

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059024.D
 Acq On : 31 Oct 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:06 AM

Quant Time: Nov 01 00:22:15 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	7.64	168	421773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	658120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	617616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	272880	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
35) Dibromofluoromethane	7.57	113	208541	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.08	98	809264	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	313864	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	224098	42.615	ug/l	99
3) Chloromethane	2.04	50	288134	44.240	ug/l	99
4) Vinyl Chloride	2.17	62	295526	45.700	ug/l	99
5) Bromomethane	2.53	94	175374	43.307	ug/l	97
6) Chloroethane	2.68	64	182289	43.957	ug/l	97
7) Trichlorofluoromethane	3.00	101	368942	46.110	ug/l	97
8) Diethyl Ether	3.39	74	143976	52.069	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	214730	48.408	ug/l	97
10) Methyl Iodide	3.92	142	268772	46.069	ug/l	98
11) Tert butyl alcohol	4.75	59	255106	248.512	ug/l	99
12) 1,1-Dichloroethene	3.71	96	203308	48.897	ug/l	98
13) Acrolein	3.58	56	186295	264.122	ug/l	98
14) Allyl chloride	4.29	41	434390	51.630	ug/l	95
15) Acrylonitrile	4.95	53	682311	264.241	ug/l	99
16) Acetone	3.79	43	873933	285.904	ug/l	98
17) Carbon Disulfide	4.02	76	564088	42.116	ug/l	100
18) Methyl Acetate	4.29	43	365568	52.603	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	783185	53.793	ug/l	100
20) Methylene Chloride	4.52	84	251753	48.234	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	224515	48.895	ug/l	96
22) Diisopropyl ether	5.92	45	899266	54.644	ug/l	95
23) Vinyl Acetate	5.86	43	3653075	276.291	ug/l	99
24) 1,1-Dichloroethane	5.82	63	470947	49.353	ug/l	99
25) 2-Butanone	6.81	43	1050030	264.627	ug/l	99
26) 2,2-Dichloropropane	6.80	77	412620	49.991	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	270305	51.531	ug/l	98
28) Bromochloromethane	7.17	49	146636	46.141	ug/l	99
29) Tetrahydrofuran	7.18	42	621177	255.909	ug/l	99
30) Chloroform	7.35	83	461402	48.203	ug/l	99
31) Cyclohexane	7.63	56	410839	46.215	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	393287	48.746	ug/l	98
36) 1,1-Dichloropropene	7.77	75	341784	50.726	ug/l	99
37) Ethyl Acetate	6.90	43	392113	53.410	ug/l	99
38) Carbon Tetrachloride	7.75	117	345678	49.801	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	392562	51.888	ug/l	99
40) Benzene	8.02	78	1040270	52.578	ug/l	99
41) Methacrylonitrile	7.15	41	175938m	53.807	ug/l	
42) 1,2-Dichloroethane	8.10	62	377346	49.510	ug/l	99
43) Isopropyl Acetate	8.14	43	629592	53.472	ug/l	99
44) Trichloroethene	8.82	130	249475	51.762	ug/l	100
45) 1,2-Dichloropropane	9.10	63	290109	53.472	ug/l	98
46) Dibromomethane	9.19	93	174665	50.925	ug/l	97
47) Bromodichloromethane	9.39	83	372953	52.758	ug/l	99
48) Methyl methacrylate	9.18	41	295827	55.377	ug/l	96
49) 1,4-Dioxane	9.19	88	98204	1119.855	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1968771	286.271	ug/l	98
52) Toluene	10.15	92	644202	54.905	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	428979	54.817	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	454936	54.414	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	260657	53.928	ug/l	98
56) Ethyl methacrylate	10.42	69	417062	51.310	ug/l	95
57) 1,3-Dichloropropane	10.70	76	456092	53.764	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	825488	240.982	ug/l	99
59) 2-Hexanone	10.75	43	1537123	289.242	ug/l	97
60) Dibromochloromethane	10.90	129	284777	54.738	ug/l	99
61) 1,2-Dibromoethane	11.00	107	264764	53.526	ug/l	100
64) Tetrachloroethene	10.63	164	225756	52.193	ug/l	99
65) Chlorobenzene	11.43	112	684584	54.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255625	53.874	ug/l	99
67) Ethyl Benzene	11.51	91	1258937	57.076	ug/l	98
68) m/p-Xylenes	11.62	106	927131	113.342	ug/l	100
69) o-Xylene	11.95	106	444593	56.988	ug/l	100
70) Styrene	11.96	104	755980	52.412	ug/l	99
71) Bromoform	12.13	173	208566	56.686	ug/l #	98
73) Isopropylbenzene	12.25	105	1227187	54.185	ug/l	98
74) N-amyl acetate	12.07	43	559799	54.520	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	404033	50.735	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	376670m	52.444	ug/l	
77) Bromobenzene	12.53	156	293601	52.594	ug/l	97
78) n-propylbenzene	12.59	91	1461317	54.585	ug/l	99
79) 2-Chlorotoluene	12.68	91	856771	52.290	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1051923	55.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	148025	53.689	ug/l	94
82) 4-Chlorotoluene	12.78	91	895888	53.504	ug/l	100
83) tert-Butylbenzene	13.00	119	898134	55.195	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1050123	55.950	ug/l	99
85) sec-Butylbenzene	13.17	105	1209836	55.766	ug/l	99
86) p-Isopropyltoluene	13.29	119	1104825	57.716	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	536243	53.722	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	529358	52.969	ug/l	99
89) n-Butylbenzene	13.62	91	996298	56.658	ug/l	99
90) Hexachloroethane	13.88	117	200147	51.599	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	520818	53.086	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82916	46.034	ug/l	95

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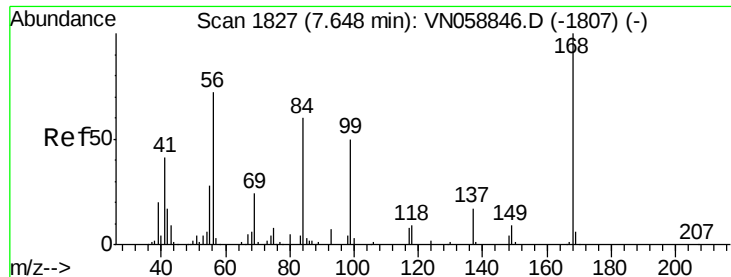
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	310148	50.207	ug/l	99
94) Hexachlorobutadiene	15.02	225	173484	54.557	ug/l	100
95) Naphthalene	15.13	128	839596	47.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	299527	49.825	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 421773

Ion Ratio Lower Upper

168 100

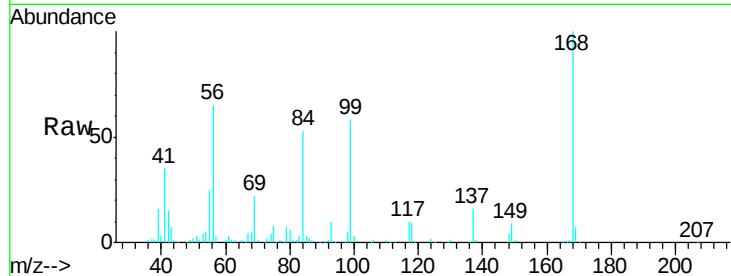
99 57.4 48.1 72.1

Manual Integrations

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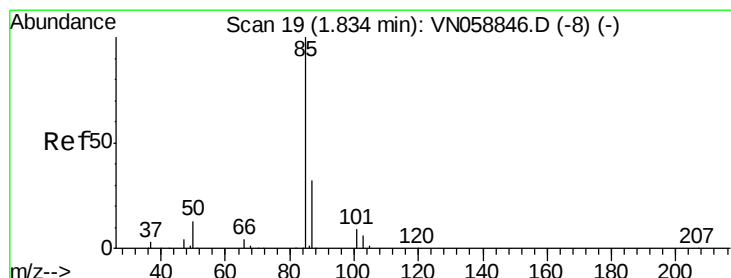
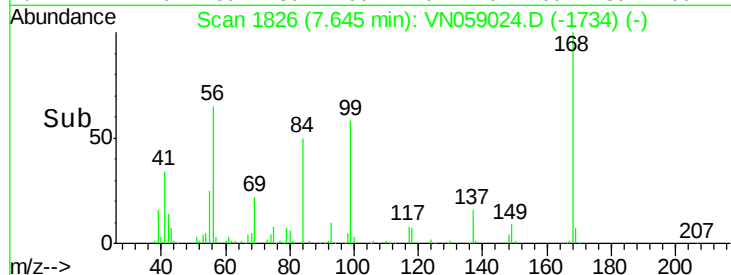
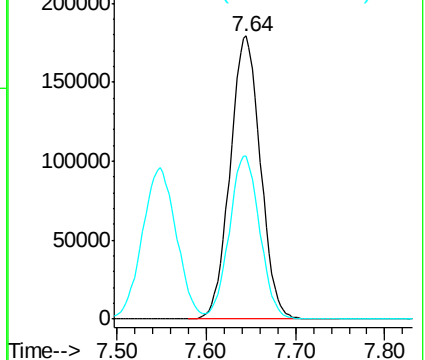
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.615 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059024.D

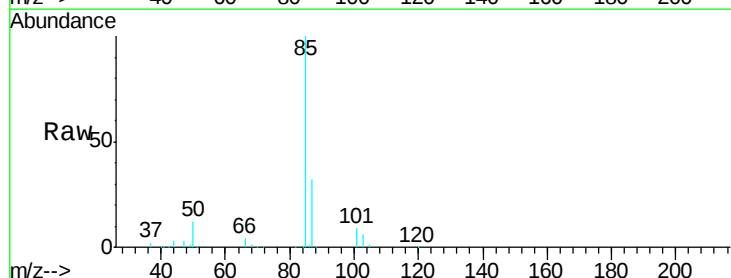
Acq: 31 Oct 2019 8:56

Tgt Ion: 85 Resp: 224098

Ion Ratio Lower Upper

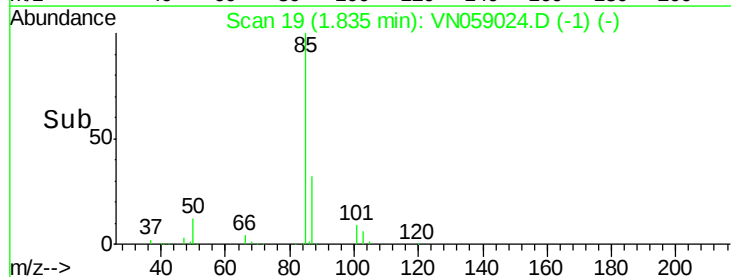
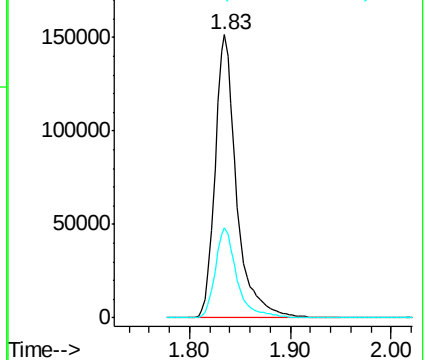
85 100

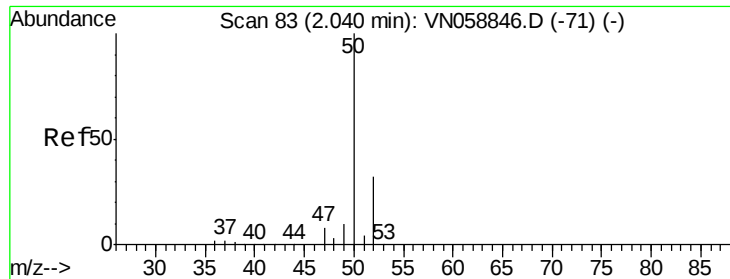
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.240 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 288134

