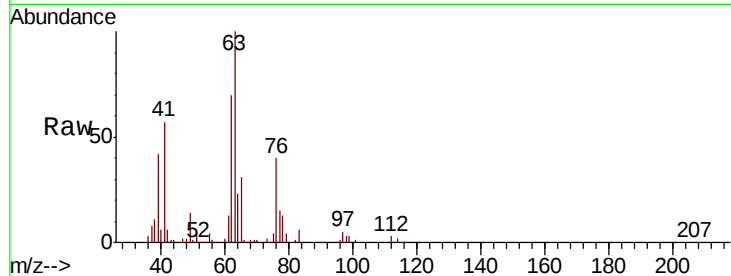
65 30.7 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 51.133 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

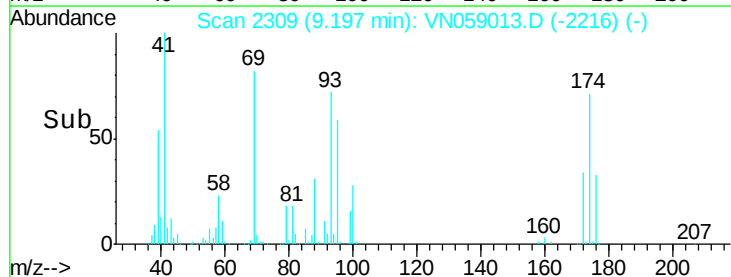
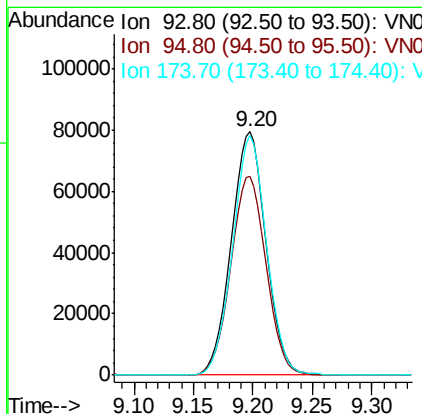
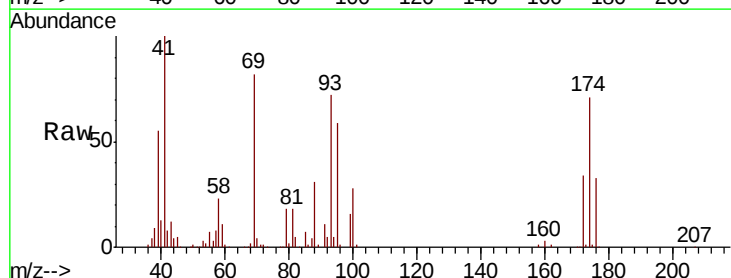
Tgt Ion: 93 Resp: 160577

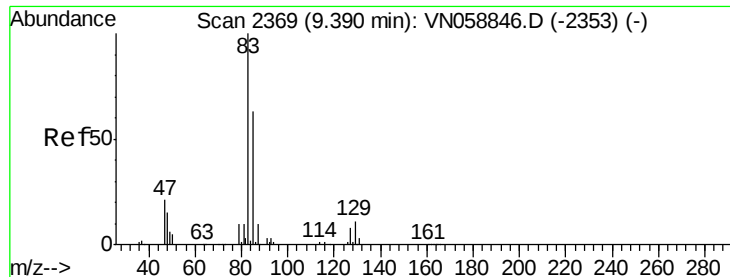
Ion Ratio Lower Upper

93 100

95 83.1 67.6 101.4

174 96.1 74.1 111.1





#47

Bromodichloromethane

Concen: 51.585 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

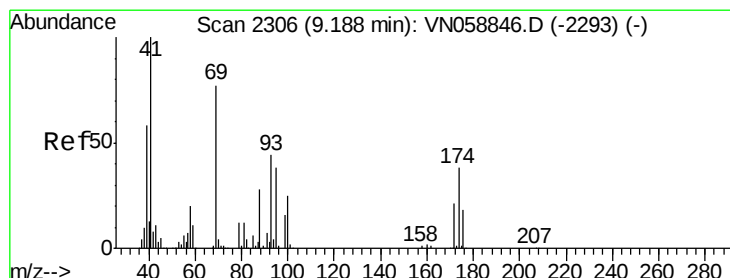
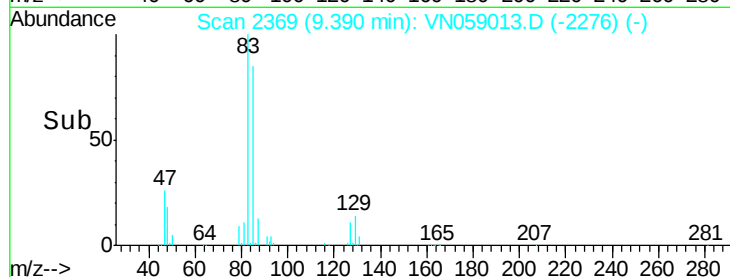
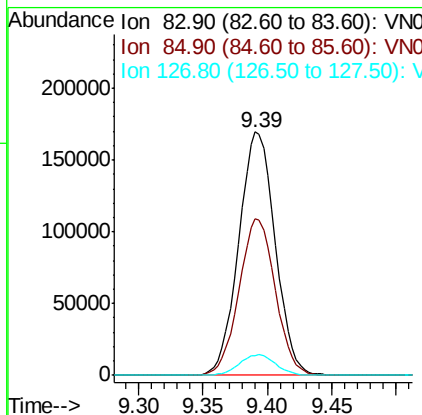
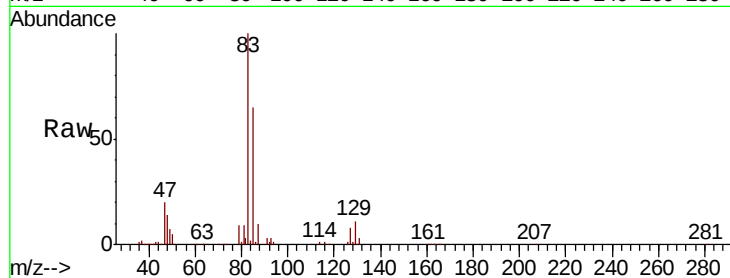
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	333884
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.6	75.8
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.835 ug/l

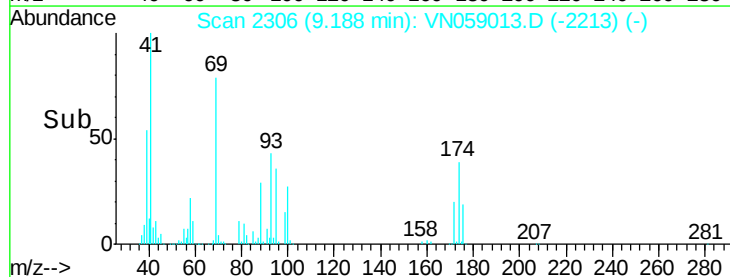
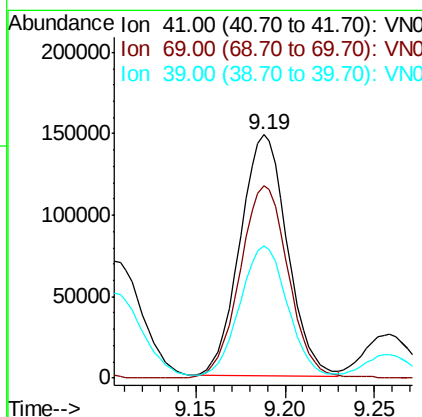
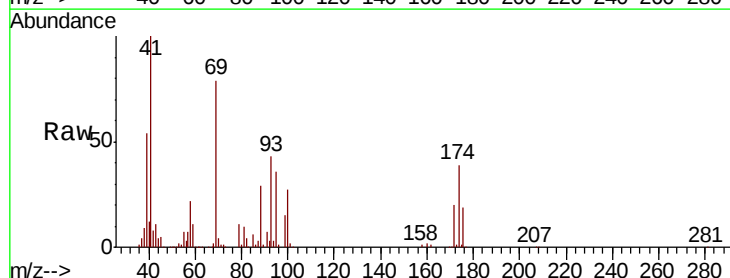
RT: 9.19 min Scan# 2306

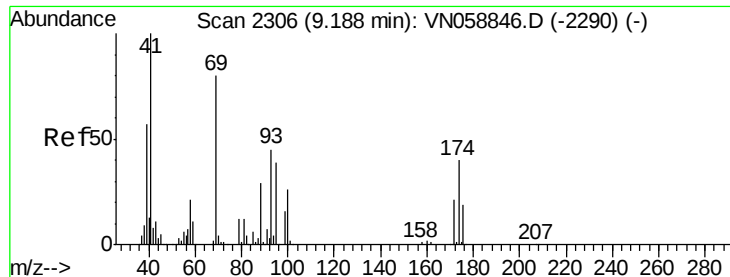
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	41	Resp:	273098
Ion Ratio	Lower	Upper	
41	100		
69	82.4	63.8	95.6
39	56.0	47.8	71.8





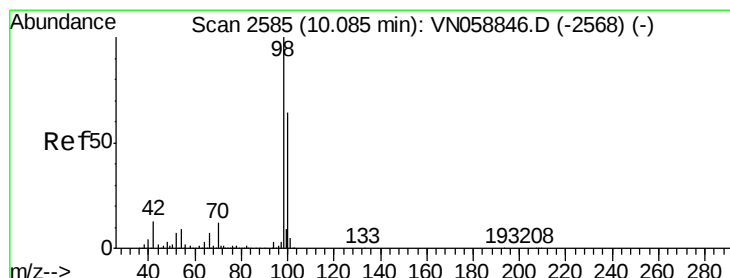
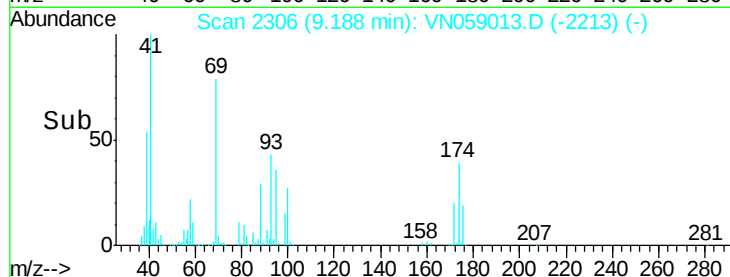
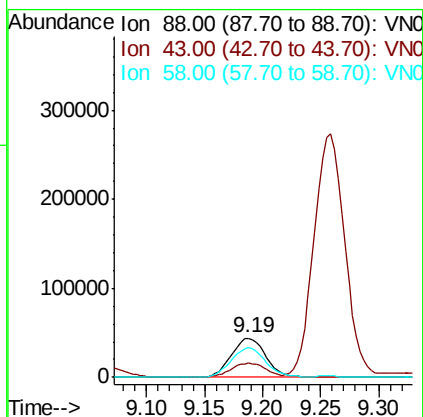
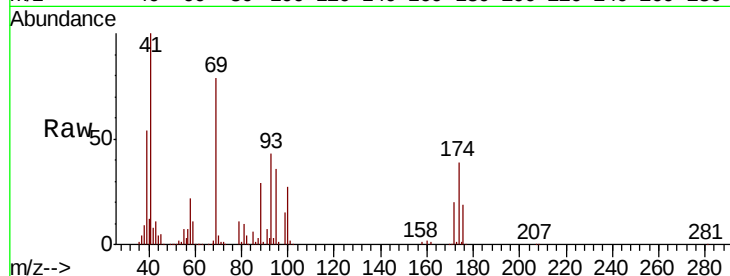
#49
1,4-Dioxane
Concen: 1131.827 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.1	43.7
58	75.6	59.4	89.0

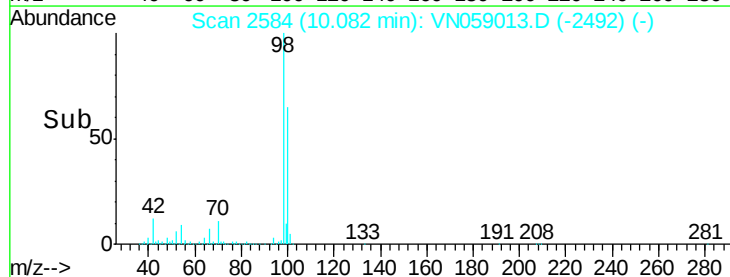
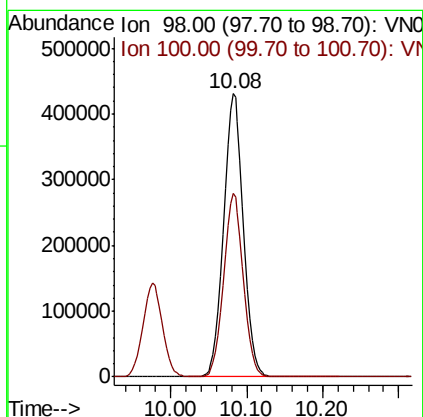
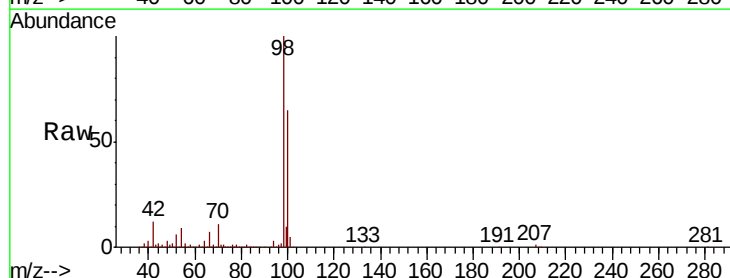
Manual Integrations
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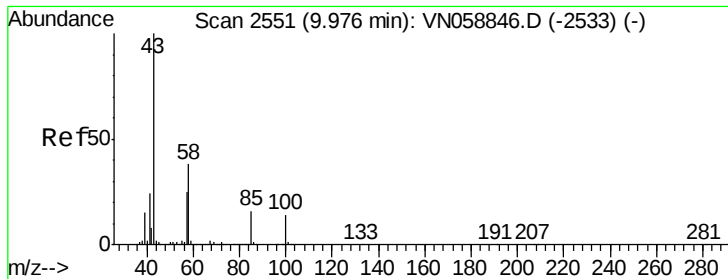
MMDadoda
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#50
Toluene-d8
Concen: 50.597 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 306.085 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1927380

Ion Ratio Lower Upper

43 100

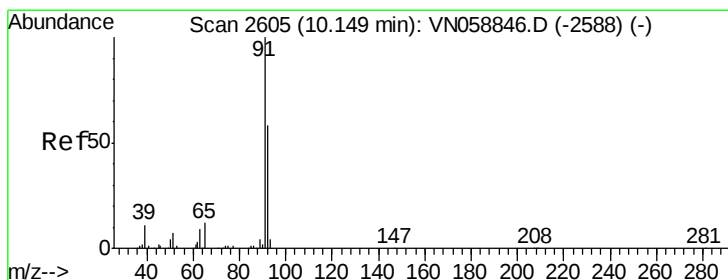
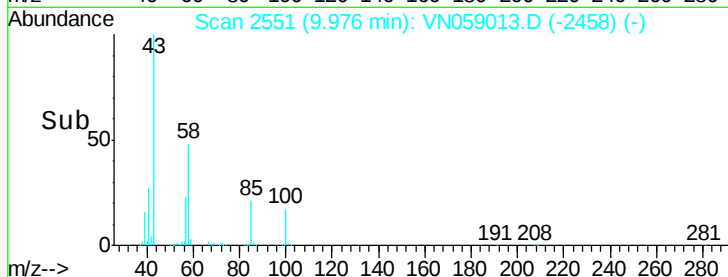
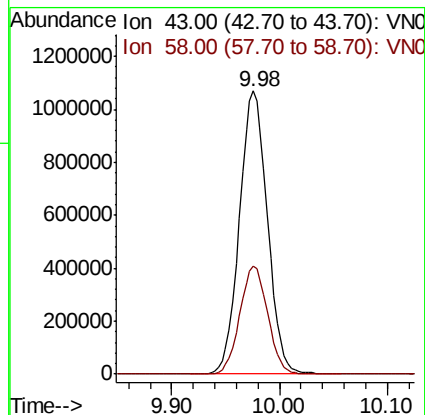
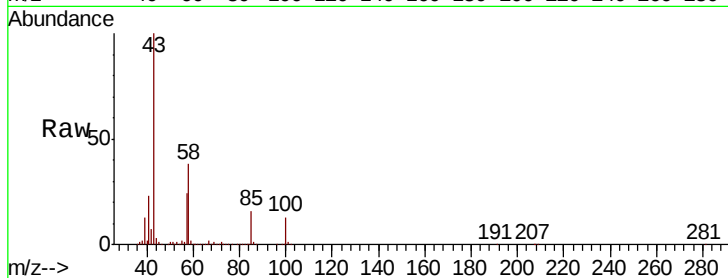
58 38.1 29.9 44.9