Ion Ratio Lower Upper

50 100

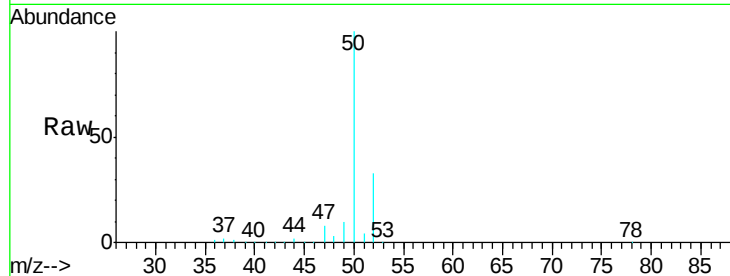
52 32.7 25.7 38.5

Manual Integrations

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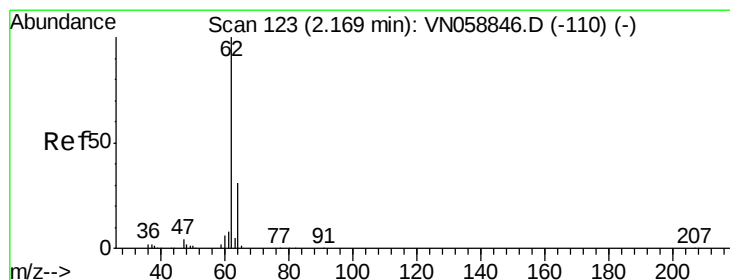
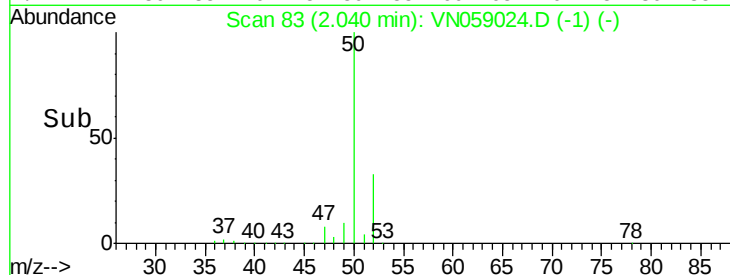
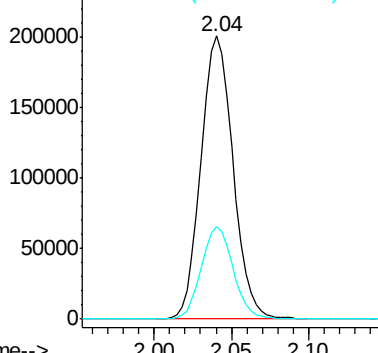
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.700 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059024.D

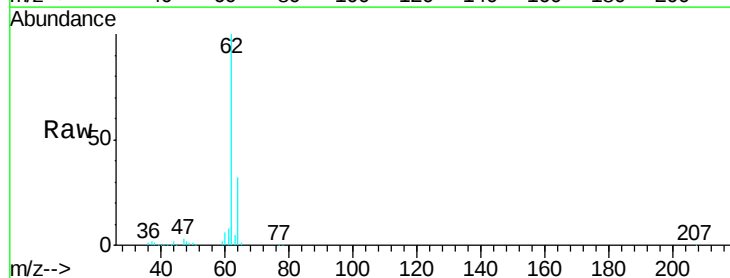
Acq: 31 Oct 2019 8:56

Tgt Ion: 62 Resp: 295526

Ion Ratio Lower Upper

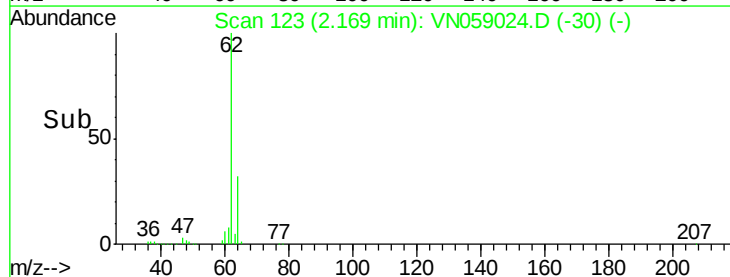
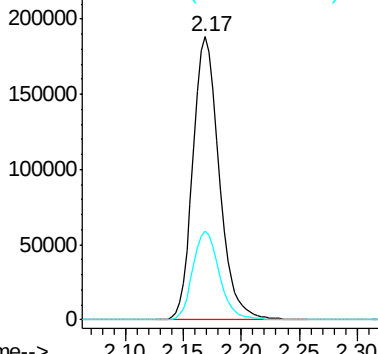
62 100

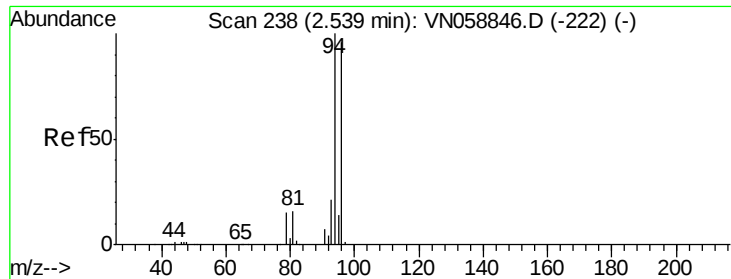
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.307 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 175374

Ion Ratio Lower Upper

94 100

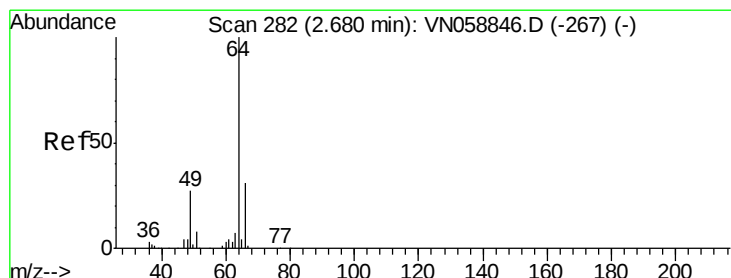
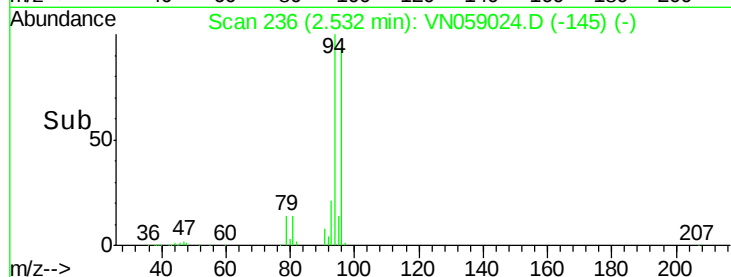
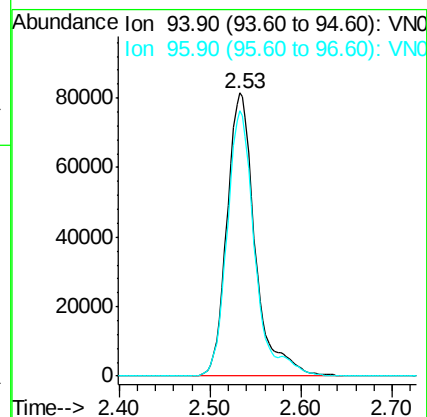
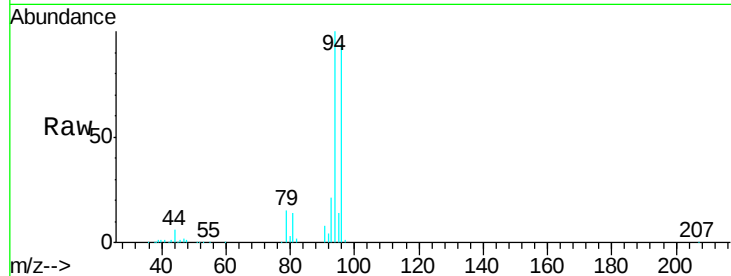
96 93.8 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 43.957 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059024.D

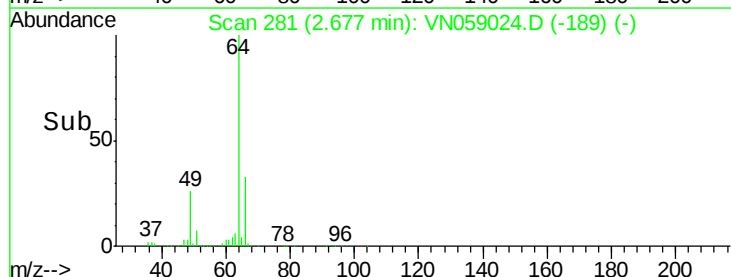
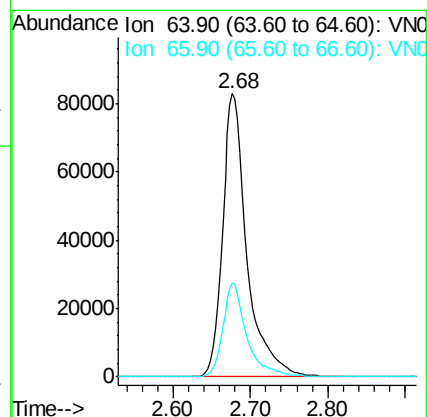
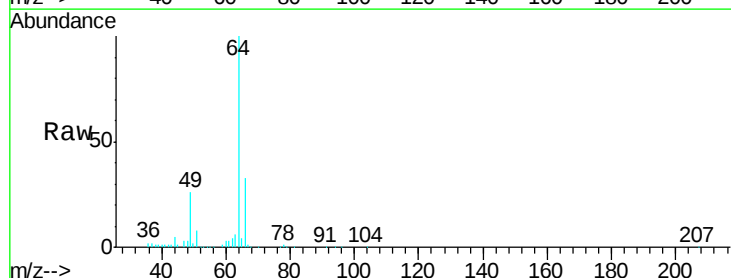
Acq: 31 Oct 2019 8:56

Tgt Ion: 64 Resp: 182289

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4





#7

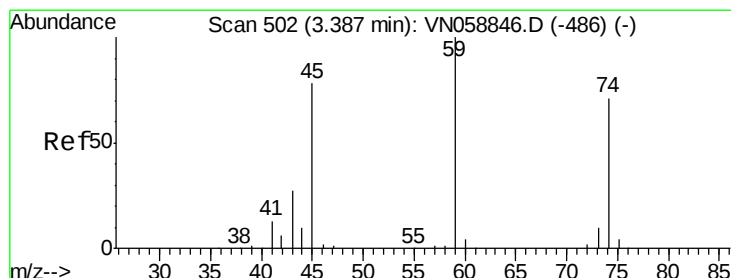
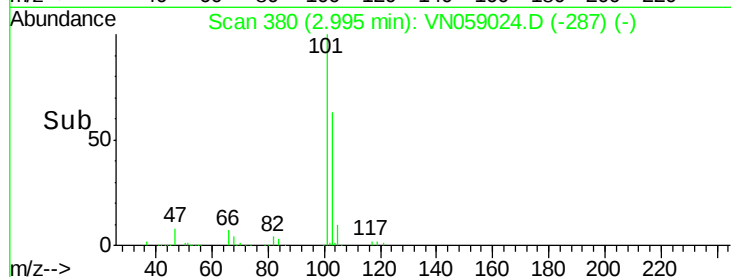
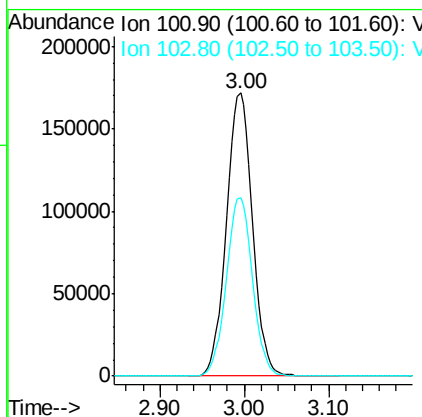
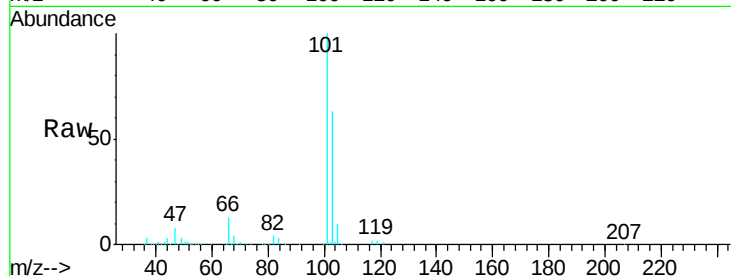
Trichlorofluoromethane
Concen: 46.110 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

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VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	368942		
103	63.2	52.2	78.2	

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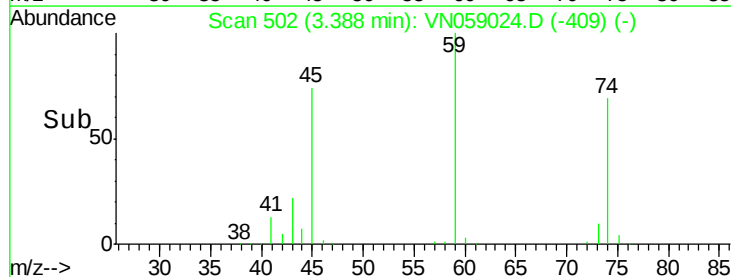
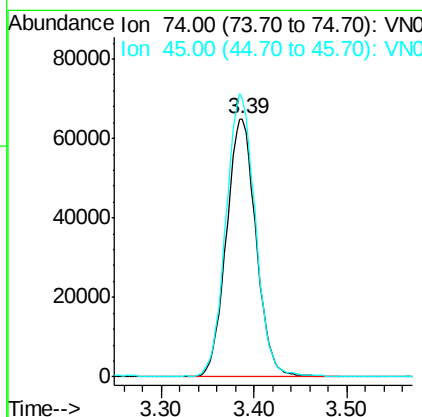
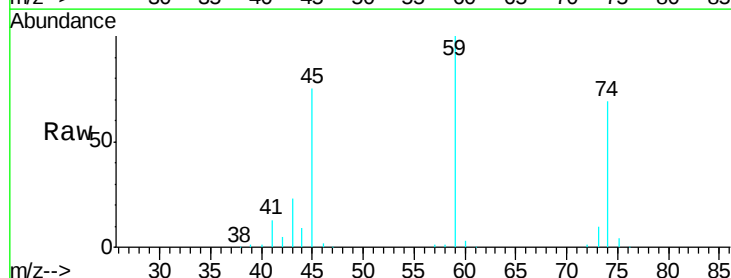
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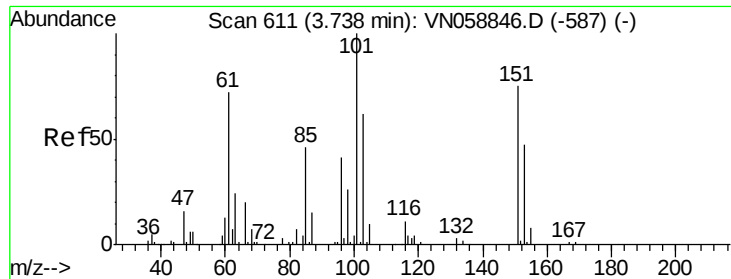


#8

Diethyl Ether
Concen: 52.069 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	143976		
45	108.0	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.408 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

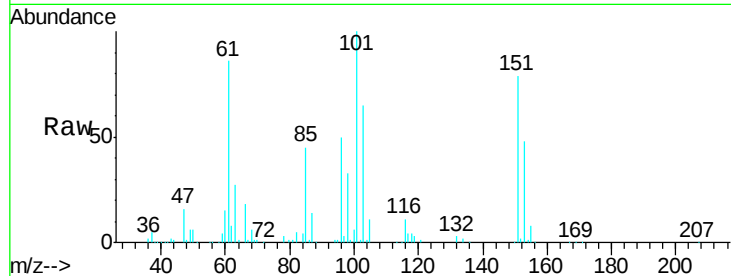
ClientSampleId :

VSTDCCC050

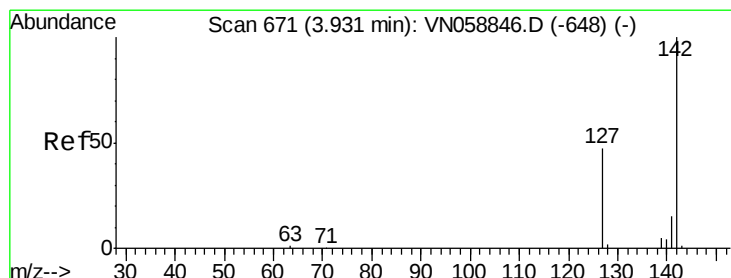
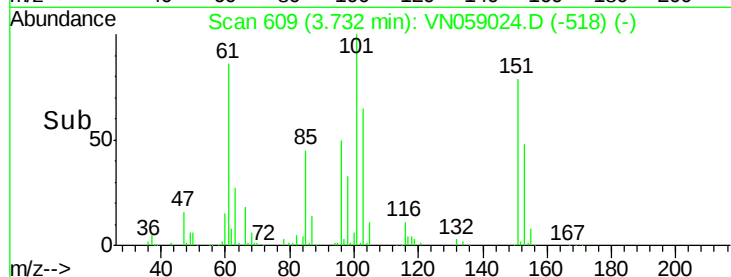
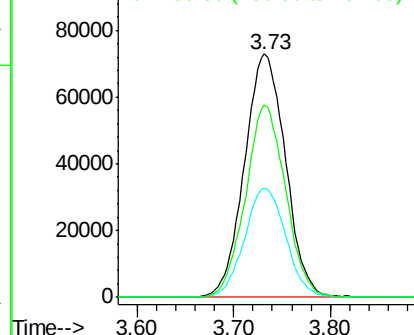
Tgt Ion:	101	Resp:	214730
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.2	55.8
151	77.3	59.9	89.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.069 ug/l

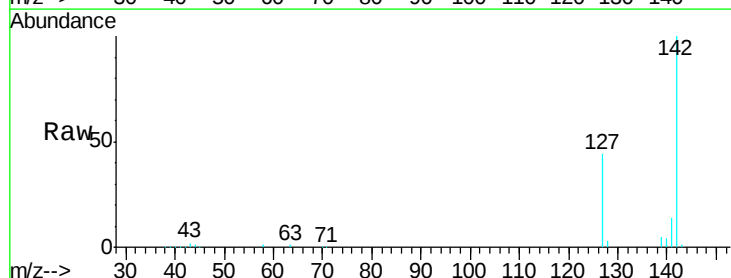
RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

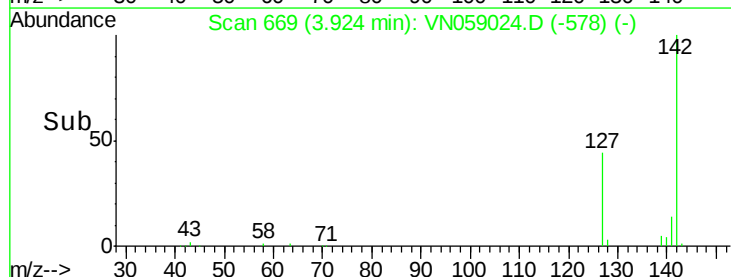
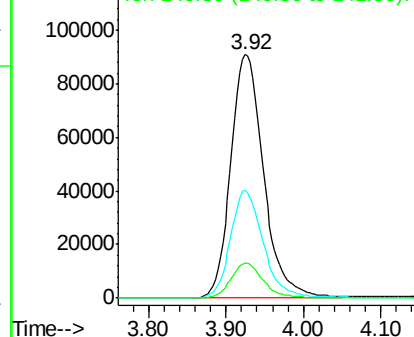
Lab File: VN059024.D

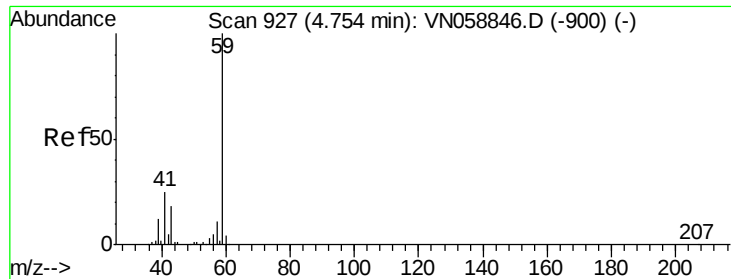
Acq: 31 Oct 2019 8:56

Tgt Ion:	142	Resp:	268772
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.6	54.8
141	14.0	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





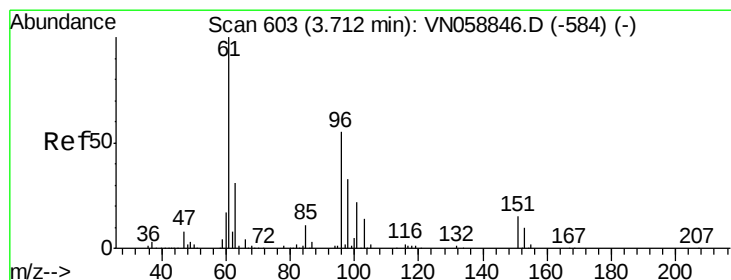
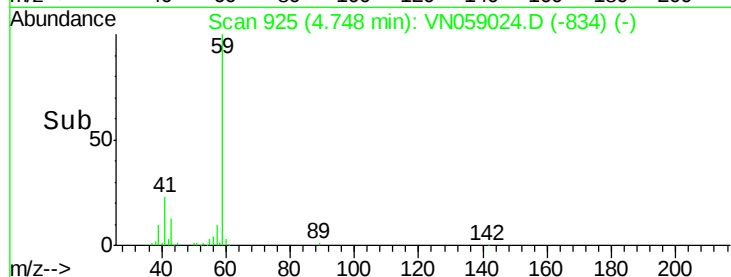
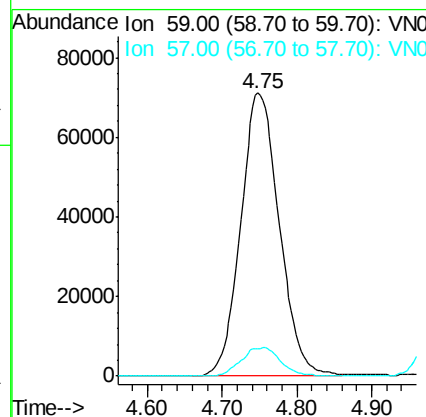
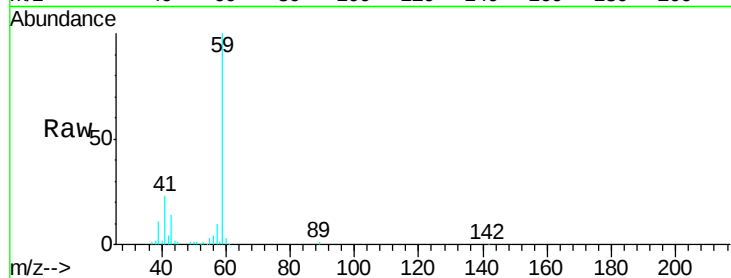
#11
Tert butyl alcohol
Concen: 248.512 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	255106		
57	10.2		8.6	12.8

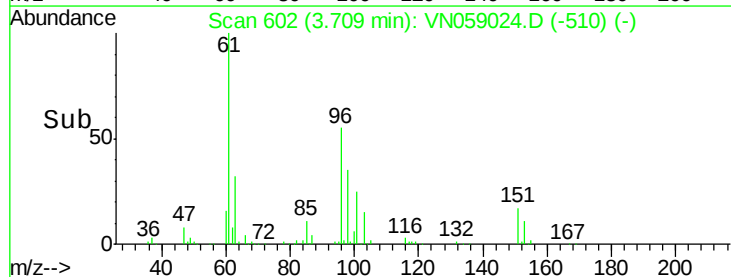
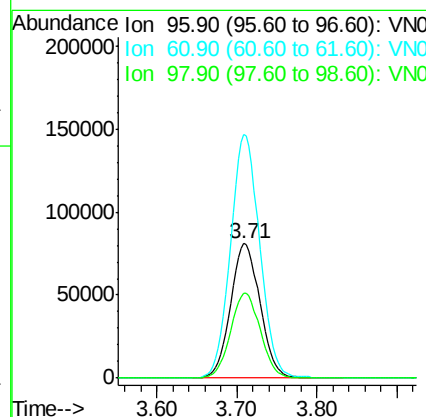
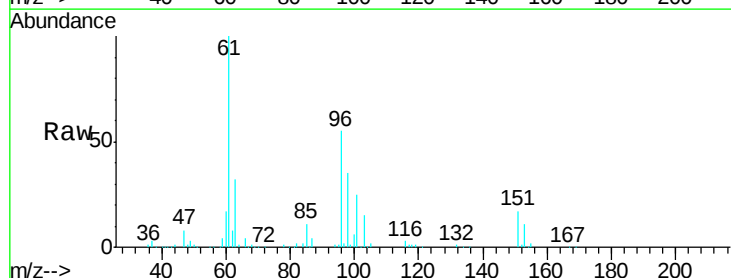
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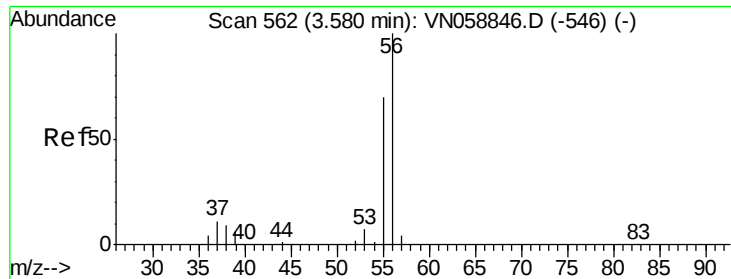
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#12
1,1-Dichloroethene
Concen: 48.897 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	203308		
61	181.2		146.2	219.2
98	63.0		48.7	73.1