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#52

Toluene

Concen: 52.836 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059013.D

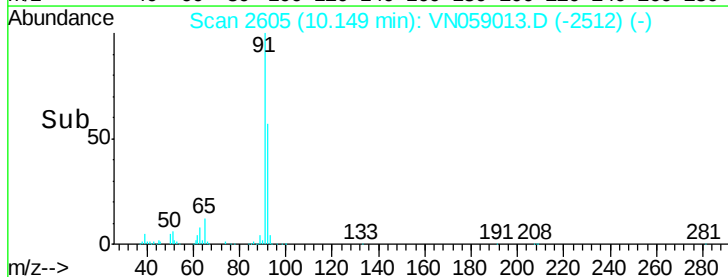
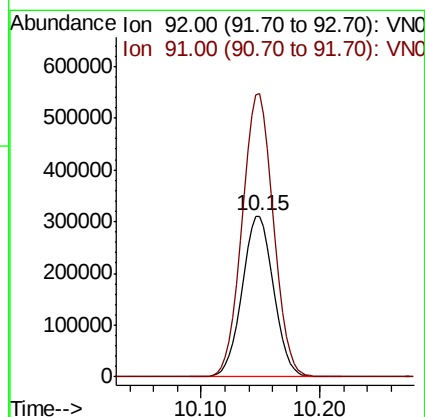
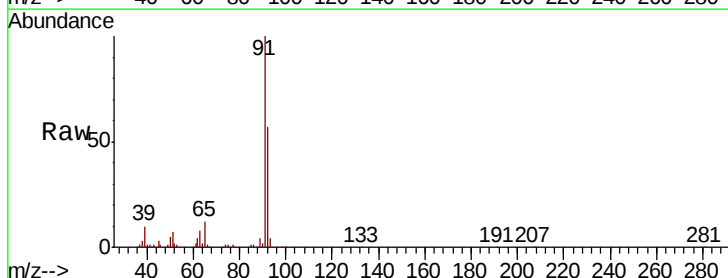
Acq: 29 Oct 2019 16:07

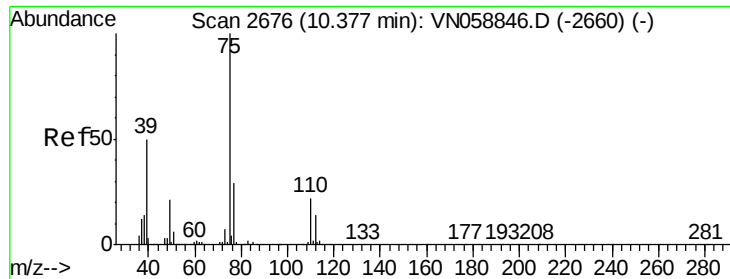
Tgt Ion: 92 Resp: 567600

Ion Ratio Lower Upper

92 100

91 175.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 53.740 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 385057

Ion Ratio Lower Upper

75 100

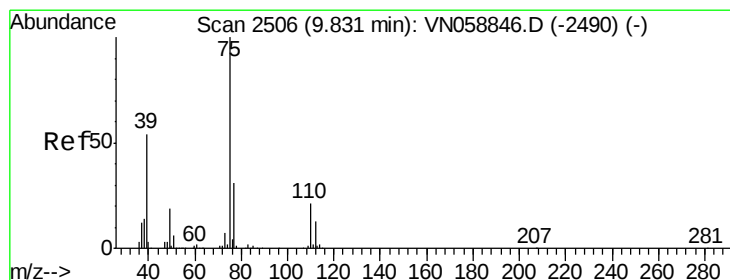
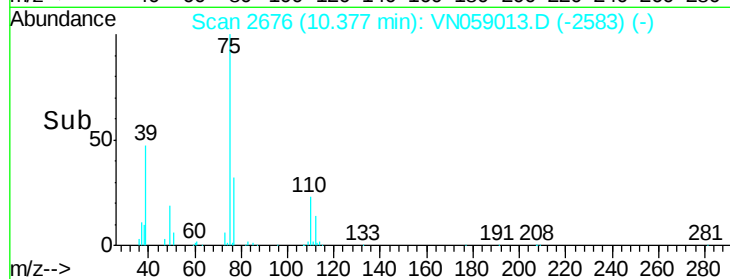
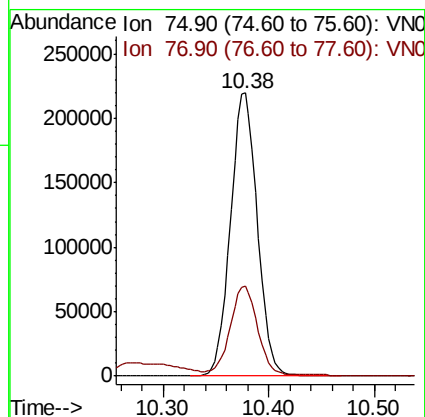
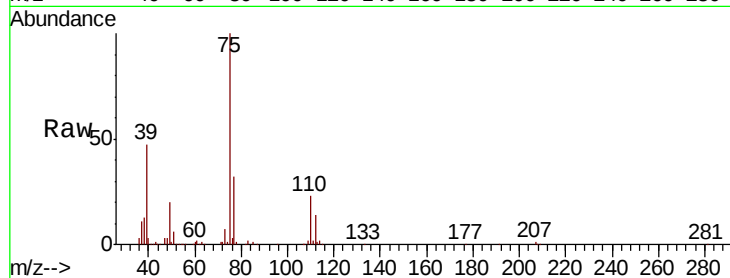
77 31.4 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.295 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

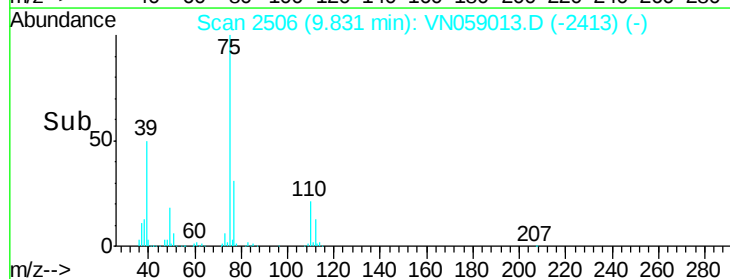
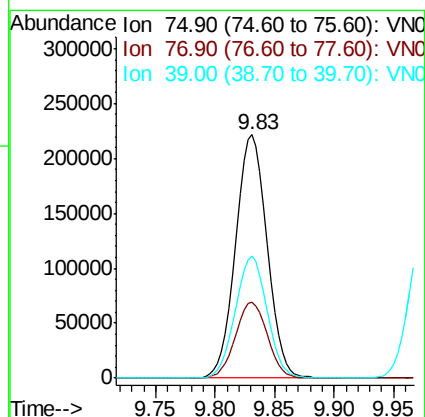
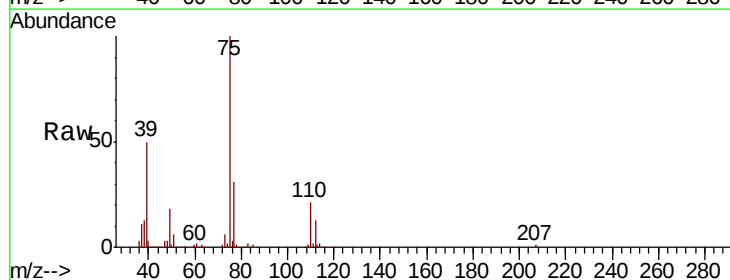
Tgt Ion: 75 Resp: 407978

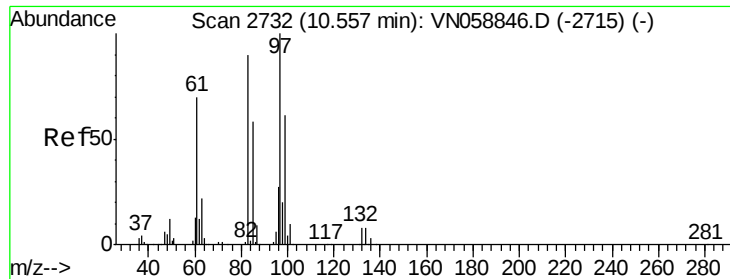
Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 49.9 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 52.599 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

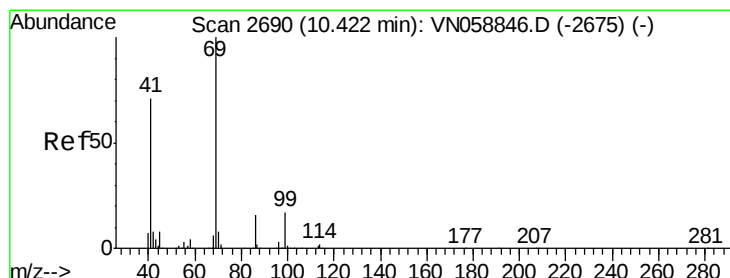
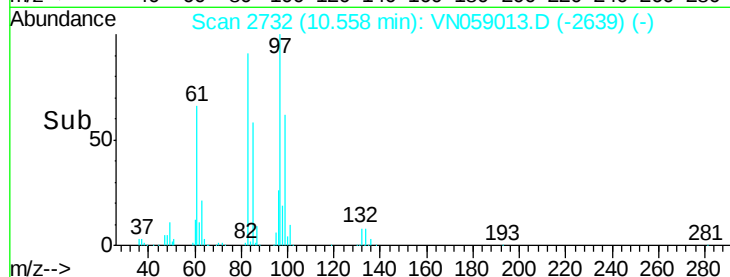
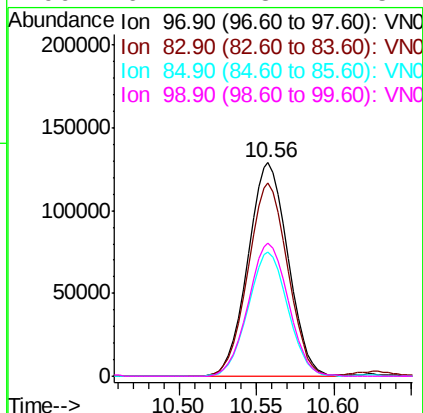
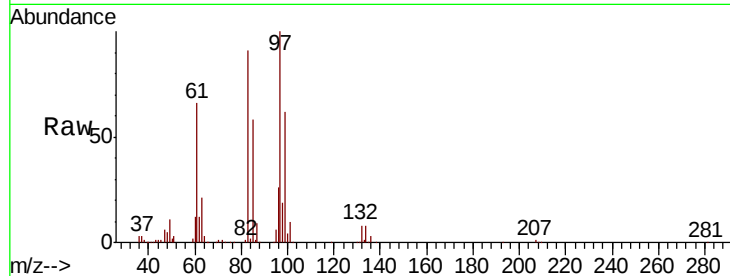
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	232778
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.2	108.4
85	58.0	46.2	69.2
99	62.1	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.050 ug/l

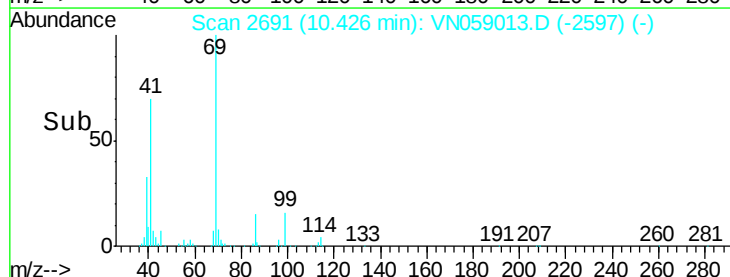
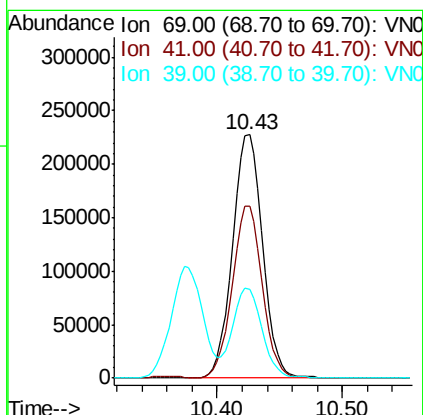
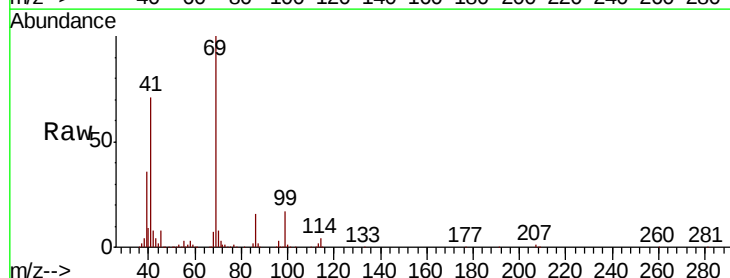
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	69	Resp:	379842
Ion	Ratio	Lower	Upper
69	100		
41	69.9	57.2	85.8
39	36.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.756 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 409772

Ion Ratio Lower Upper

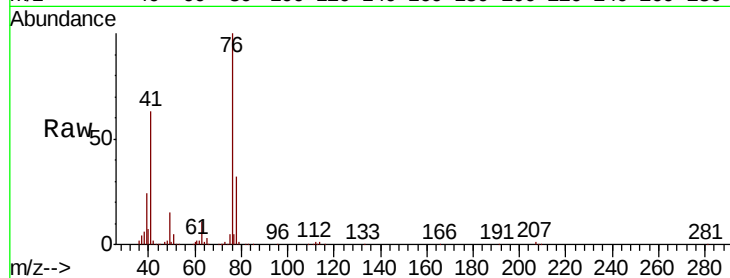
76 100

78 31.9 25.4 38.0

Manual Integrations
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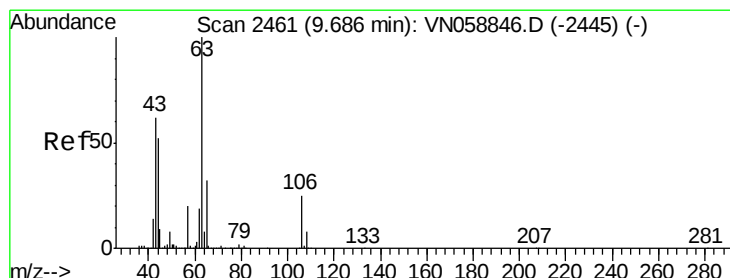
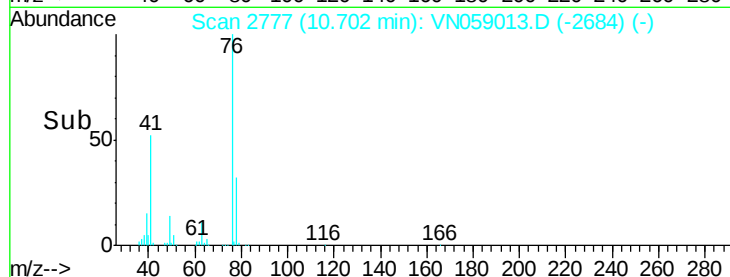
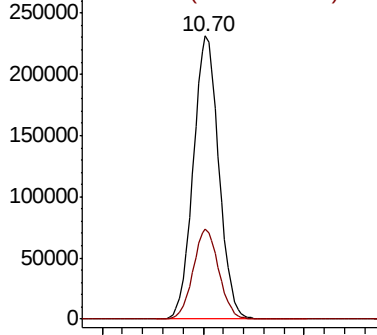
MMDadoda

10/30/2019 3:53:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 260.034 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059013.D