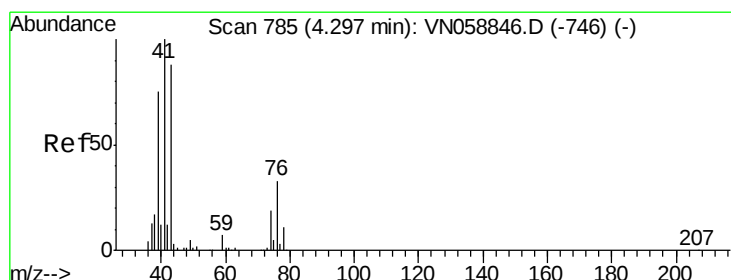
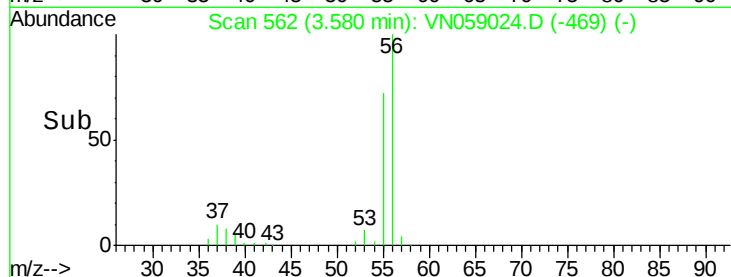
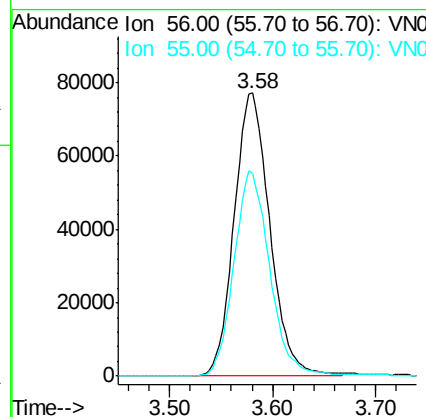
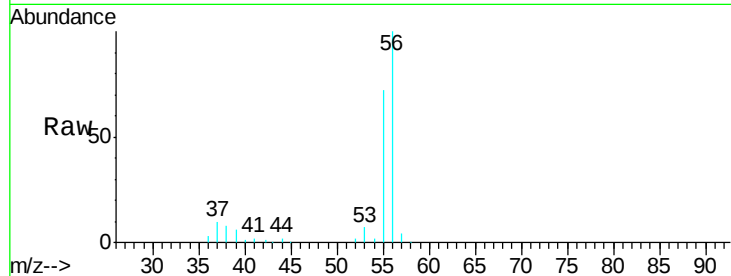
#13
 Acrolein
 Concen: 264.122 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.6	85.0

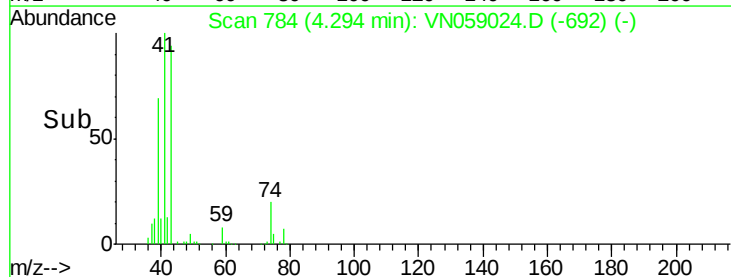
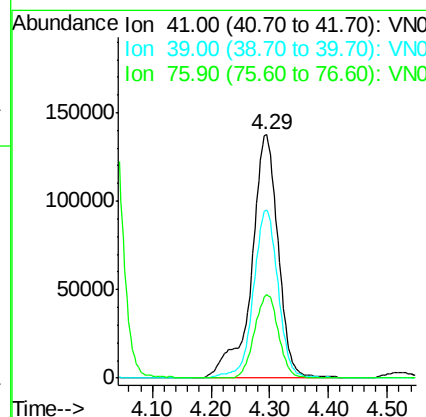
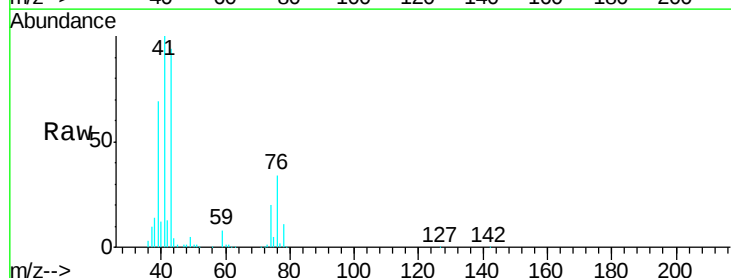
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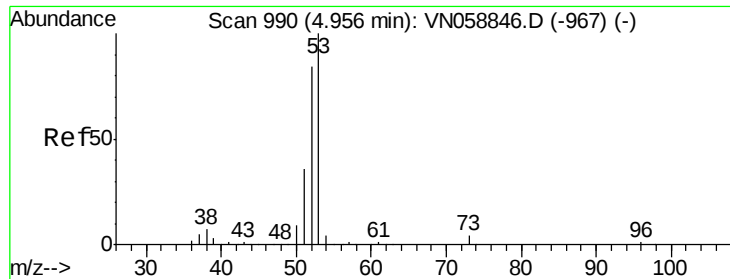
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#14
 Allyl chloride
 Concen: 51.630 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.7	55.9	83.9
76	30.2	24.1	36.1





#15

Acrylonitrile

Concen: 264.241 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

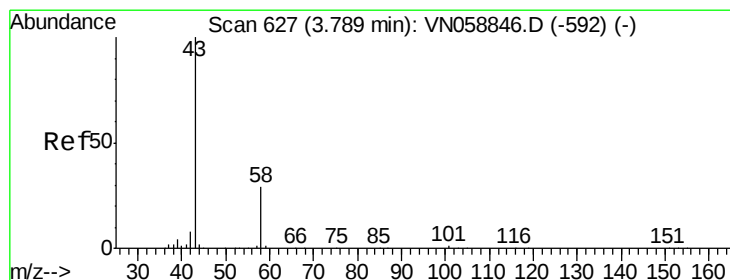
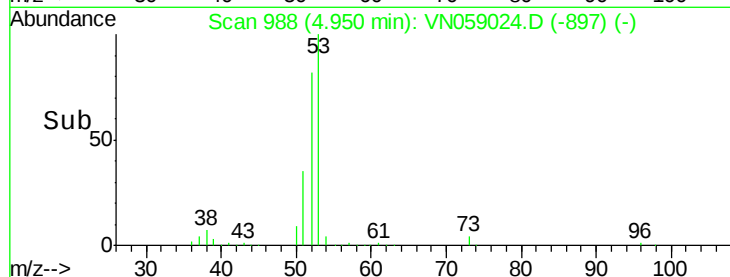
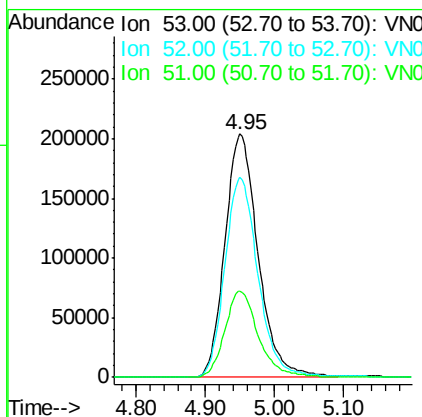
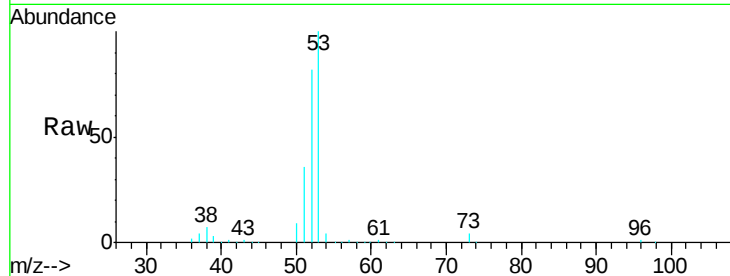
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	682311
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	99.8
51	35.9	29.2	43.8

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#16

Acetone

Concen: 285.904 ug/l

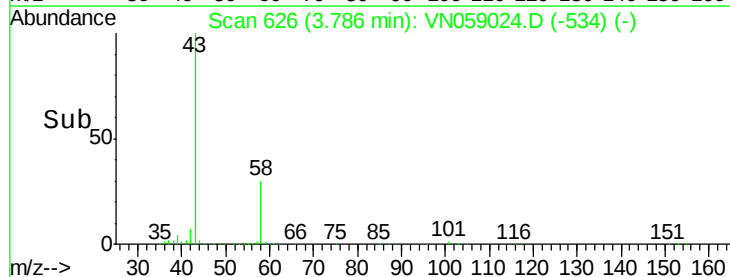
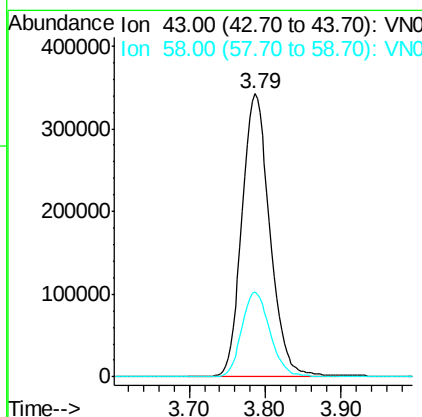
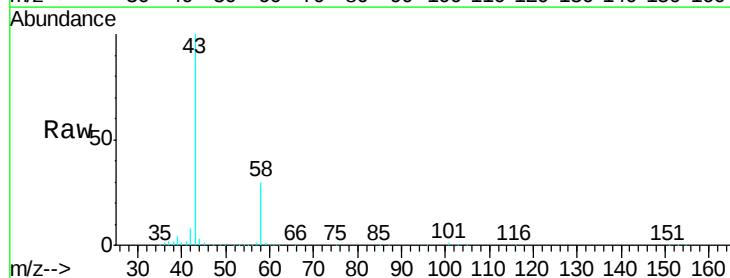
RT: 3.79 min Scan# 626

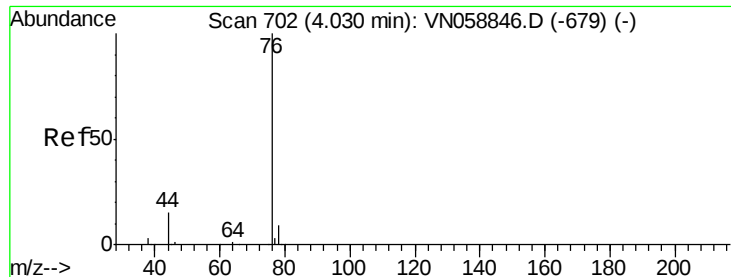
Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion:	43	Resp:	873933
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





#17

Carbon Disulfide

Concen: 42.116 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 564088

Ion Ratio Lower Upper

76 100

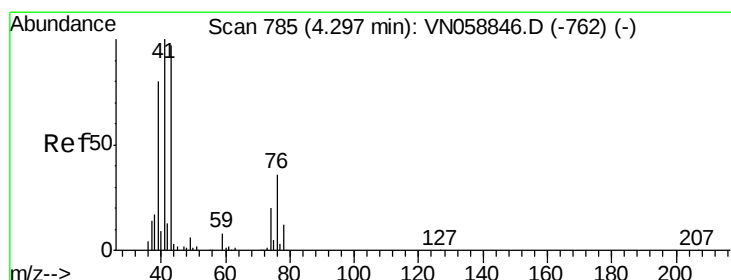
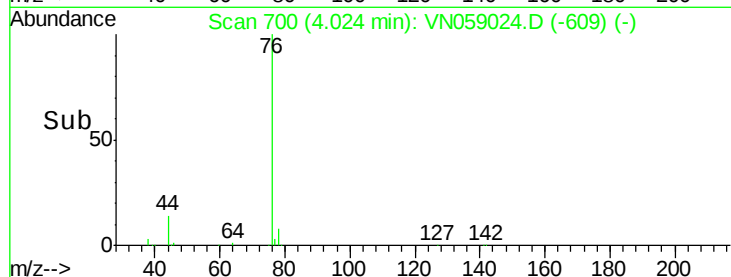
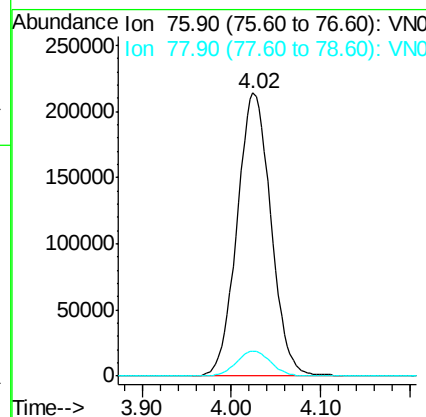
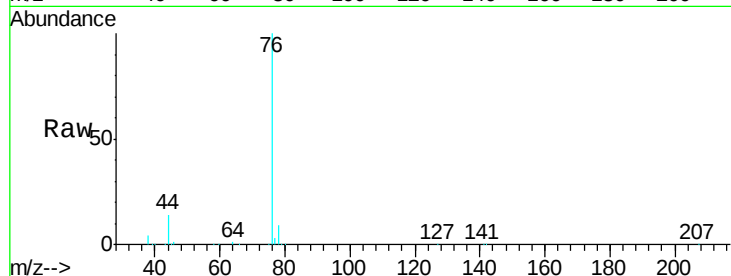
78 9.0 7.1 10.7

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#18

Methyl Acetate

Concen: 52.603 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059024.D

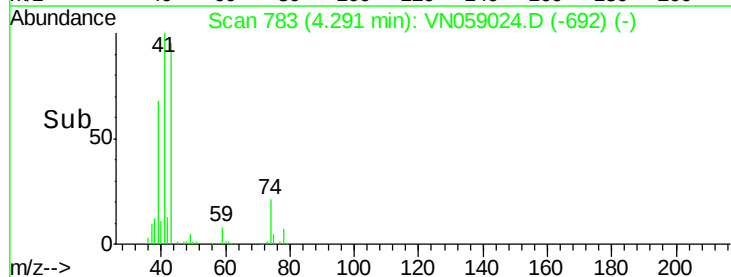
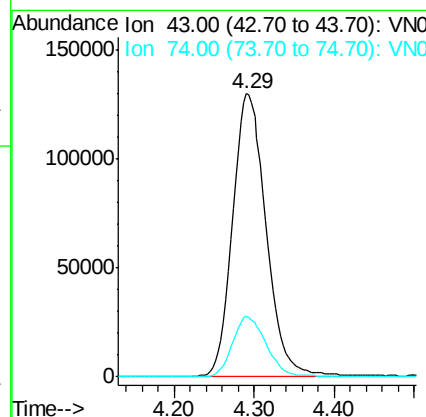
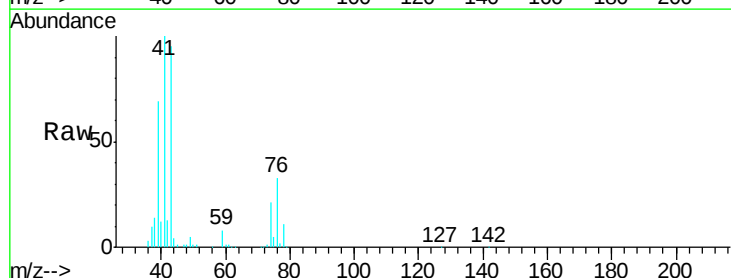
Acq: 31 Oct 2019 8:56

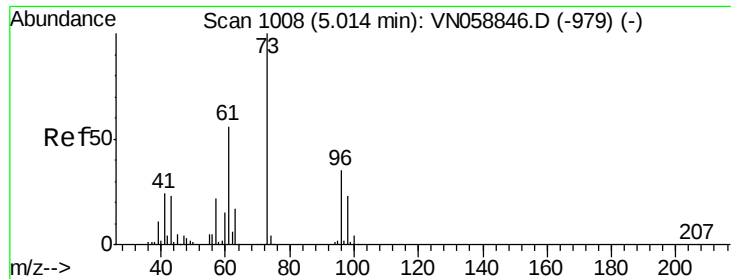
Tgt Ion: 43 Resp: 365568

Ion Ratio Lower Upper

43 100

74 21.9 17.1 25.7





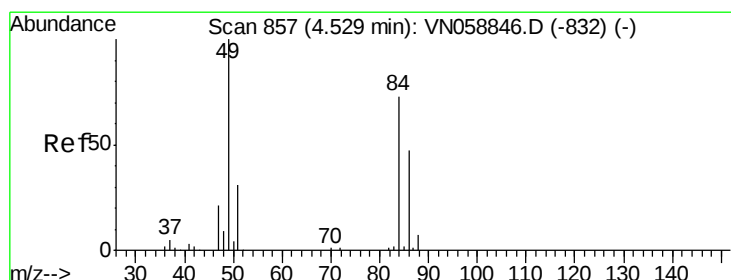
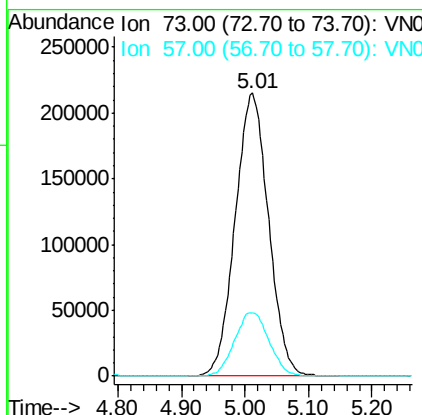
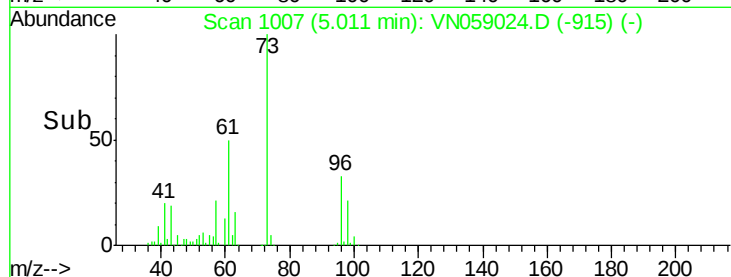
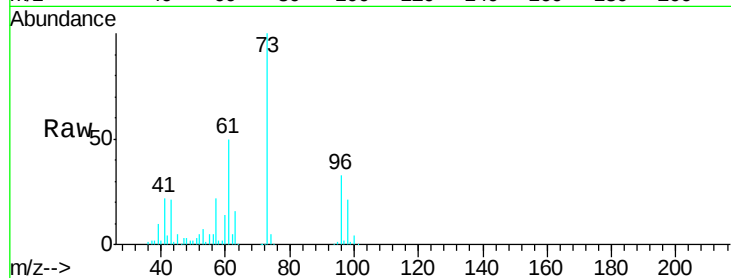
#19
Methyl tert-butyl Ether
Concen: 53.793 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 783185
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

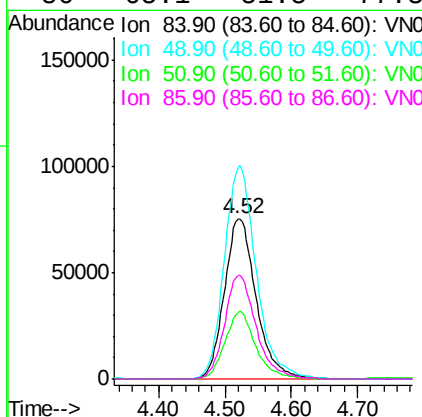
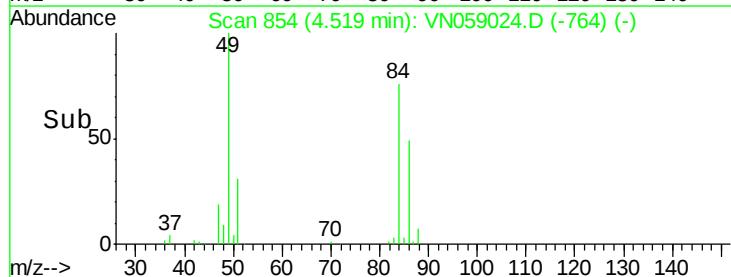
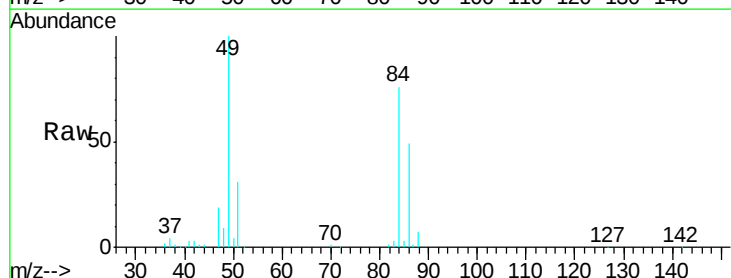
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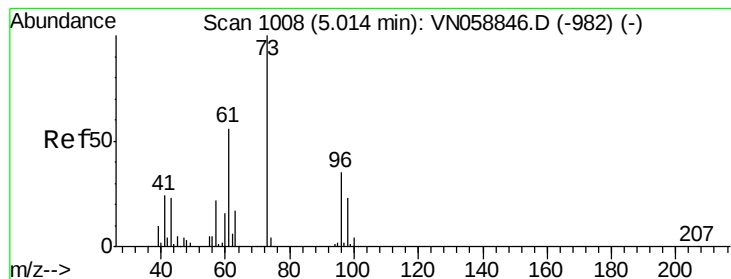
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#20
Methylene Chloride
Concen: 48.234 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion: 84 Resp: 251753
Ion Ratio Lower Upper
84 100
49 132.3 109.6 164.4
51 41.4 33.8 50.6
86 65.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.895 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

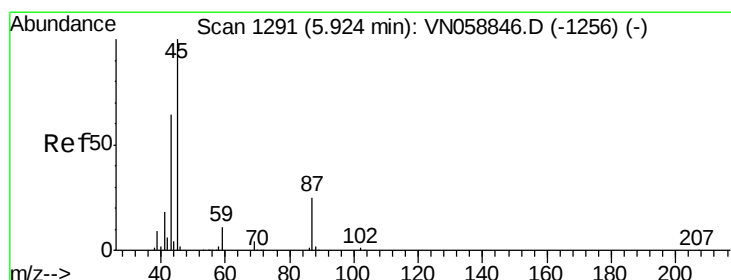
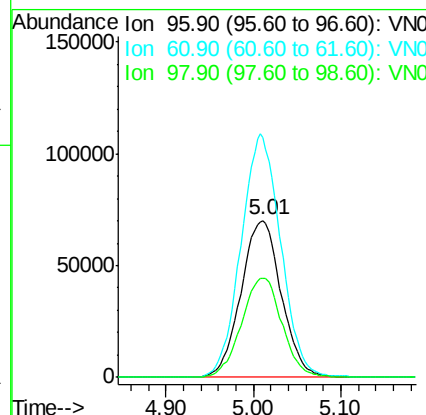
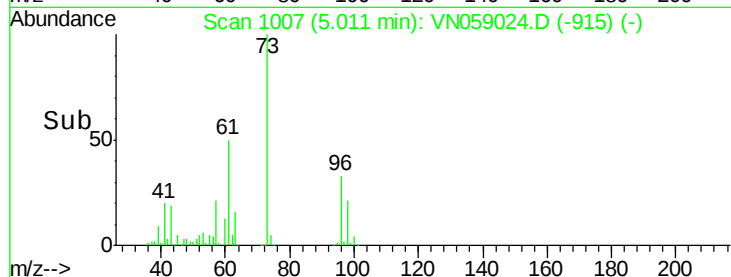
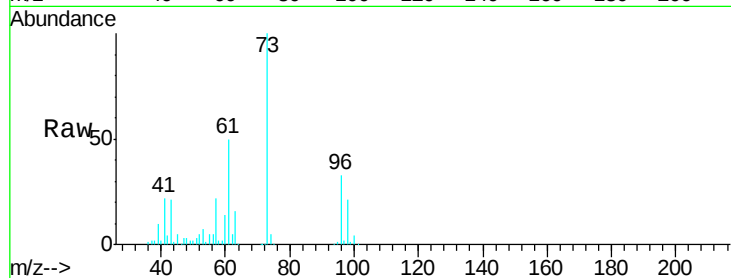
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	224515
Ion	Ratio	Lower	Upper
96	100		
61	152.8	126.7	190.1
98	63.6	52.0	78.0