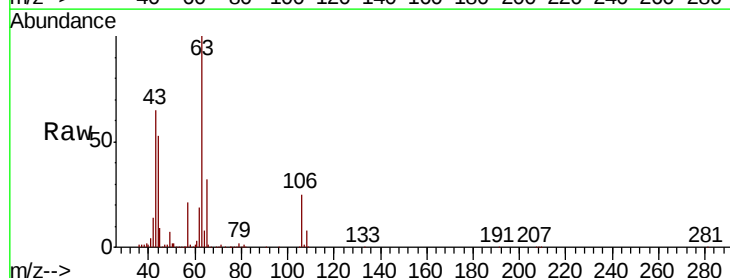
Acq: 29 Oct 2019 16:07

Tgt Ion: 63 Resp: 817013

Ion Ratio Lower Upper

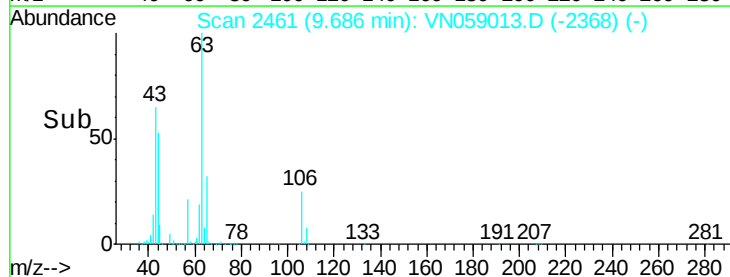
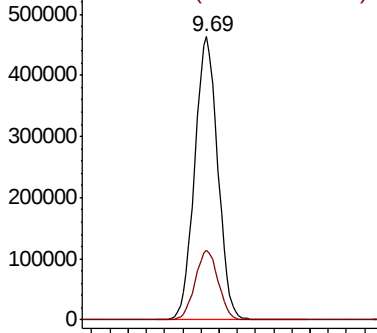
63 100

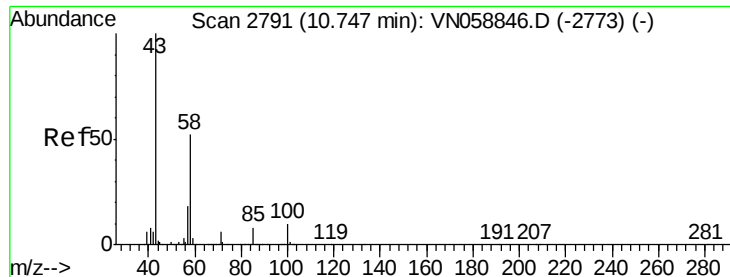
106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





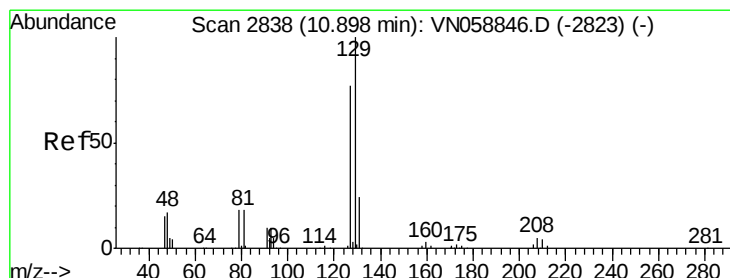
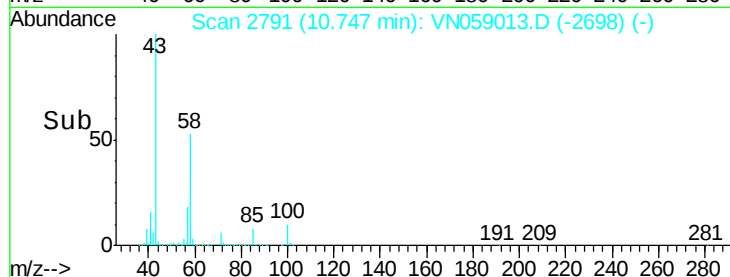
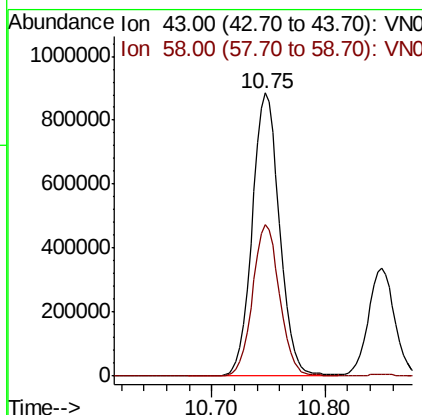
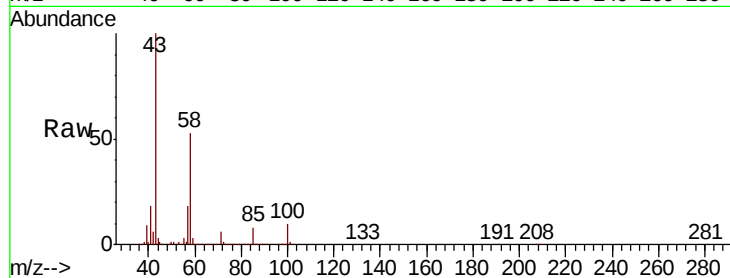
#59
2-Hexanone
Concen: 304.906 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1483610
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7

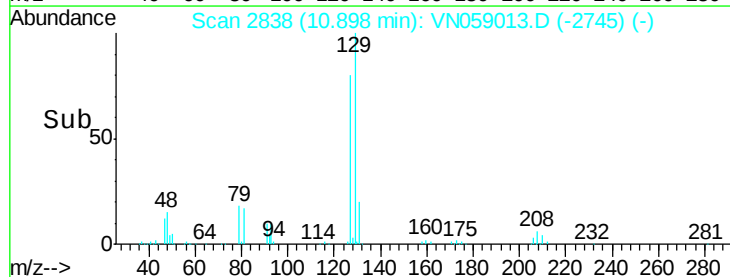
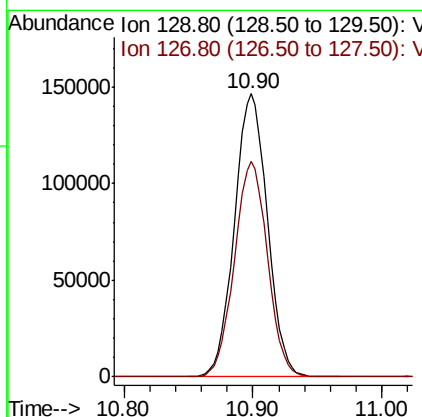
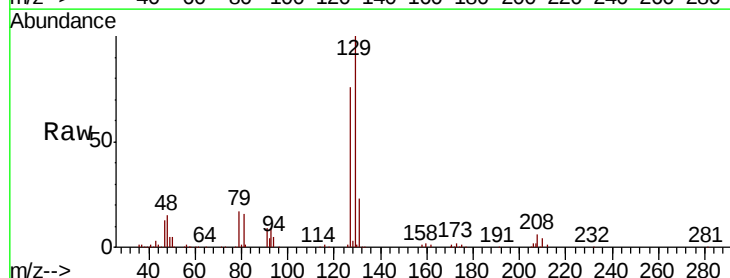
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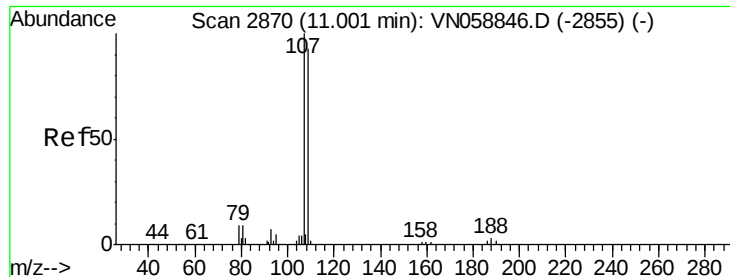
MMDadoda
10/30/2019 3:53:49 PM



#60
Dibromochloromethane
Concen: 54.700 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 129 Resp: 260559
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.3





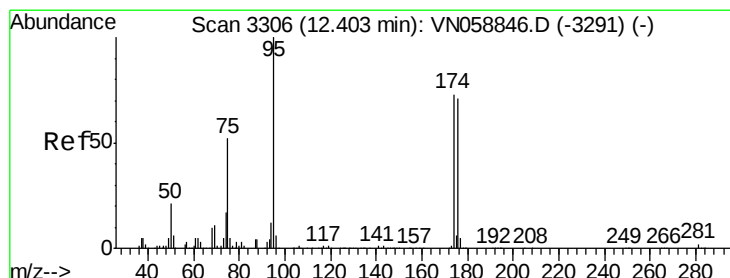
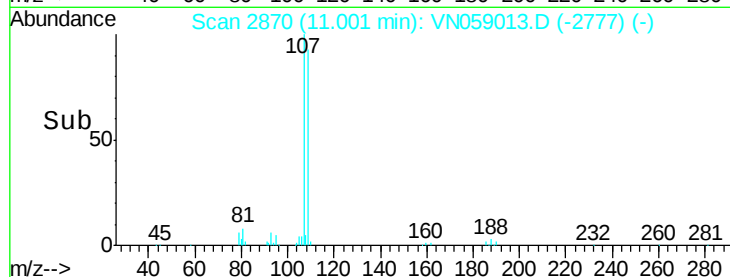
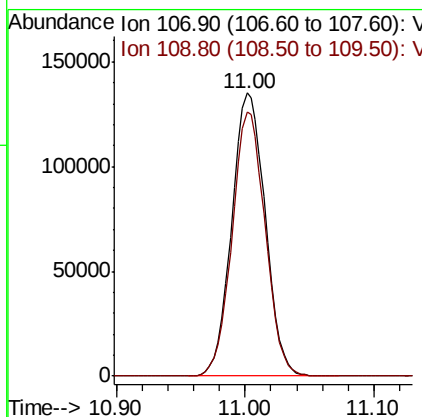
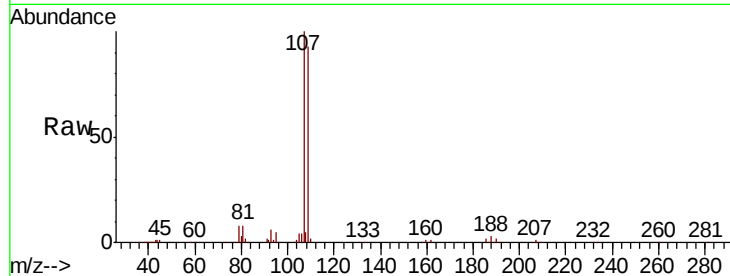
#61
 1,2-Dibromoethane
 Concen: 53.755 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.2	112.8

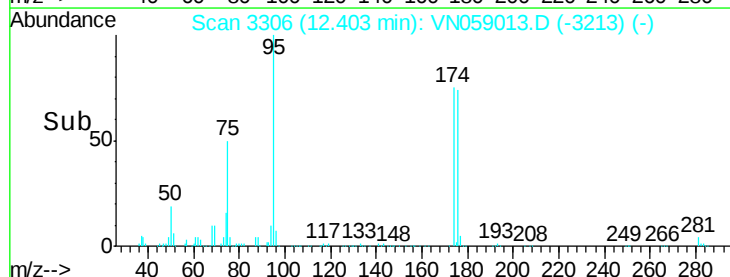
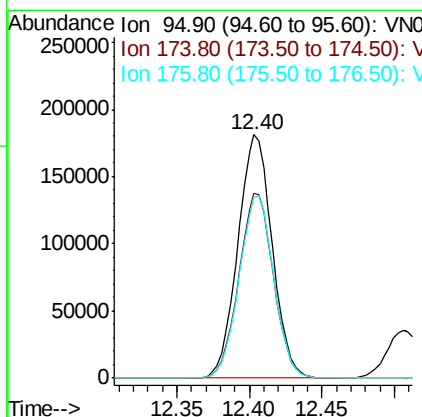
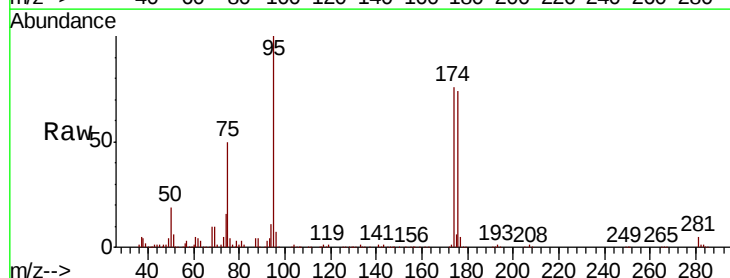
Manual Integrations
 APPROVED

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 10/30/2019 3:53:49 PM



#62
 4-Bromofluorobenzene
 Concen: 52.663 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	147.6
176	75.6	0.0	143.2





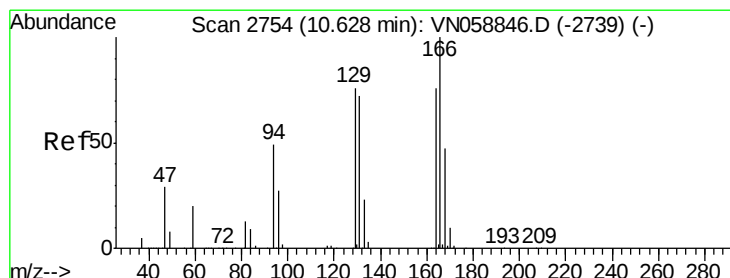
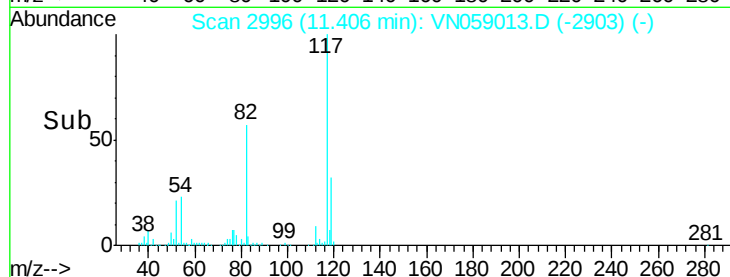
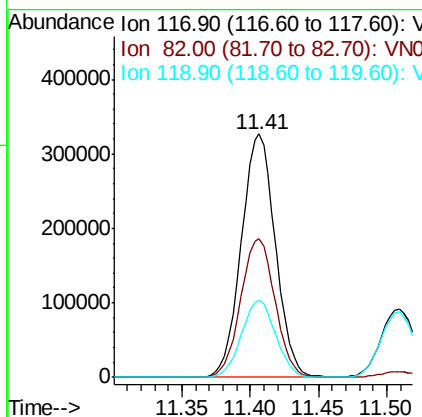
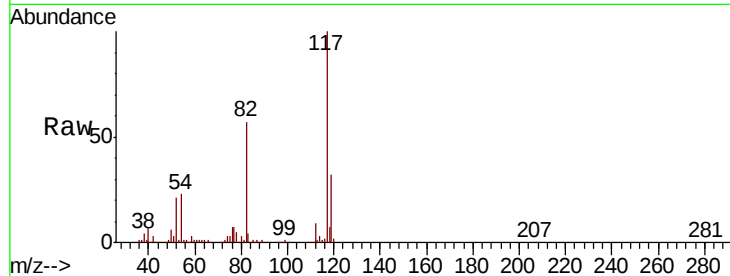
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.6	69.8
119	31.8	25.6	38.4

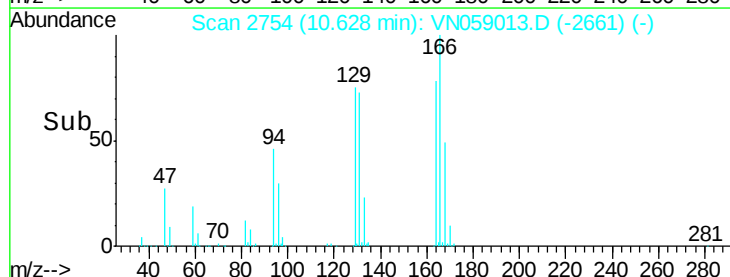
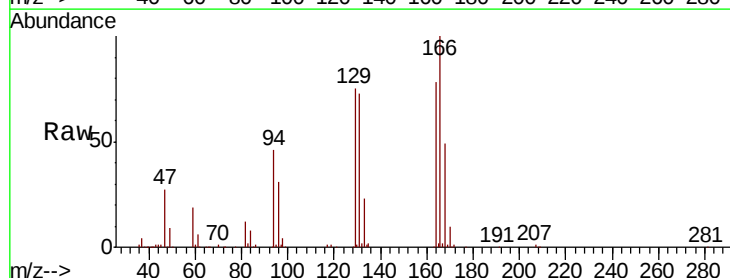
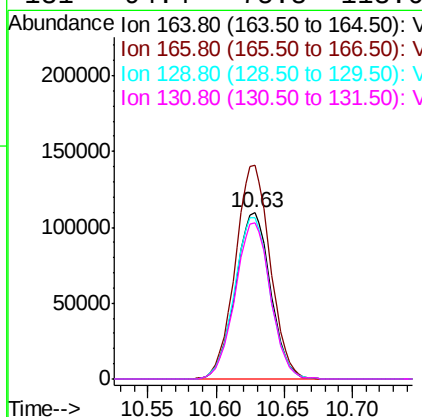
Manual Integrations
APPROVED