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#22

Diisopropyl ether

Concen: 54.644 ug/l

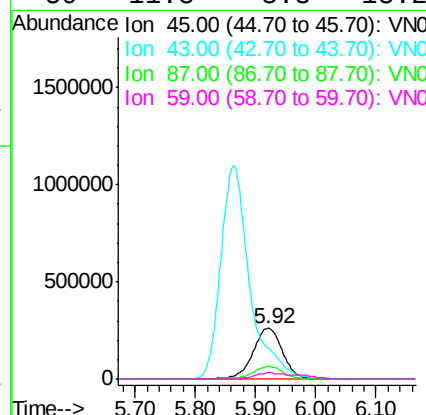
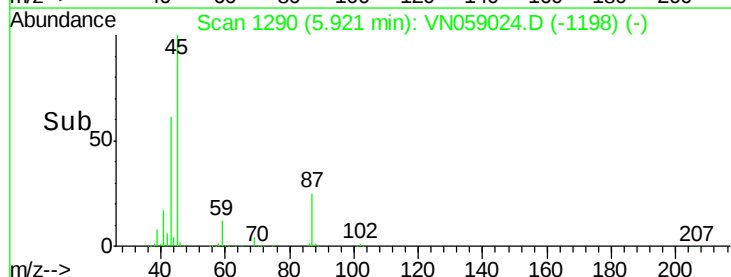
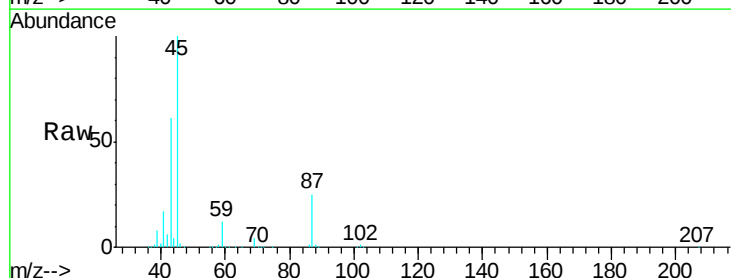
RT: 5.92 min Scan# 1290

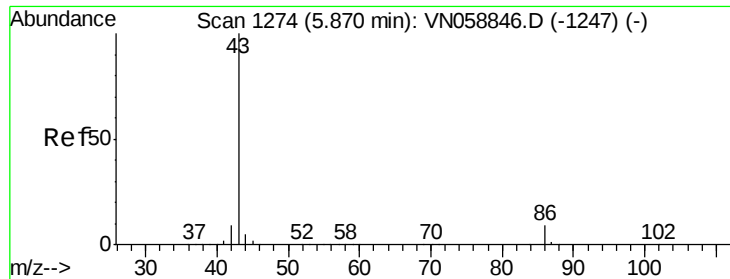
Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion:	45	Resp:	899266
Ion	Ratio	Lower	Upper
45	100		
43	60.3	52.9	79.3
87	24.9	20.2	30.4
59	11.8	8.8	13.2





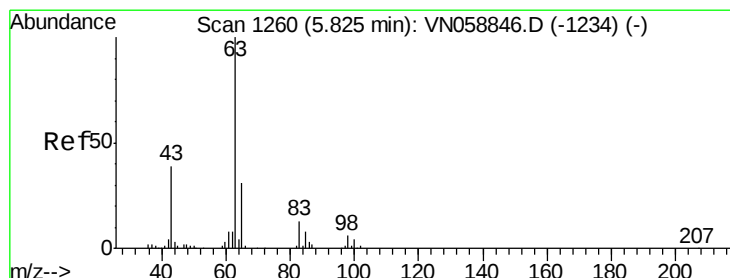
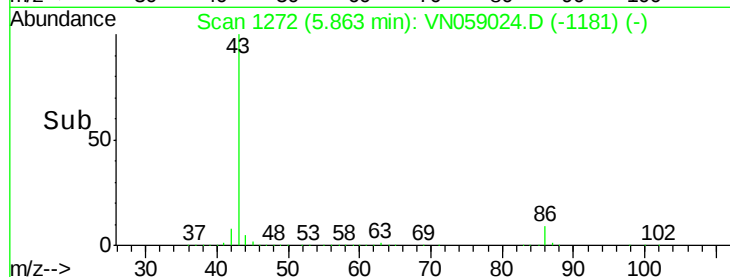
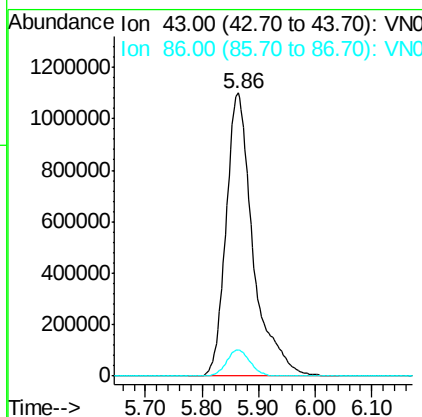
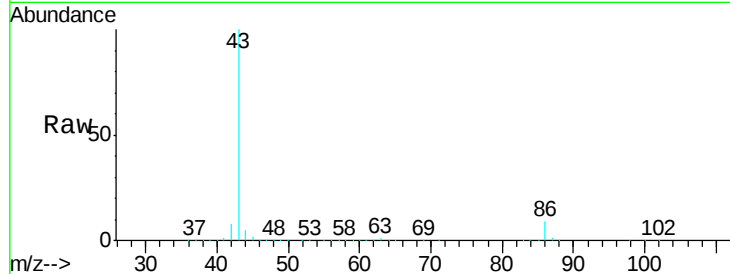
#23
 Vinyl Acetate
 Concen: 276.291 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 3653075
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.2 10.8

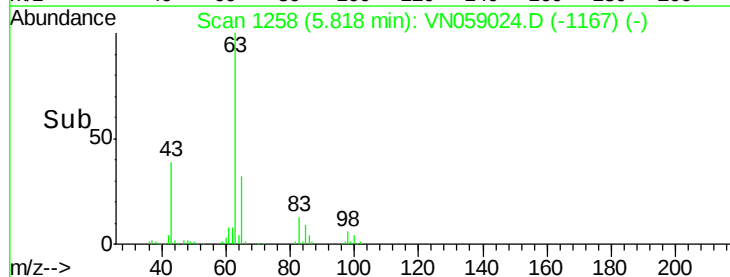
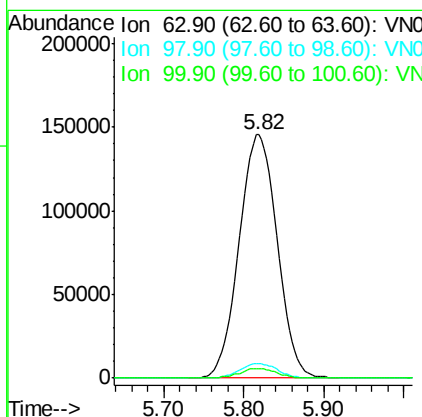
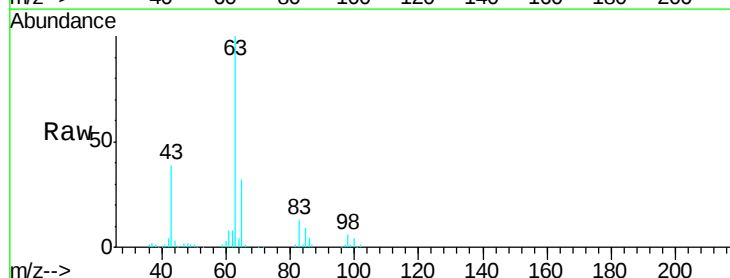
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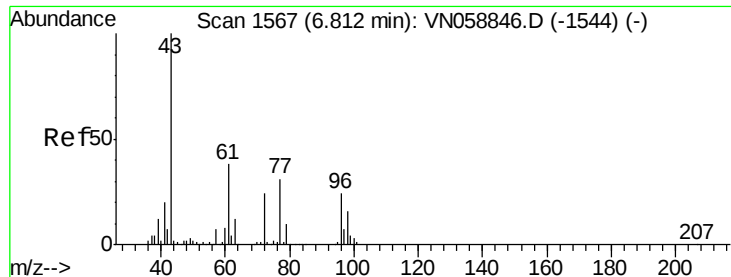
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#24
 1,1-Dichloroethane
 Concen: 49.353 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion: 63 Resp: 470947
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 264.627 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1050030

Ion Ratio Lower Upper

43 100

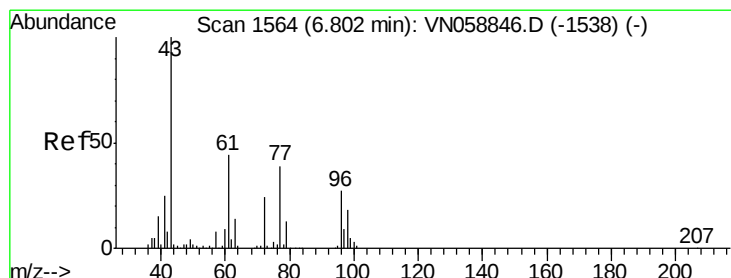
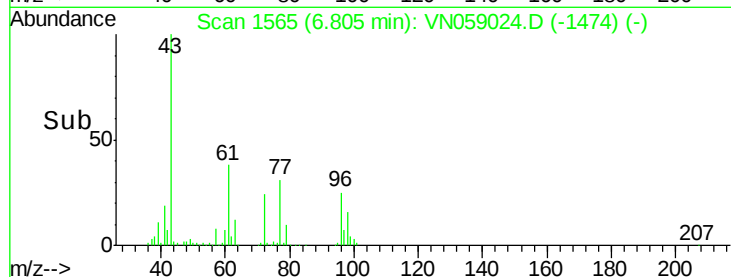
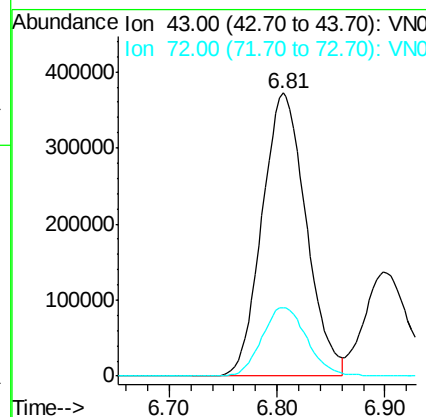
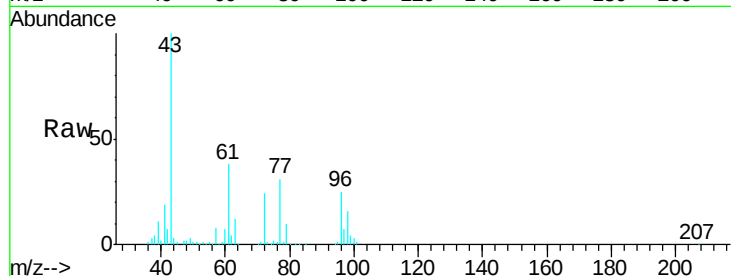
72 24.4 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.991 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059024.D

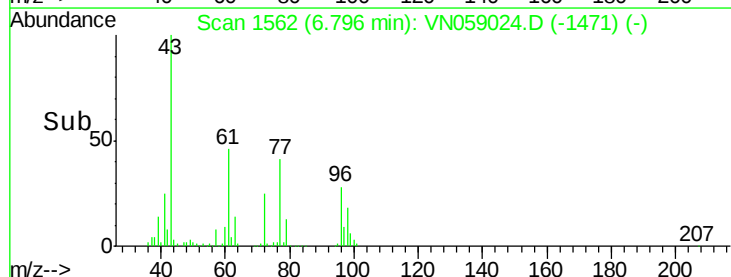
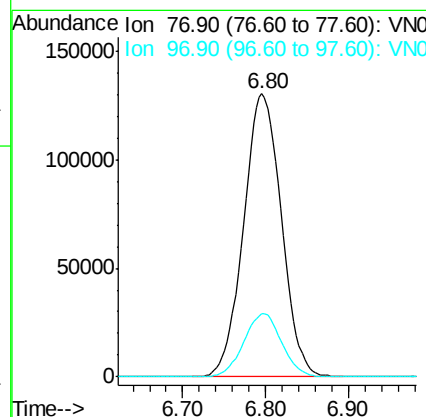
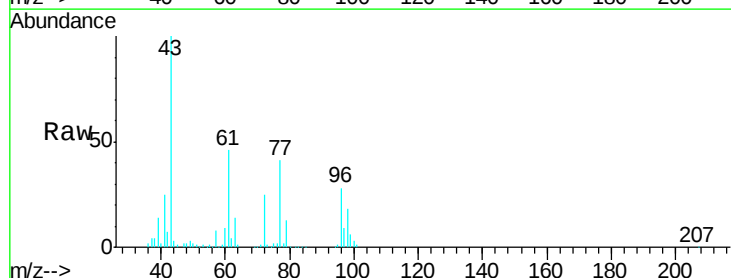
Acq: 31 Oct 2019 8:56