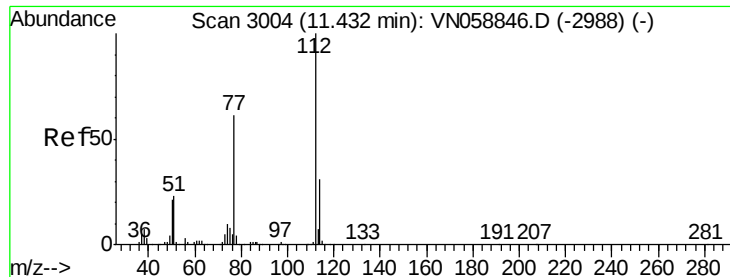
MMDadoda
10/30/2019 3:53:49 PM



#64
Tetrachloroethene
Concen: 49.741 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.8	157.2
129	97.1	79.3	118.9
131	94.4	75.8	113.6





#65

Chlorobenzene

Concen: 52.268 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 601671

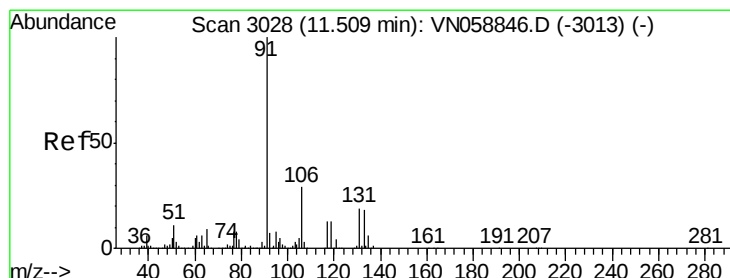
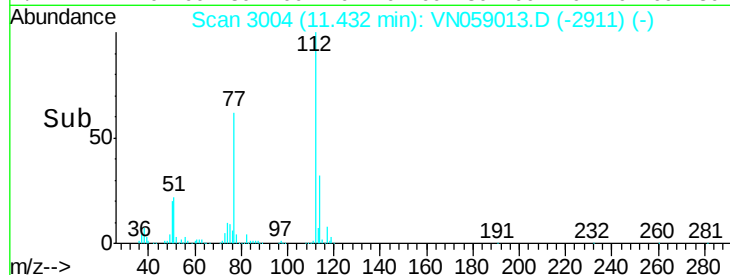
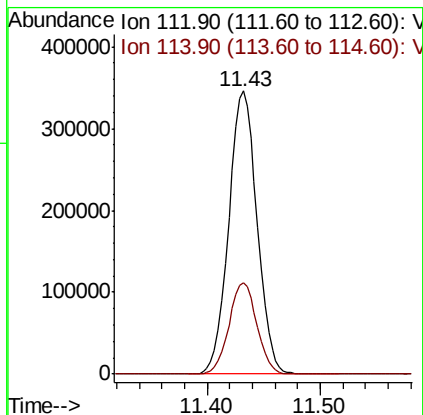
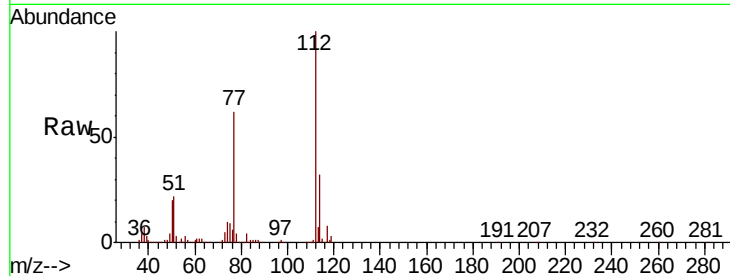
Ion Ratio Lower Upper

112 100

114 32.4 25.1 37.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.200 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

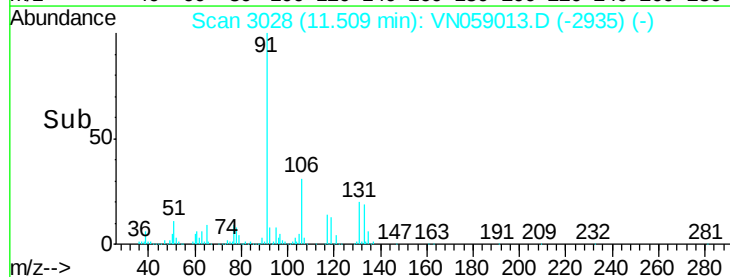
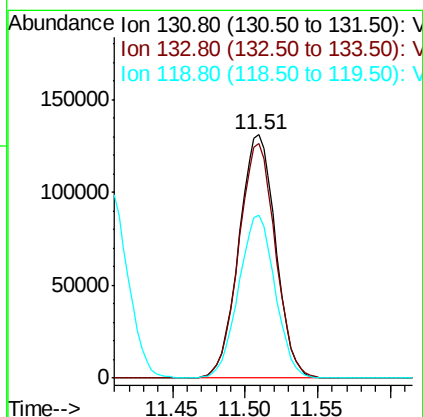
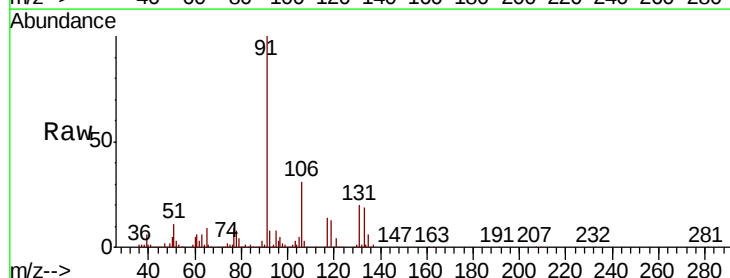
Tgt Ion:131 Resp: 231092

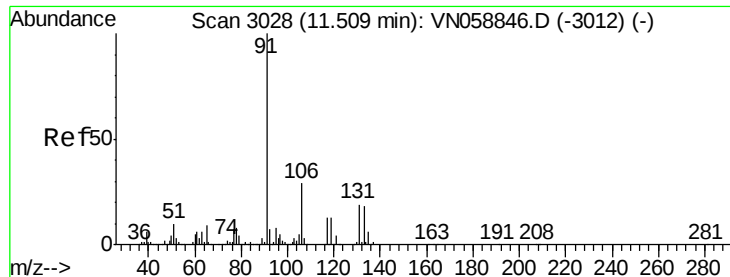
Ion Ratio Lower Upper

131 100

133 96.3 48.4 145.2

119 66.0 33.6 100.8





#67

Ethyl Benzene

Concen: 54.860 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1107801

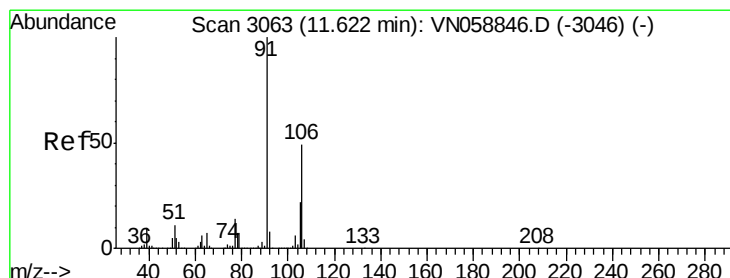
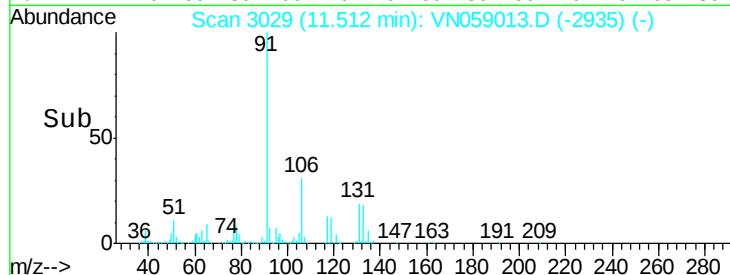
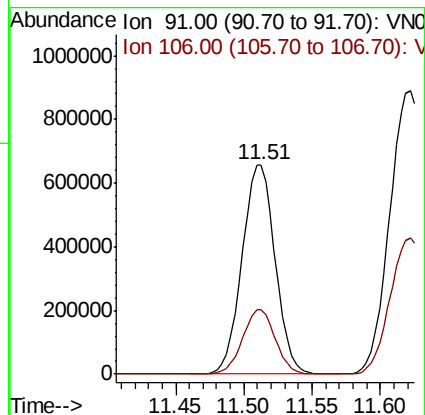
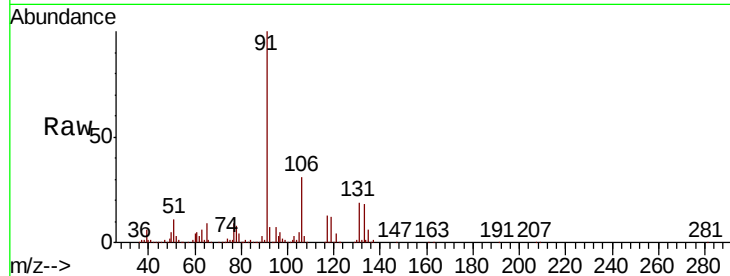
Ion Ratio Lower Upper

91 100

106 30.5 23.4 35.0

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#68

m/p-Xylenes

Concen: 110.095 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059013.D

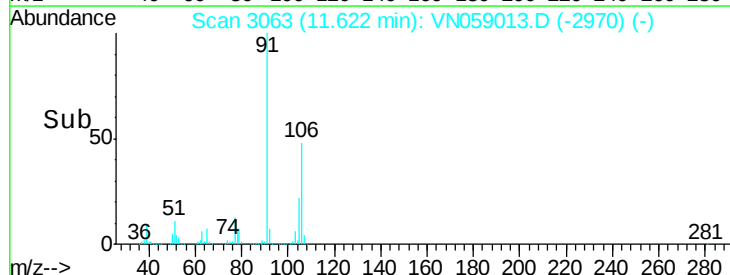
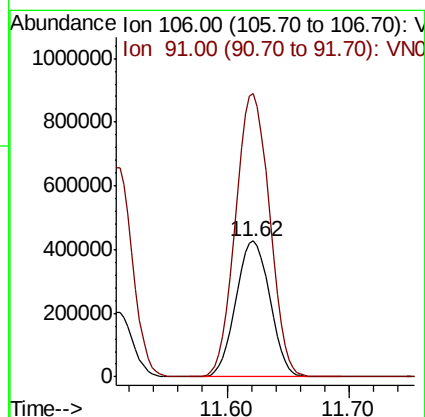
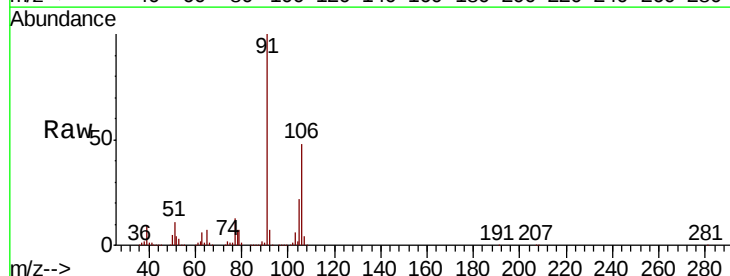
Acq: 29 Oct 2019 16:07

Tgt Ion: 106 Resp: 824459

Ion Ratio Lower Upper

106 100

91 208.8 166.6 249.8





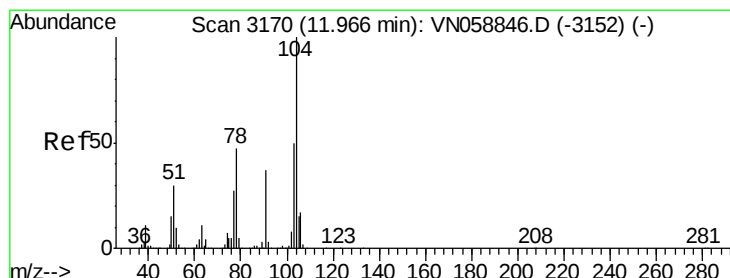
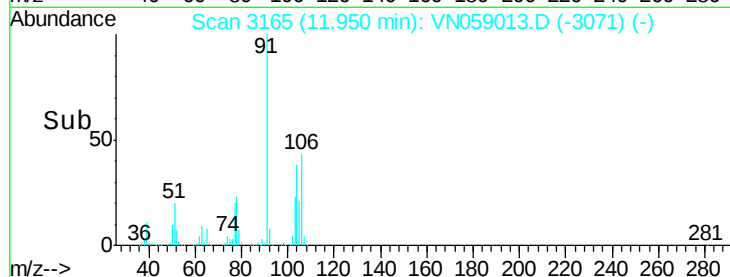
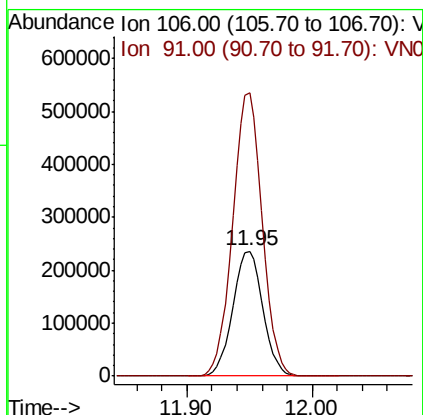
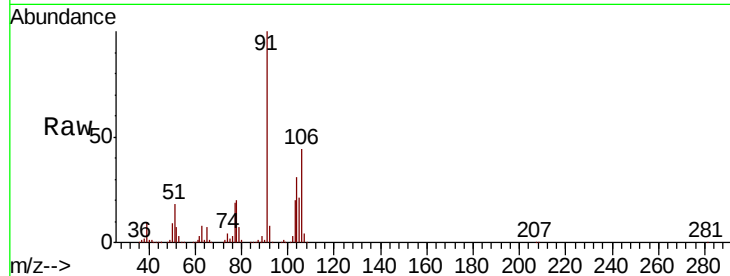
#69
o-Xylene
Concen: 54.838 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	222.7	111.5	334.4	

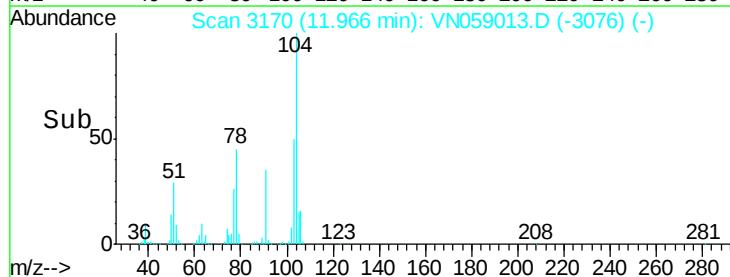
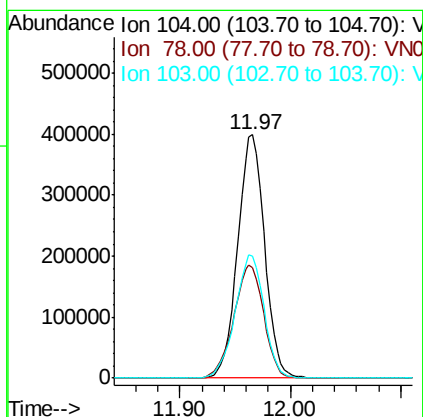
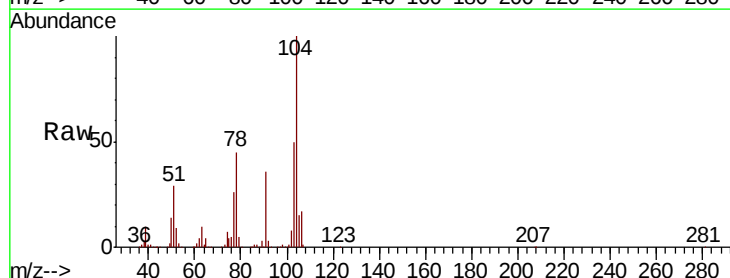
Manual Integrations
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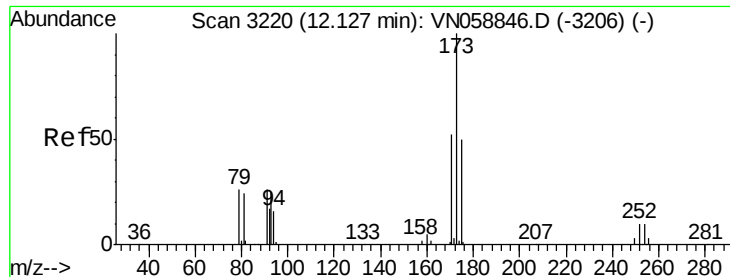
MMDadoda
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#70
Styrene
Concen: 51.252 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.6	42.8	64.2	
103	54.4	44.3	66.5	