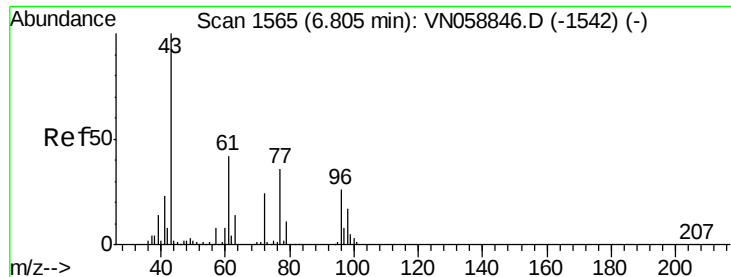
Tgt Ion: 77 Resp: 412620

Ion Ratio Lower Upper

77 100

97 22.5 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 51.531 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

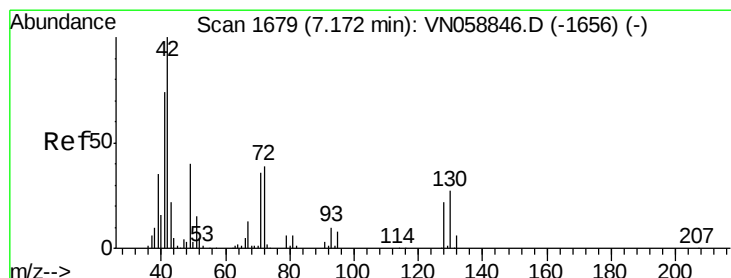
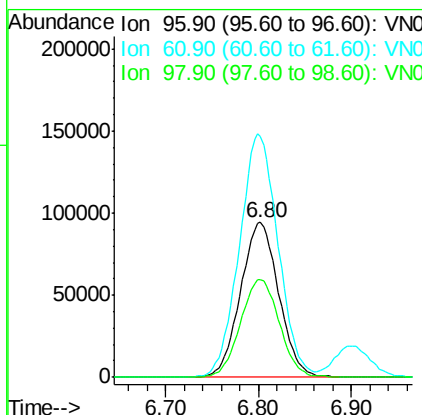
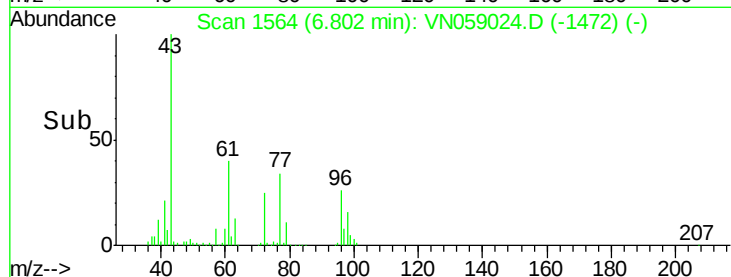
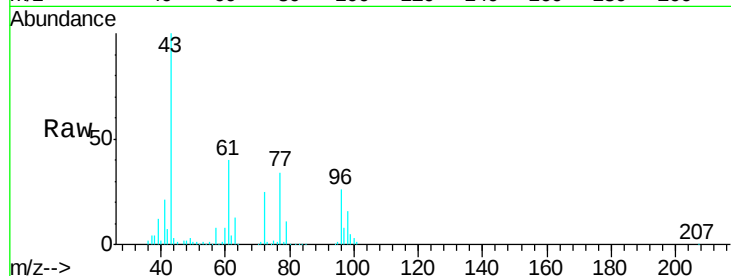
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	270305
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	325.0
98	64.6	0.0	128.0

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#28

Bromochloromethane

Concen: 46.141 ug/l

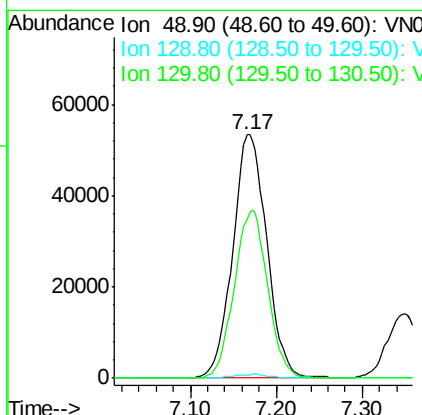
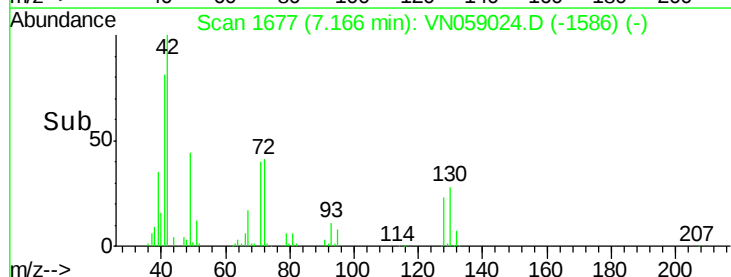
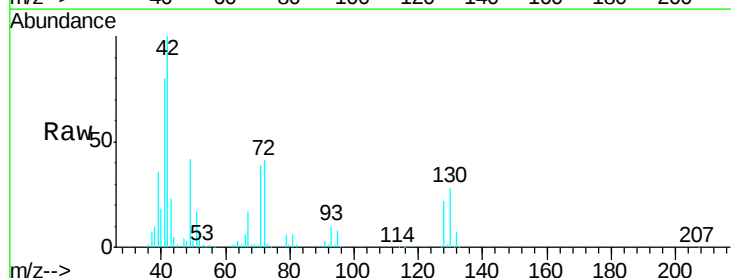
RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion:	49	Resp:	146636
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	67.5	53.5	80.3





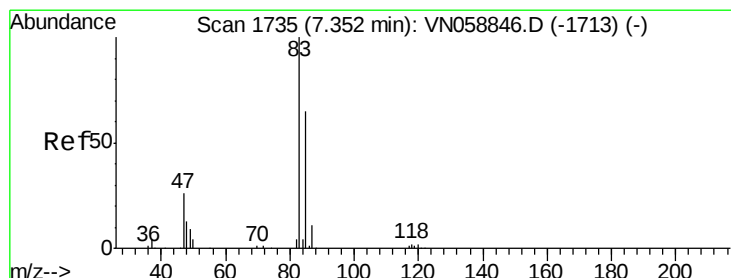
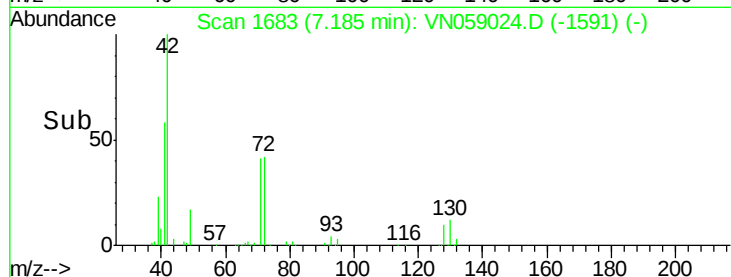
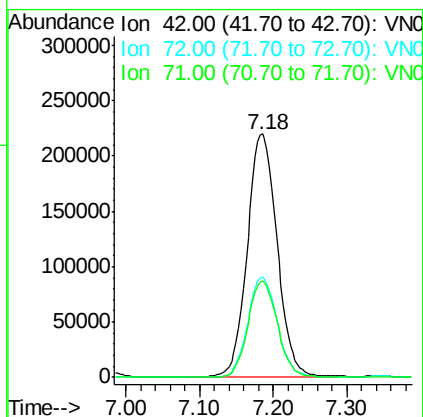
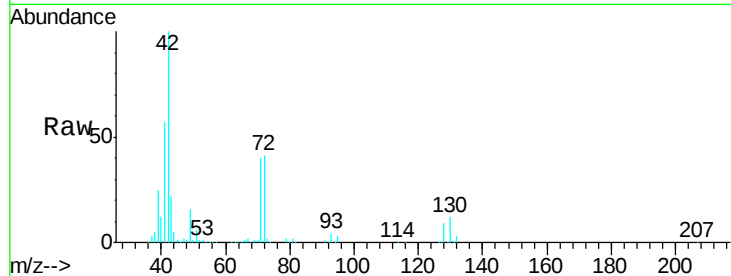
#29
Tetrahydrofuran
Concen: 255.909 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.2	48.2
71	38.9	30.6	45.8

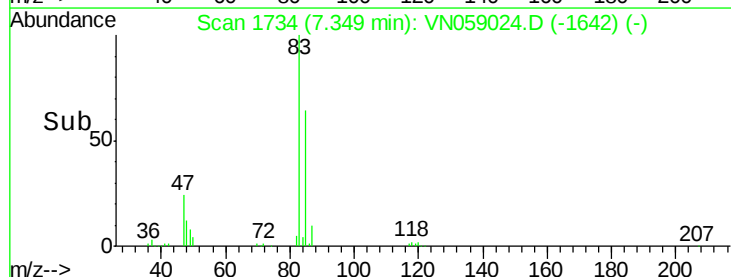
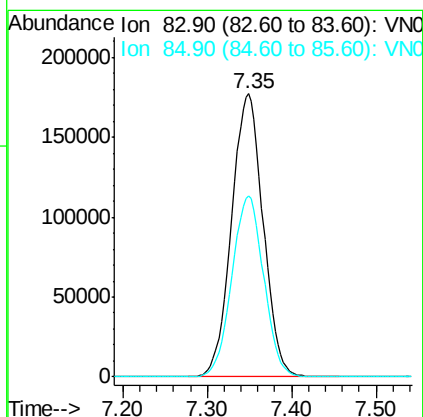
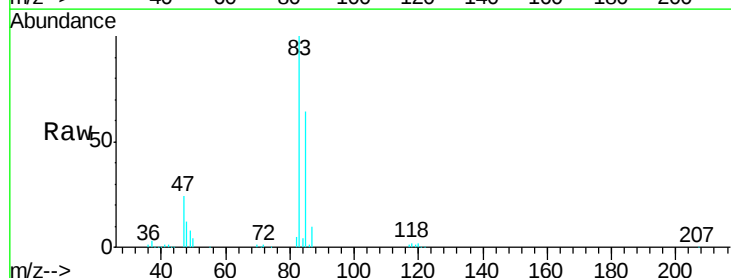
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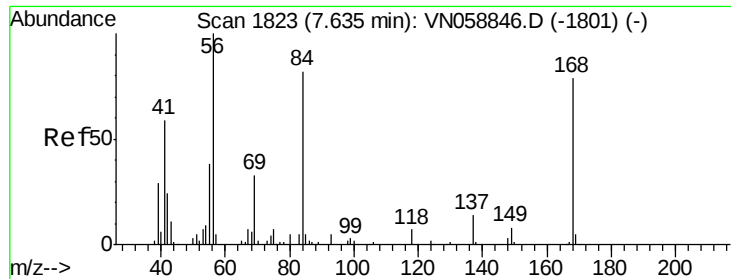
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11/4/2019 7:04:06 AM



#30
Chloroform
Concen: 48.203 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





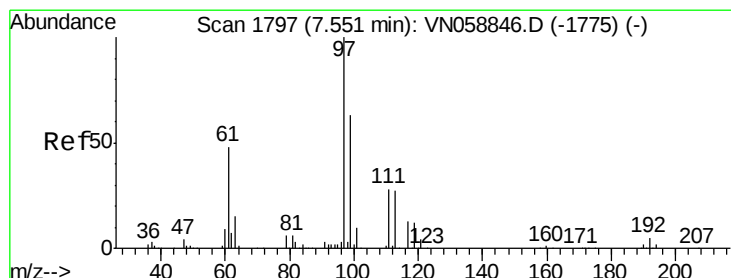
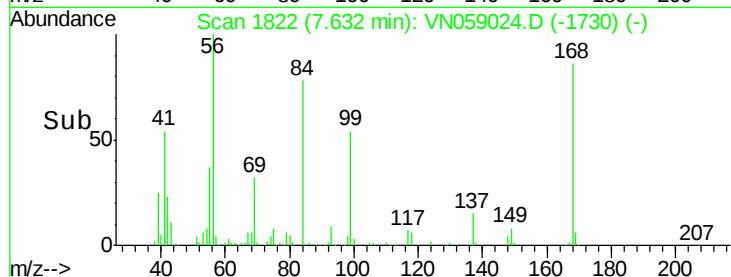
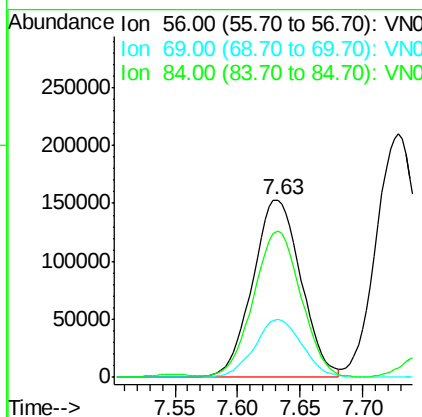
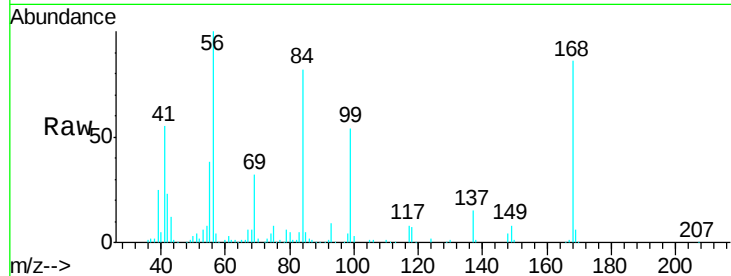
#31
Cyclohexane
Concen: 46.215 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.2	39.4
84	81.3	65.6	98.4