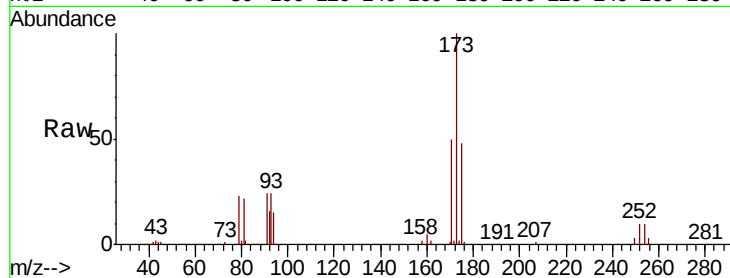
#71
Bromoform
Concen: 56.458 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

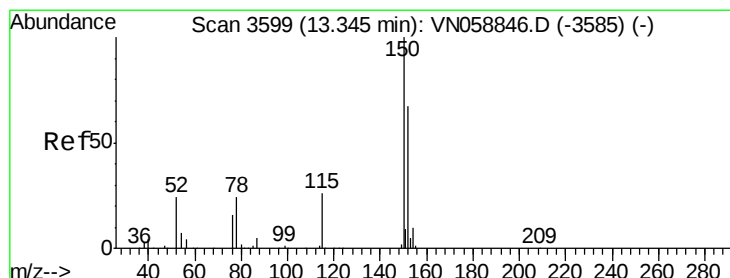
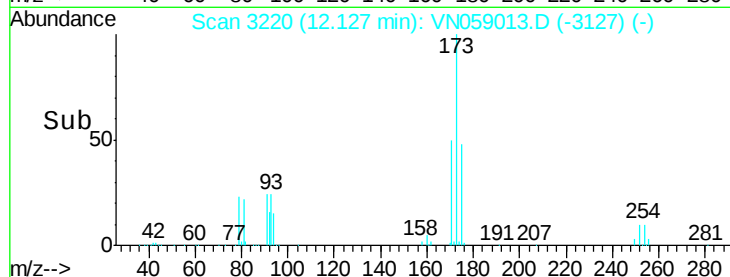
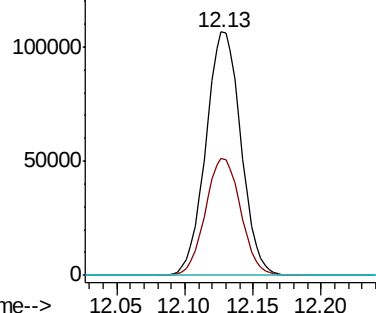
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.7	74.1
254	0.2	0.0	0.0#

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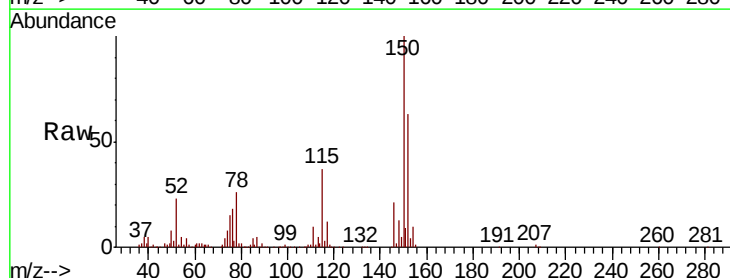


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

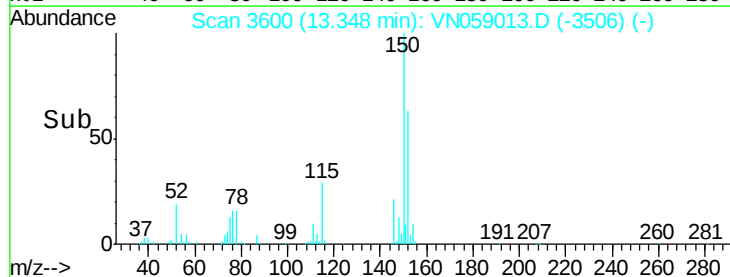
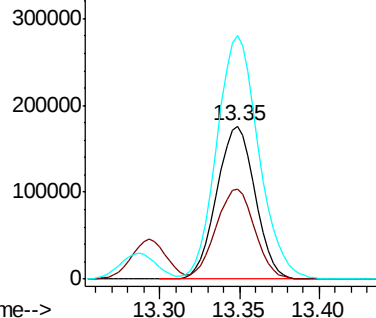


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.5	91.5
150	174.4	0.0	344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.955 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1093781

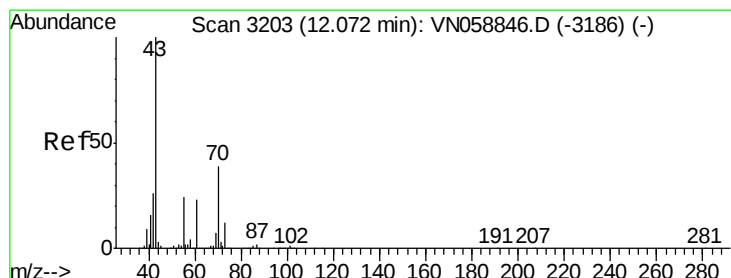
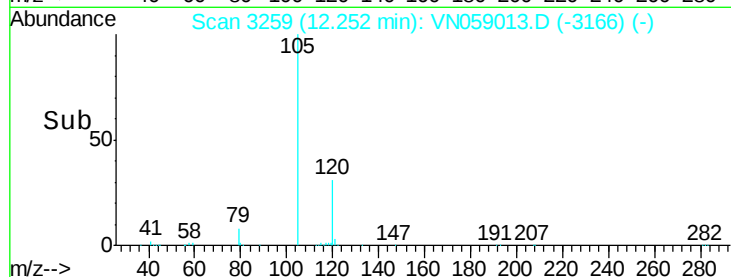
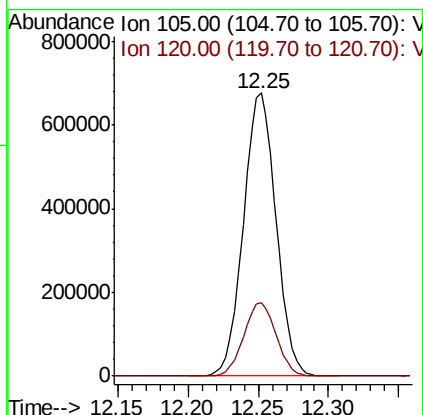
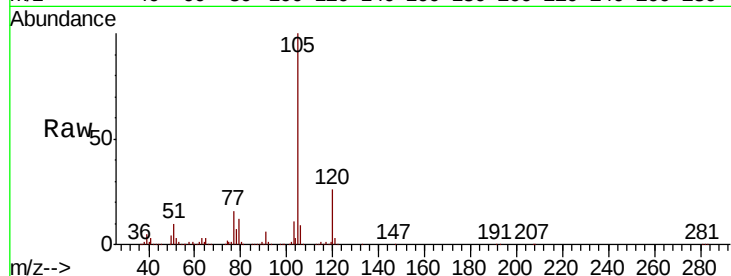
Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.917 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion: 43 Resp: 524145

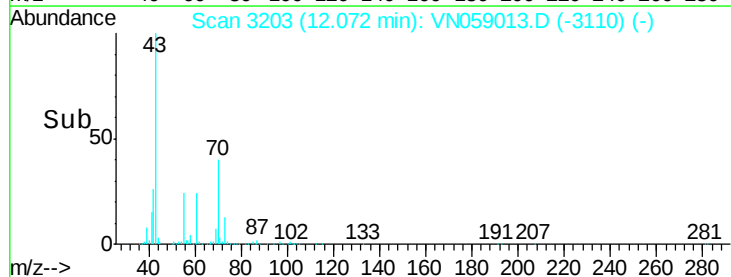
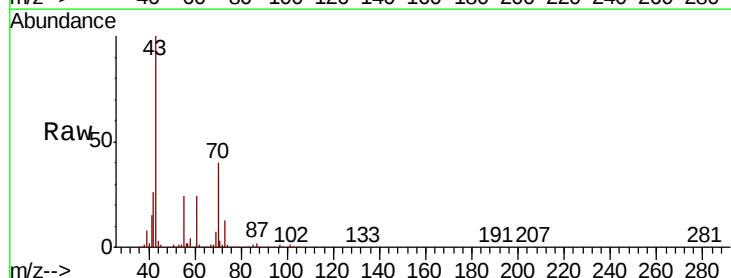
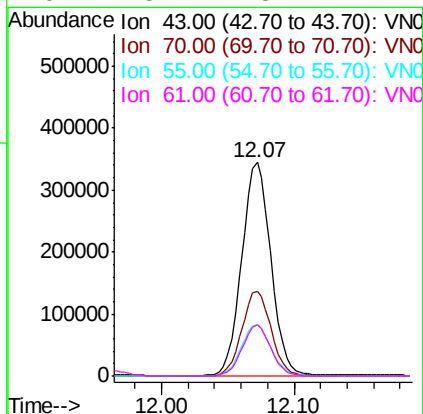
Ion Ratio Lower Upper

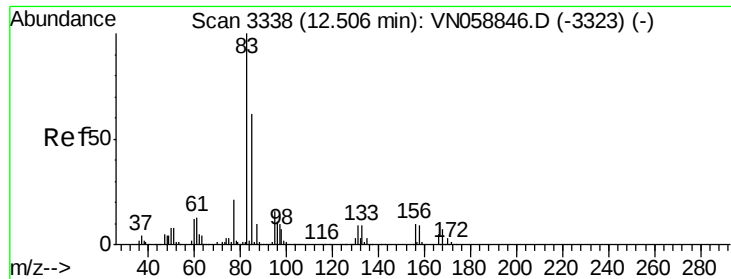
43 100

70 40.2 30.9 46.3

55 24.7 19.7 29.5

61 23.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.312 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 379838

Ion Ratio Lower Upper

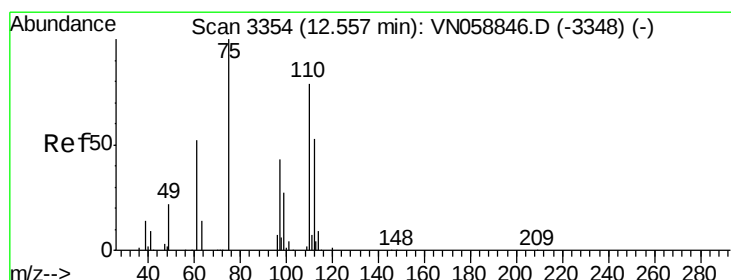
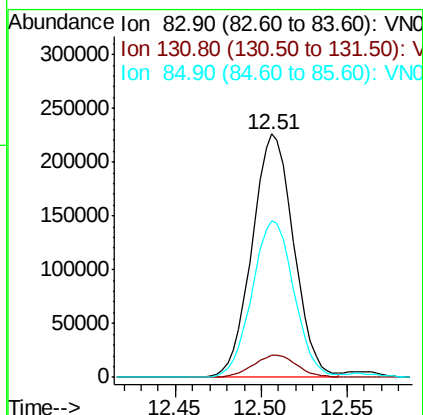
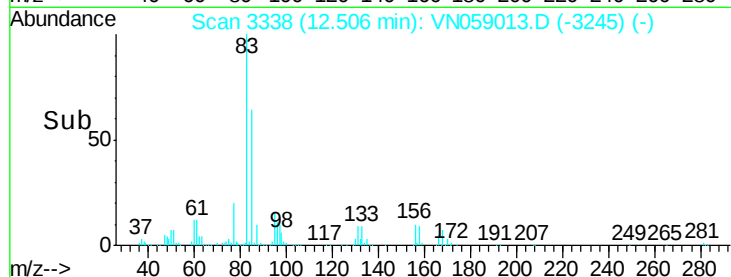
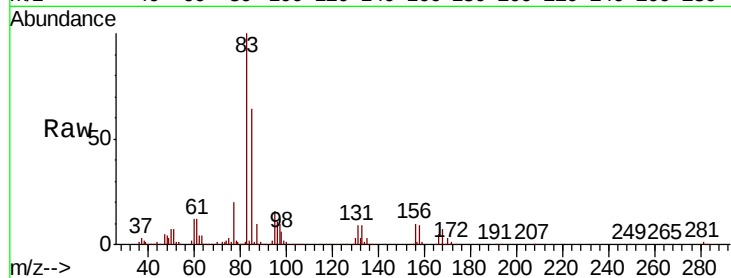
83 100

131 9.6 4.7 14.1

85 64.8 31.7 95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.185 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059013.D

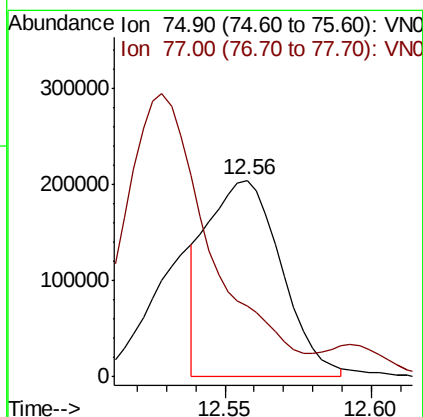
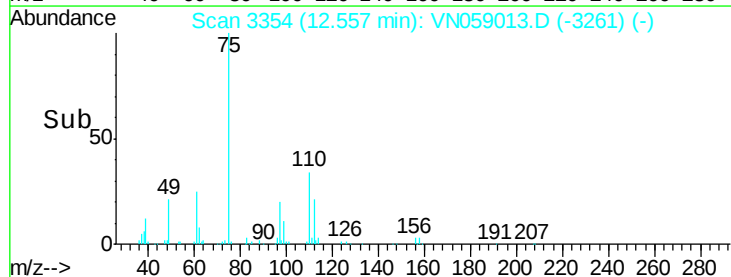
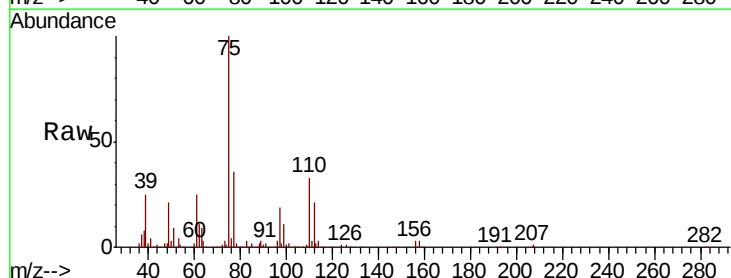
Acq: 29 Oct 2019 16:07

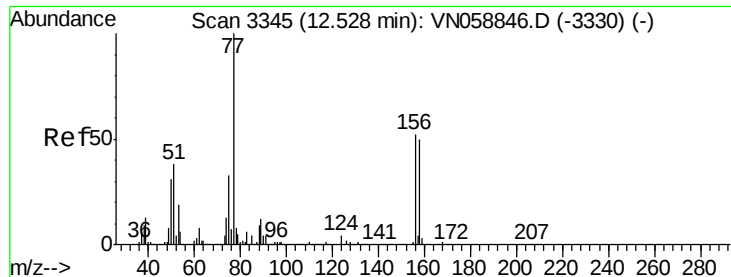
Tgt Ion: 75 Resp: 361759

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.683 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

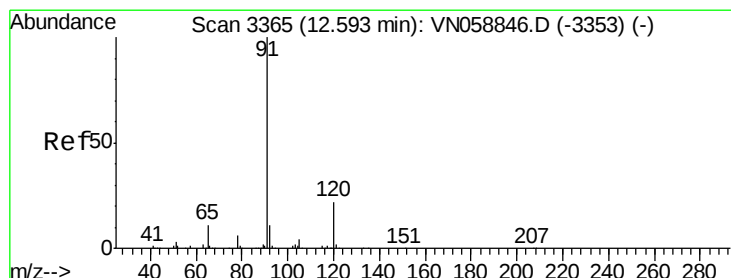
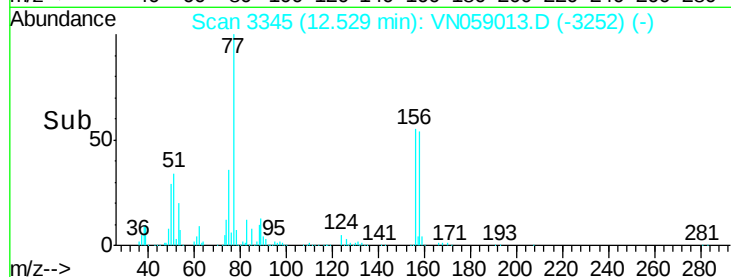
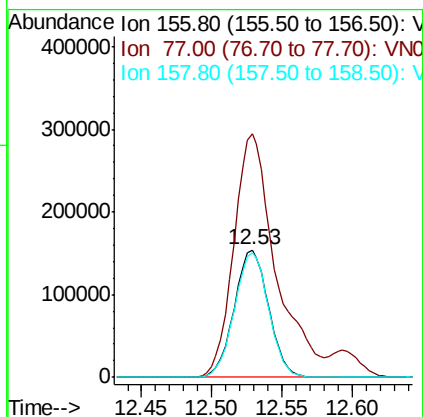
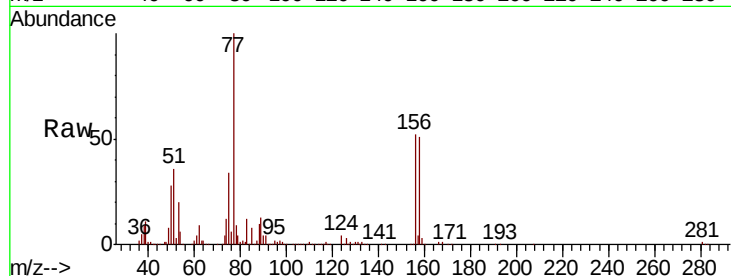
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.3	118.0	354.0
158	97.3	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.863 ug/l

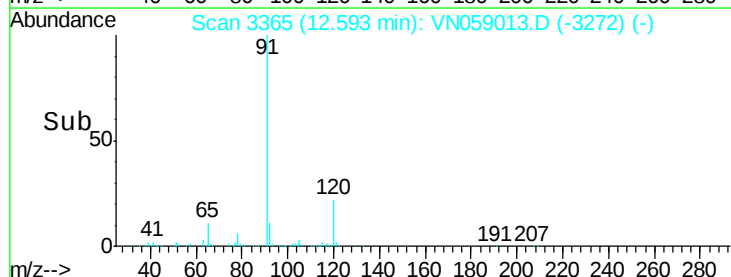
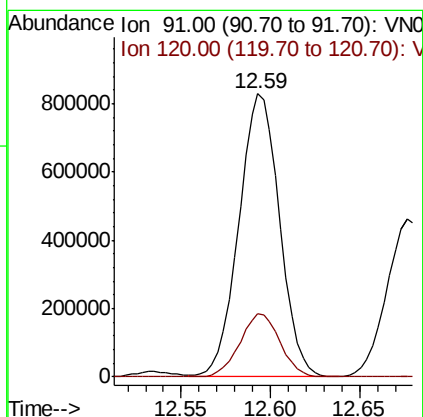
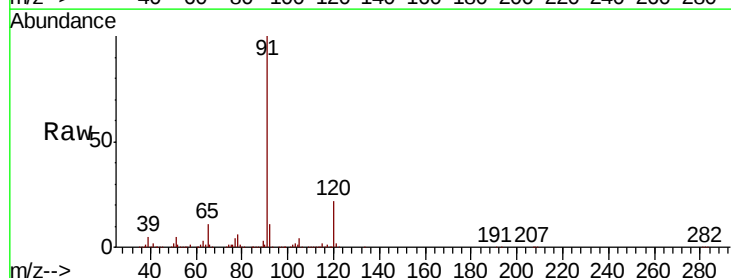
RT: 12.59 min Scan# 3365

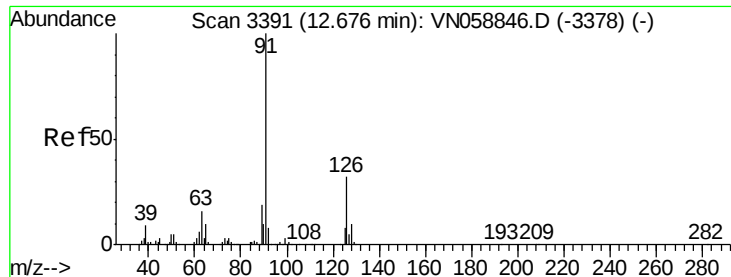
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





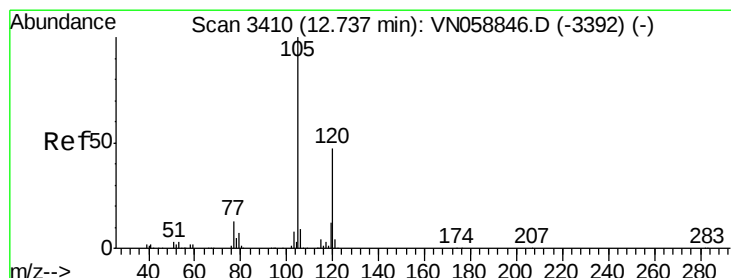
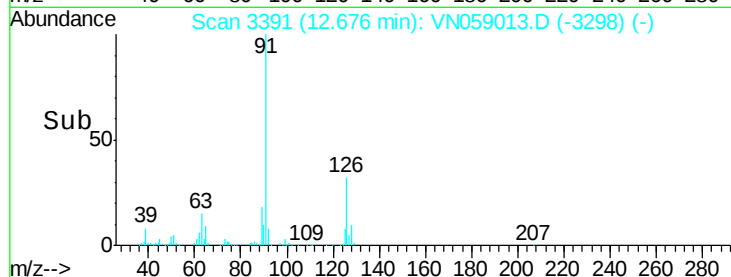
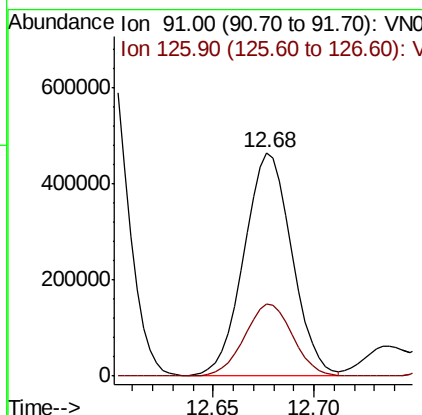
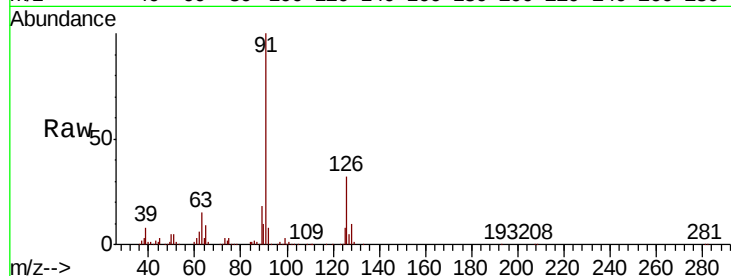
#79
2-Chlorotoluene
Concen: 50.644 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 771340
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.6

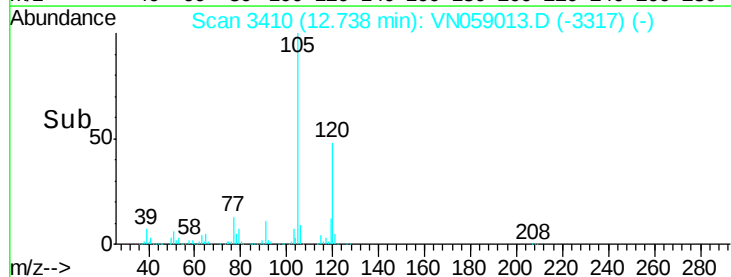
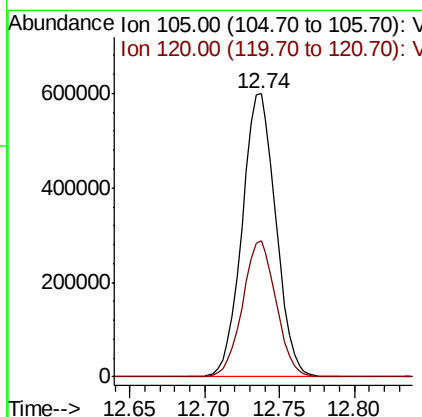
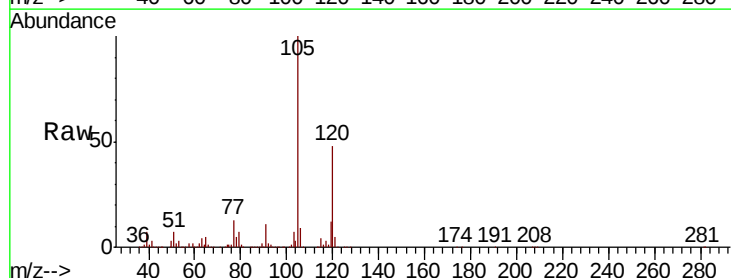
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#80
1,3,5-Trimethylbenzene
Concen: 53.012 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 105 Resp: 937682
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5





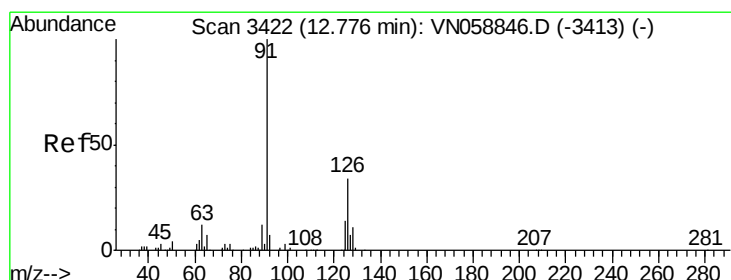
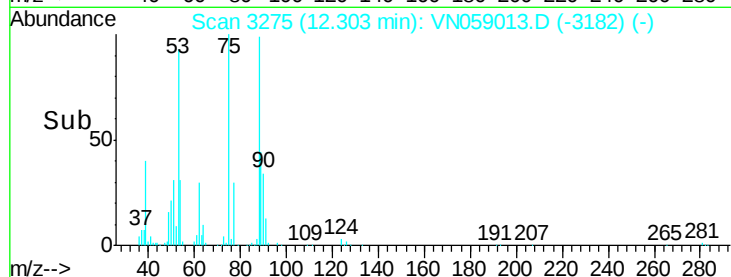
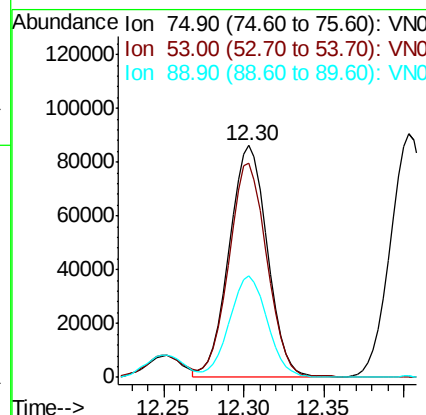
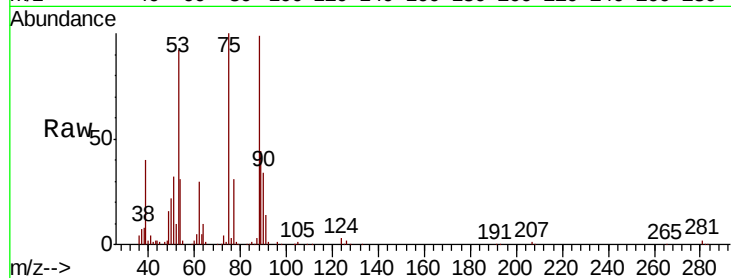
#81
trans-1,4-Dichloro-2-butene
Concen: 54.182 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	78.6	118.0
89	44.0	35.4	53.0

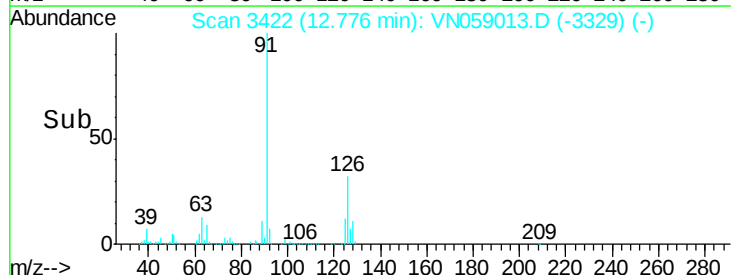
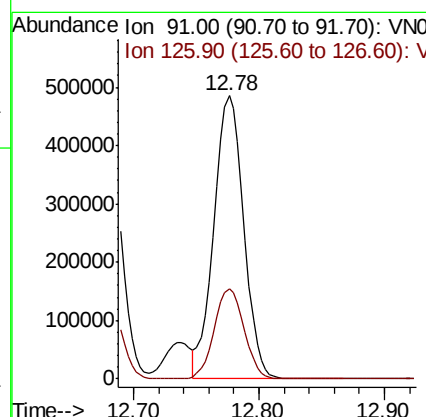
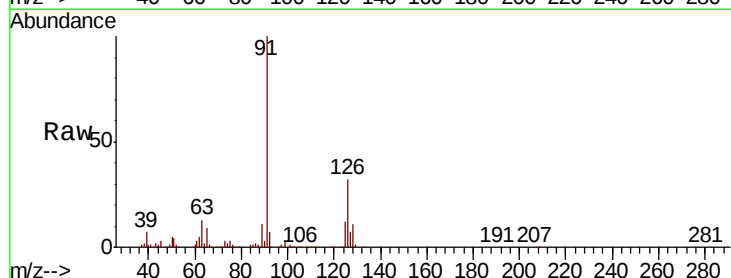
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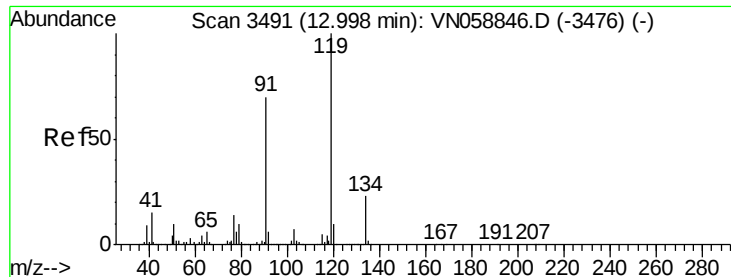
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#82
4-Chlorotoluene
Concen: 51.420 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9





#83

tert-Butylbenzene

Concen: 52.639 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

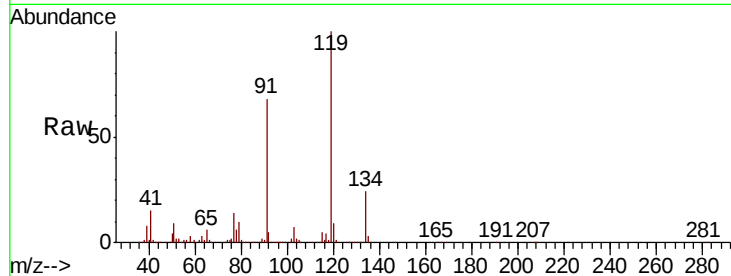
ClientSampleId :

VSTDCCC050EC

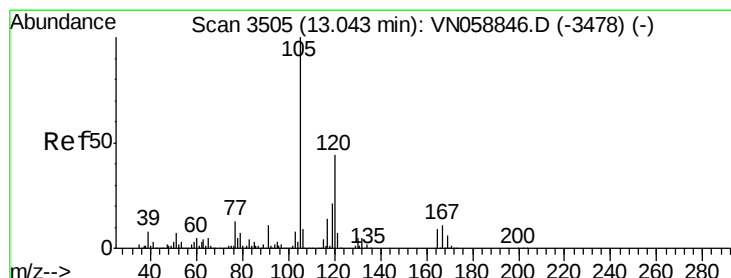
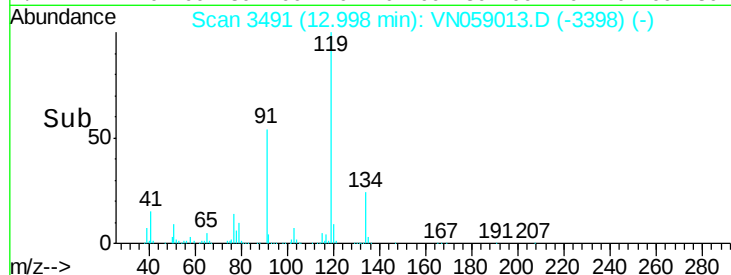
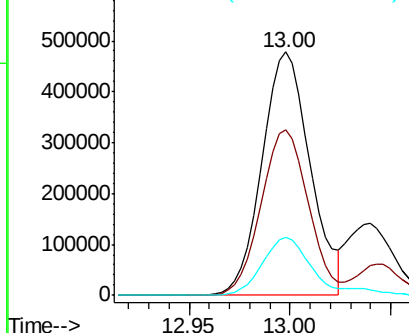
Tot Ion:	119	Resp:	796192
Ion Ratio	Lower	Upper	
119	100		
91	67.0	34.1	102.3
134	23.4	11.6	34.8

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.888 ug/l

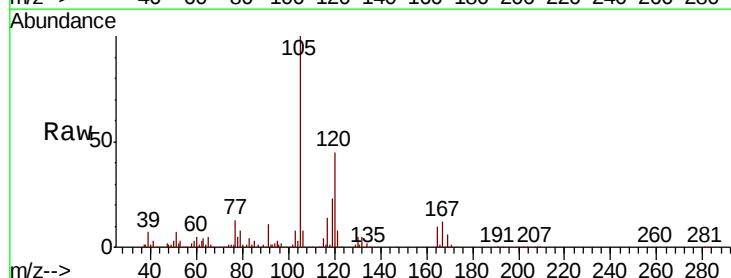
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

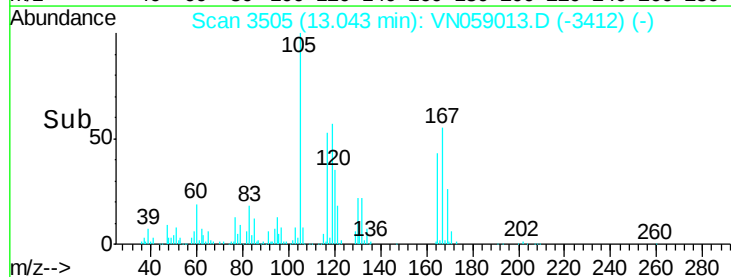
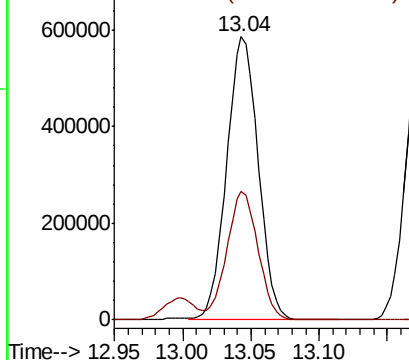
Lab File: VN059013.D

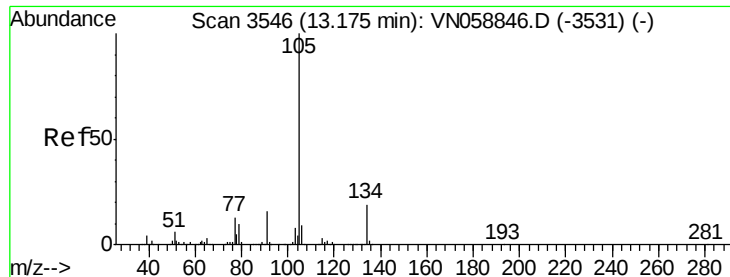
Acq: 29 Oct 2019 16:07

Tgt Ion:	105	Resp:	940163
Ion Ratio	Lower	Upper	
105	100		
120	44.9	21.9	65.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.565 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1080196

Ion Ratio Lower Upper

105 100

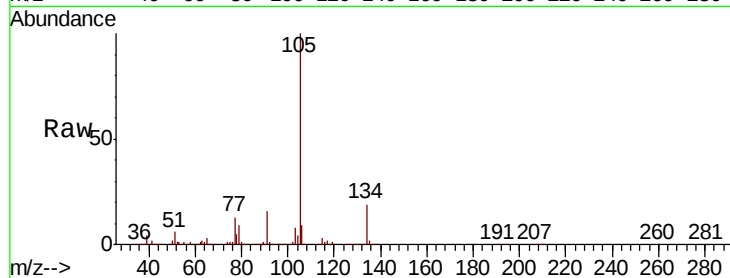
134 19.3 9.4 28.2

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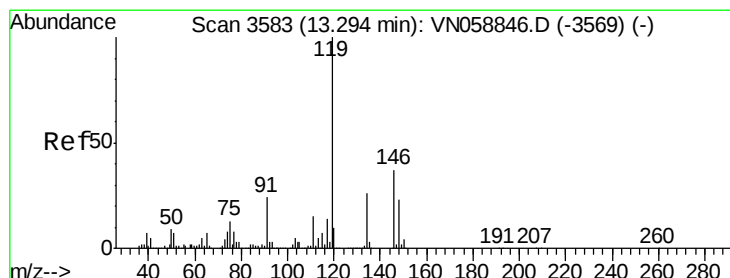
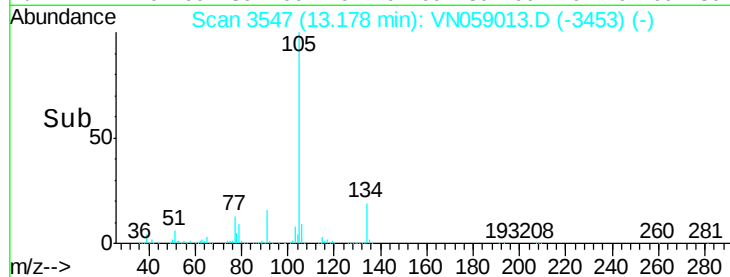
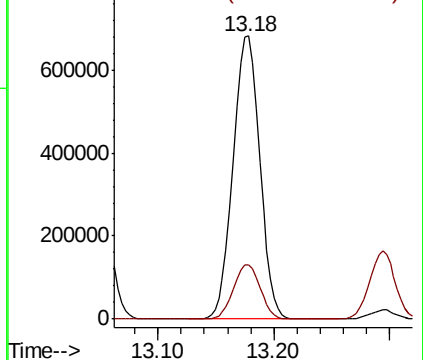
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.936 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

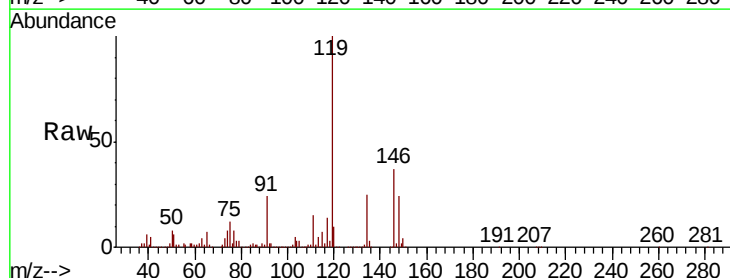
Tgt Ion:119 Resp: 977517

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

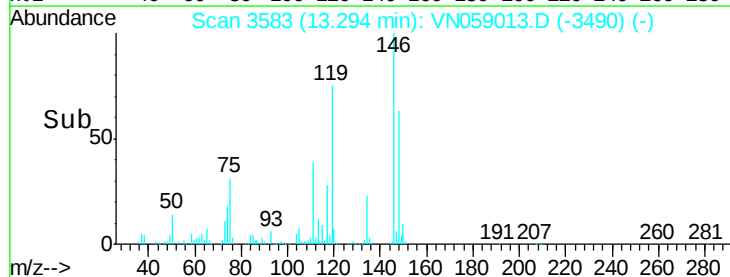
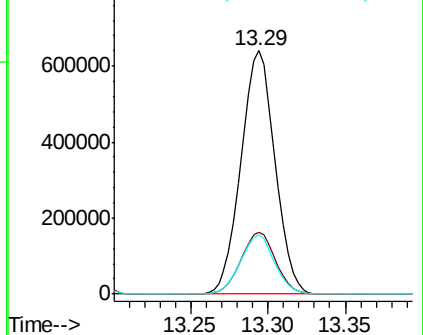
91 24.2 12.2 36.4

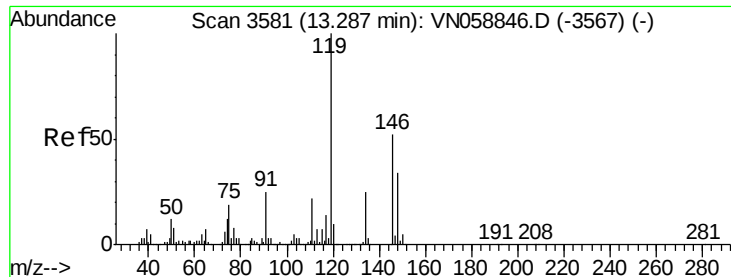


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.861 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

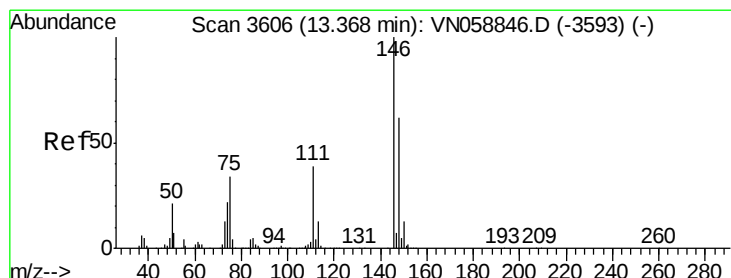
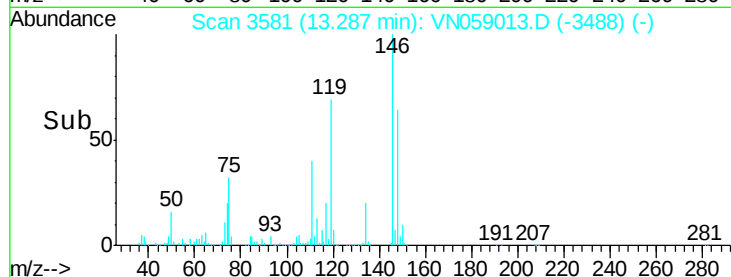
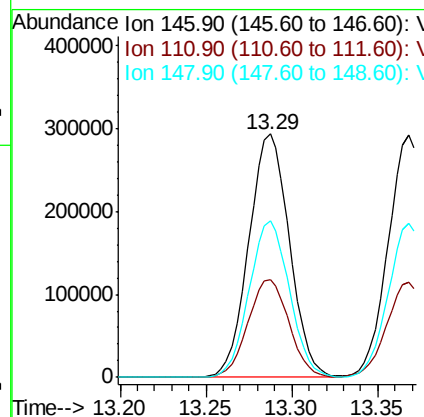
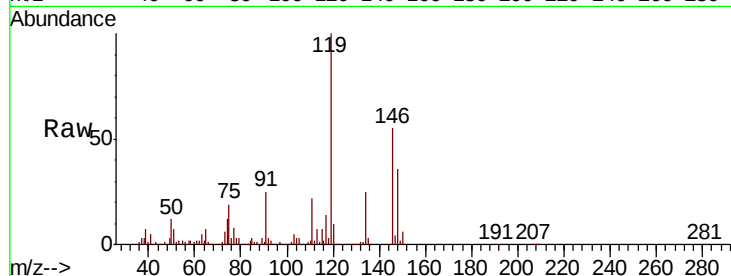
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	481189
Ion Ratio	Lower	Upper	
146	100		
111	40.6	21.0	63.0
148	63.8	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.688 ug/l

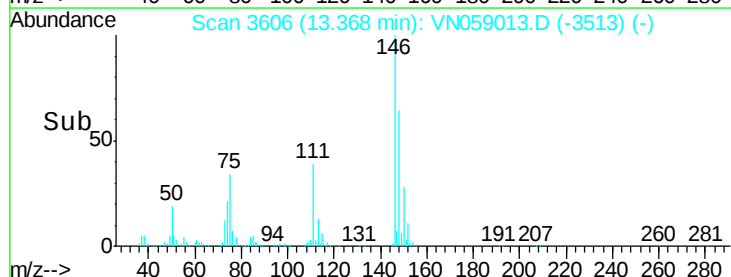
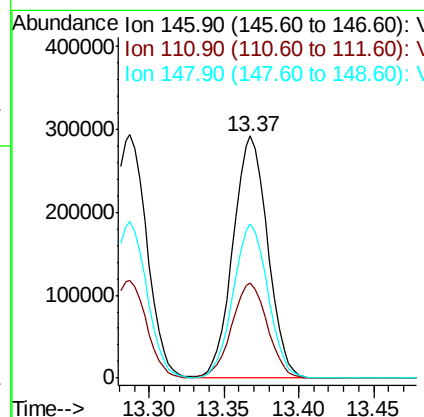
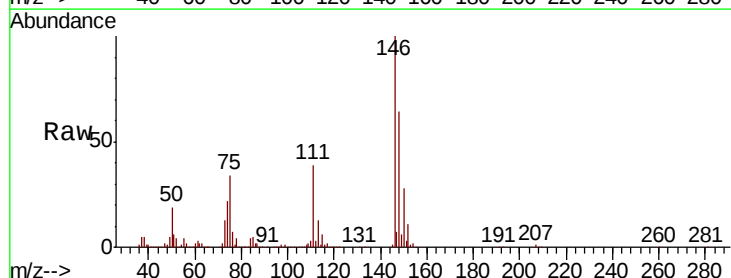
RT: 13.37 min Scan# 3606

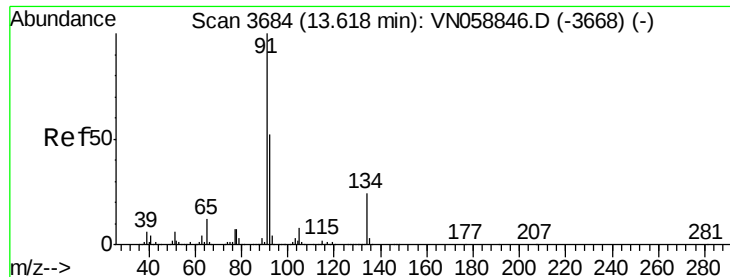
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	146	Resp:	470867
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.2	60.6
148	63.7	31.6	94.7





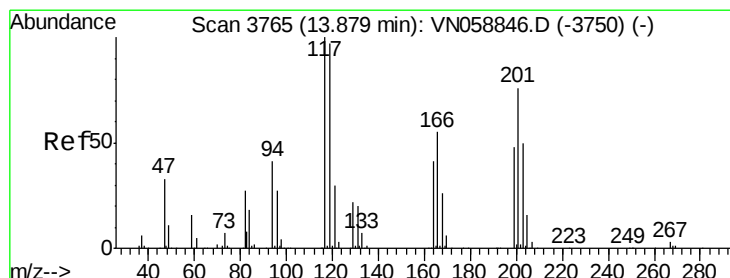
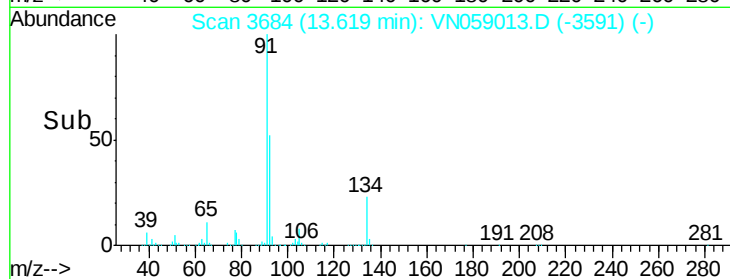
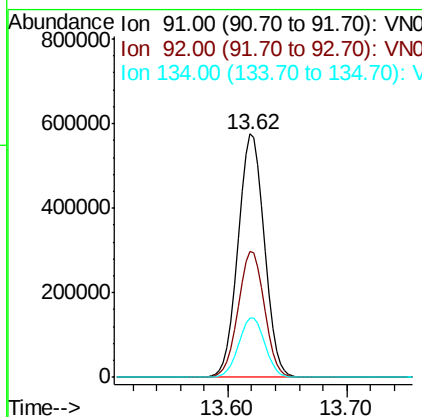
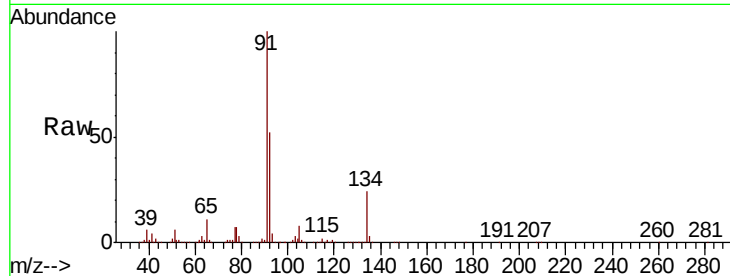
#89
n-Butylbenzene
Concen: 54.005 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.1
134	24.6	11.9	35.5

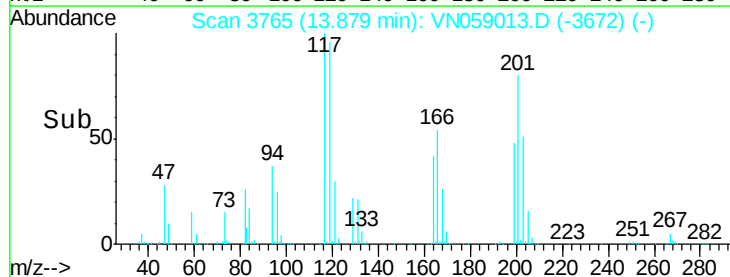
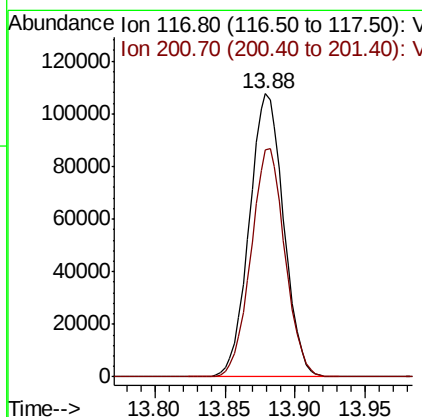
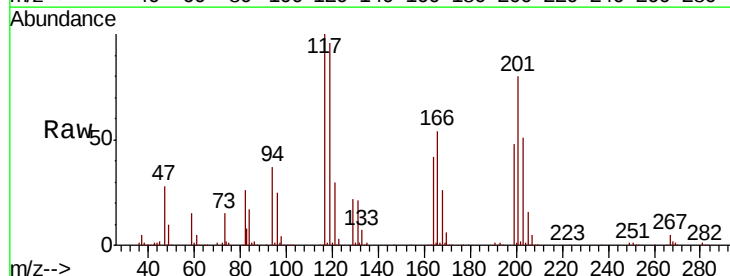
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#90
Hexachloroethane
Concen: 50.916 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	38.9	116.6





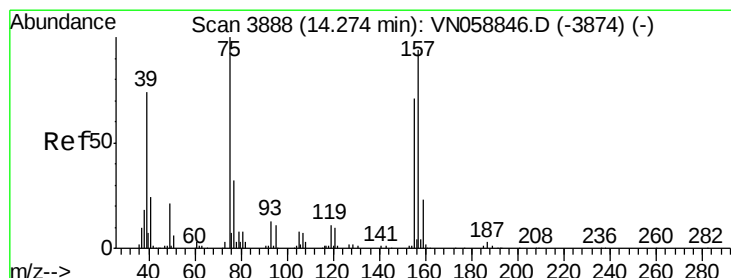
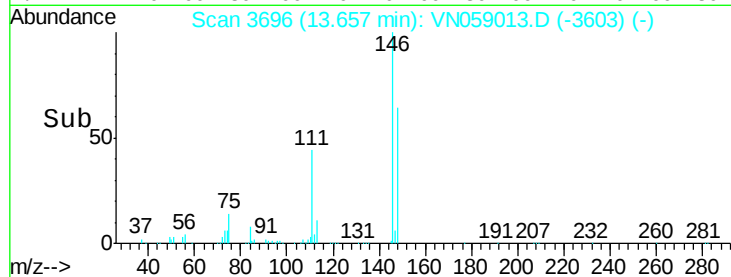
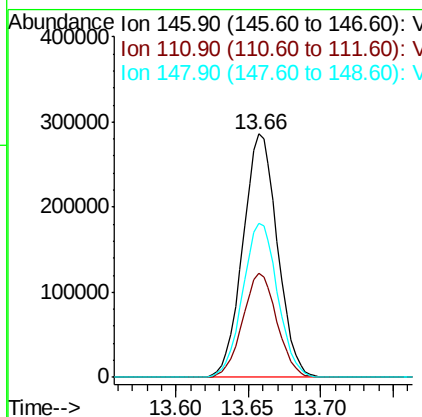
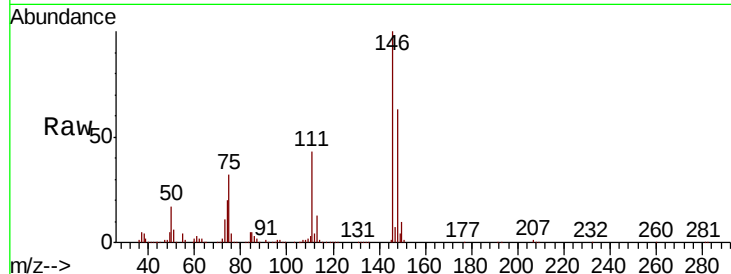
#91
 1,2-Dichlorobenzene
 Concen: 51.976 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.8
148	64.1	31.9	95.9

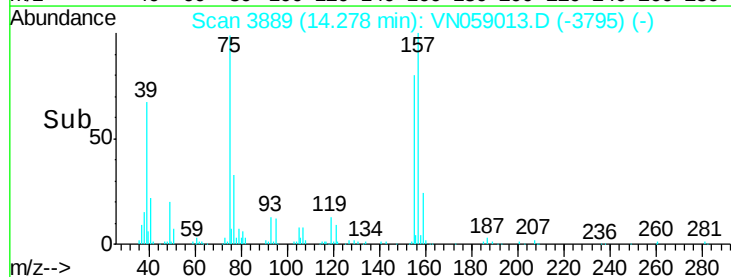
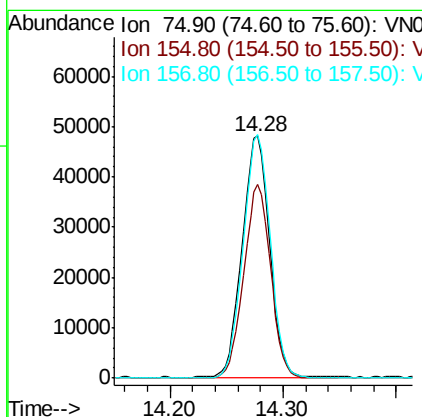
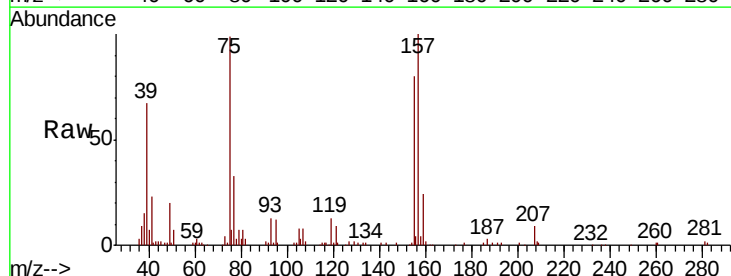
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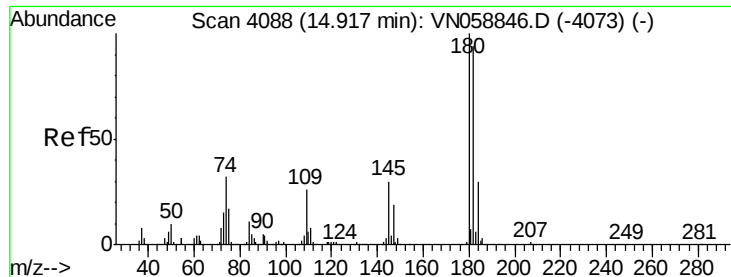
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.070 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	35.6	106.8
157	98.8	47.4	142.2





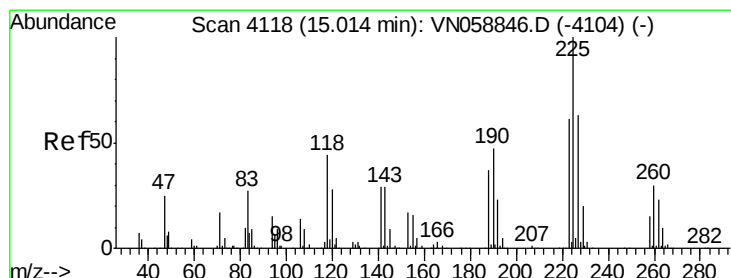
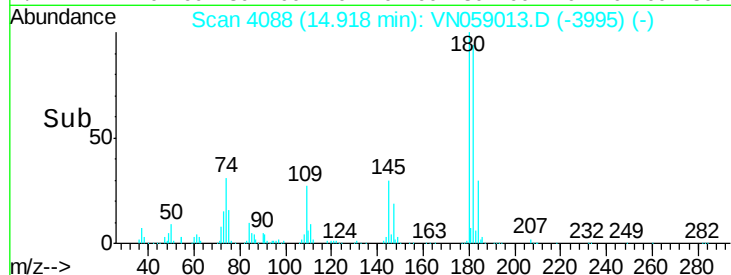
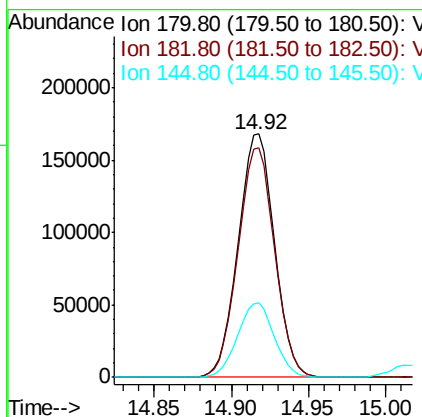
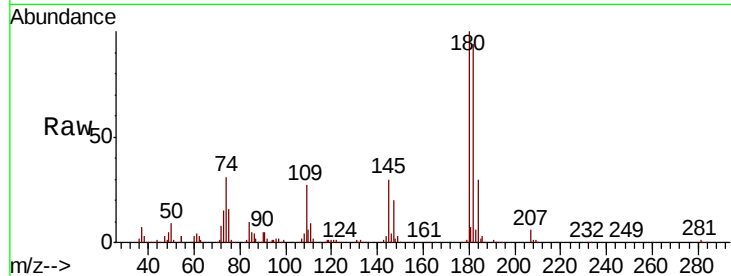
#93
 1,2,4-Trichlorobenzene
 Concen: 47.893 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	274309		
182	95.2	47.3	142.0	
145	31.1	15.3	45.8	

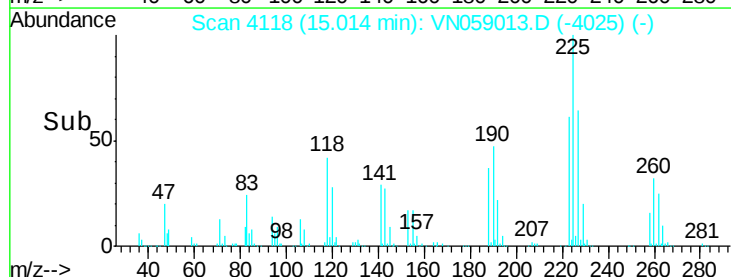
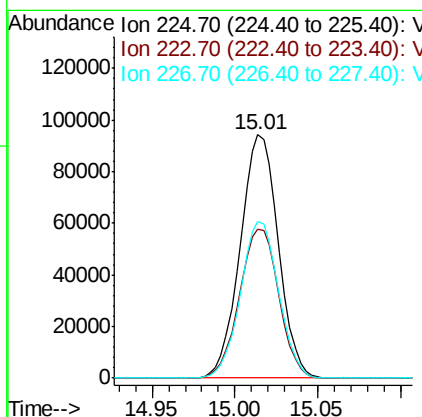
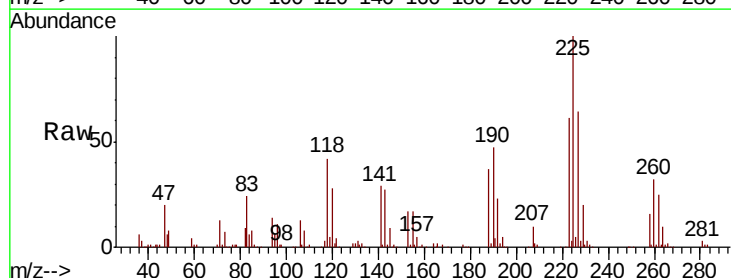
Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:49 PM



#94
 Hexachlorobutadiene
 Concen: 50.848 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150297		
223	63.4	30.9	92.5	
227	64.4	31.6	94.7	





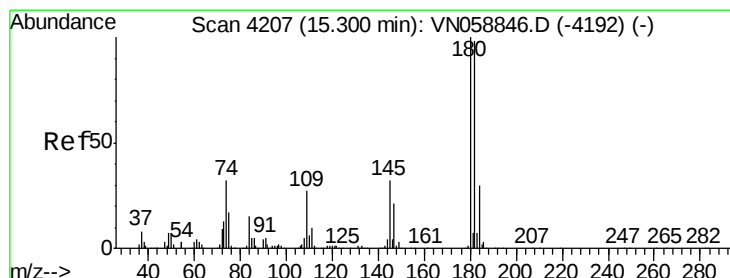
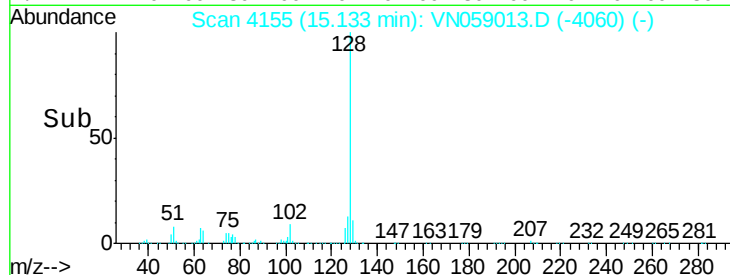
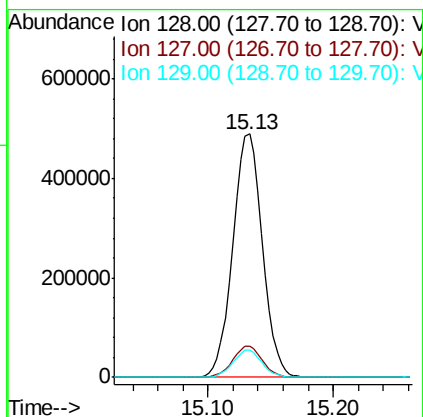
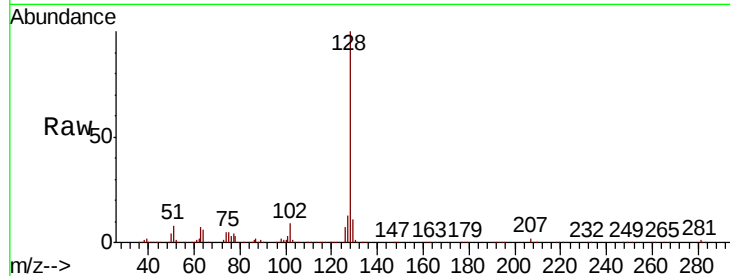
#95
Naphthalene
Concen: 48.552 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 3:53:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.137 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	32.0	15.9	47.7