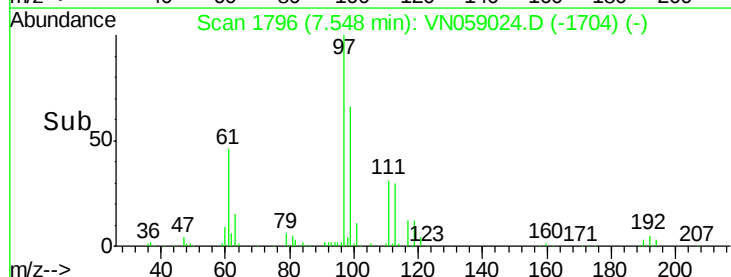
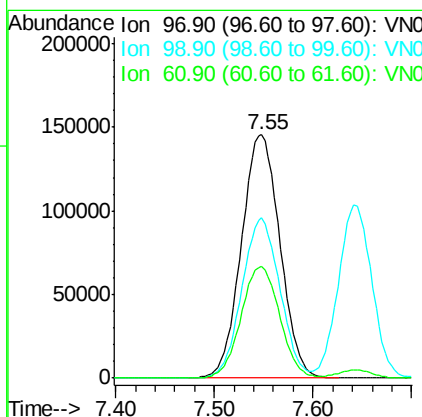
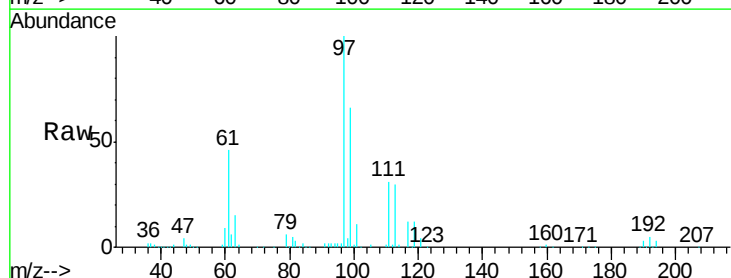
Manual Integrations
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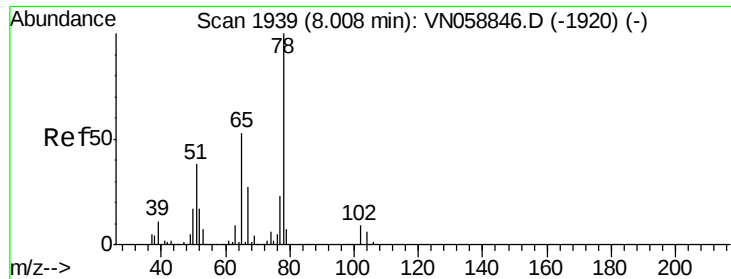
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#32
1,1,1-Trichloroethane
Concen: 48.746 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	46.0	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 44.113 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 272880

Ion Ratio Lower Upper

65 100

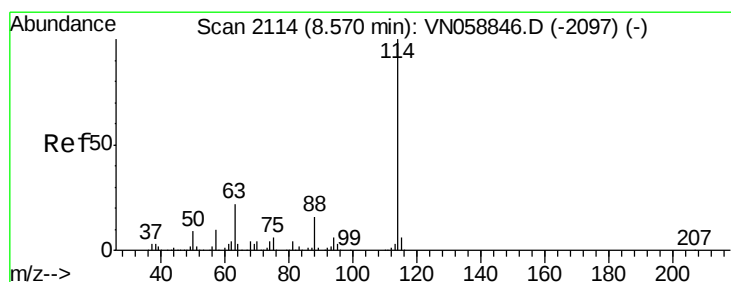
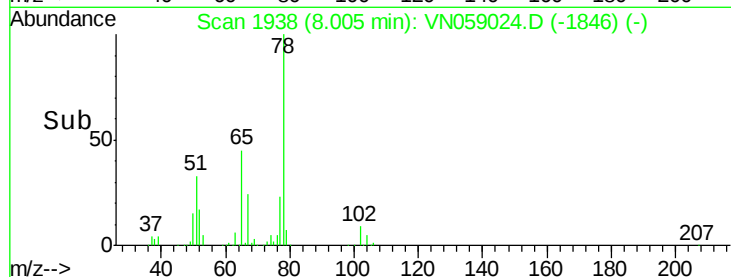
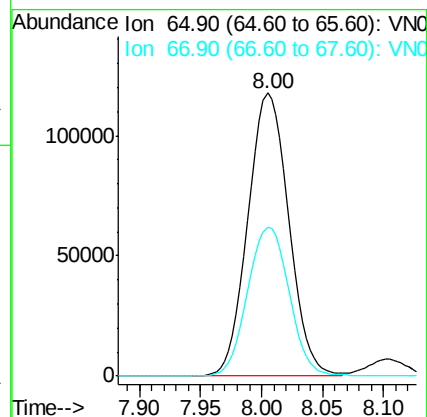
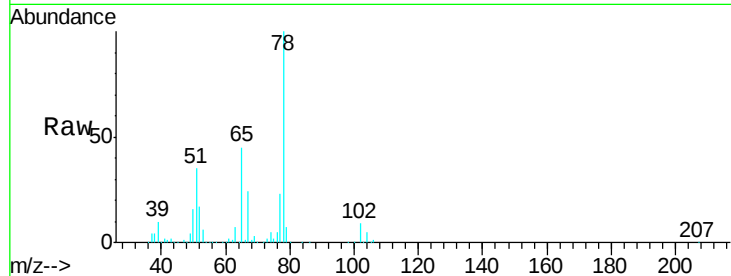
67 53.9 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

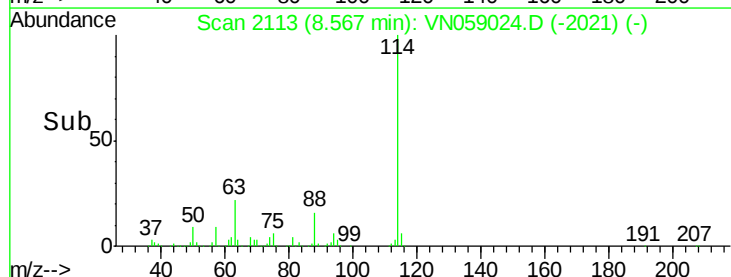
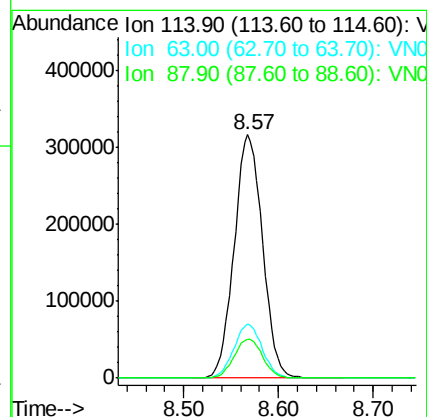
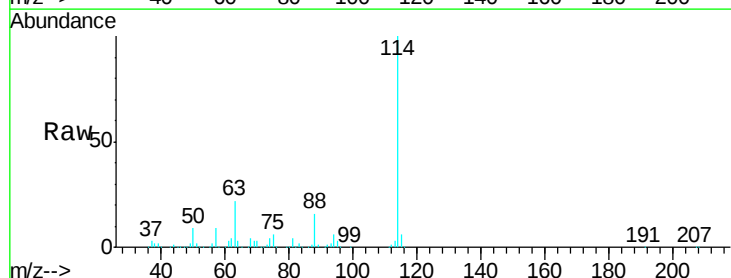
Tgt Ion: 114 Resp: 658120

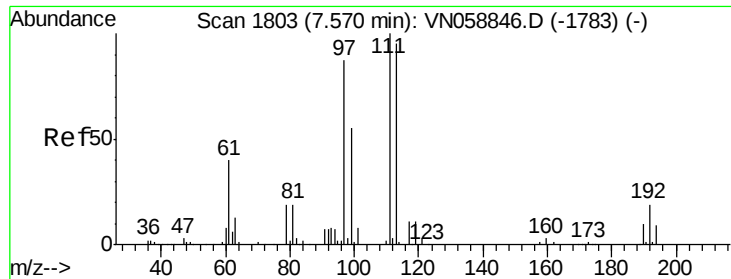
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

88 16.2 0.0 31.4





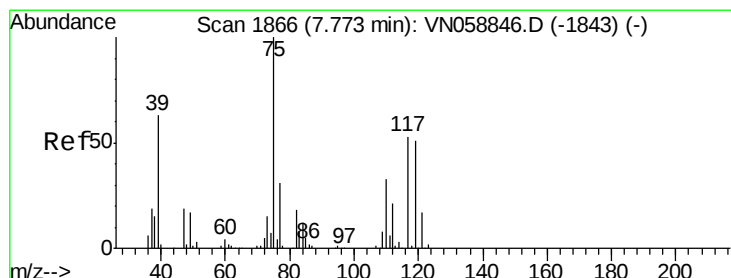
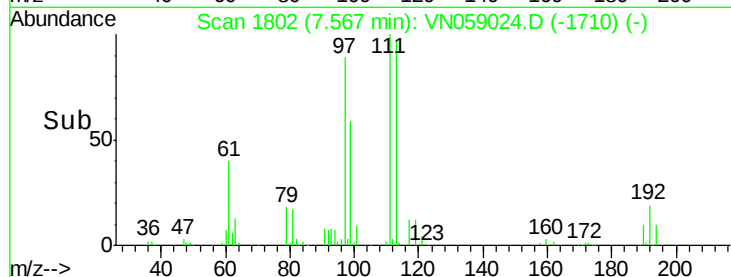
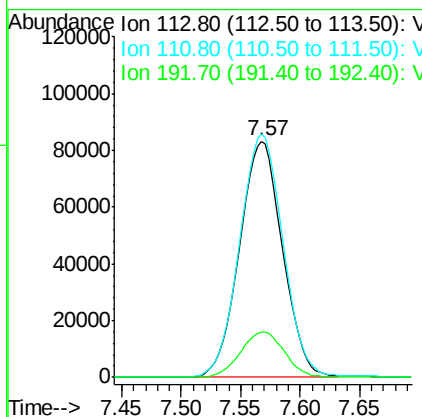
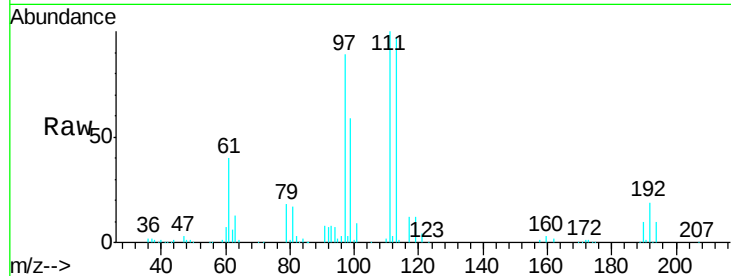
#35
Dibromofluoromethane
Concen: 48.196 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	208541		
111	104.0	82.0	123.0	
192	19.8	15.0	22.6	

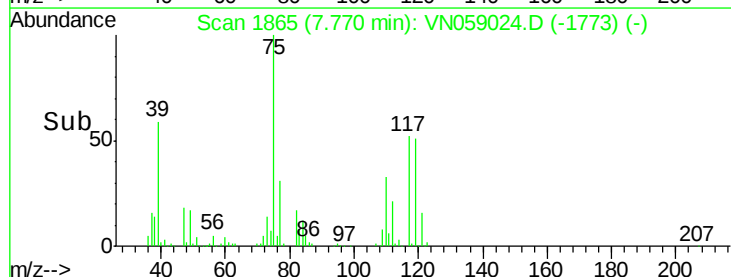
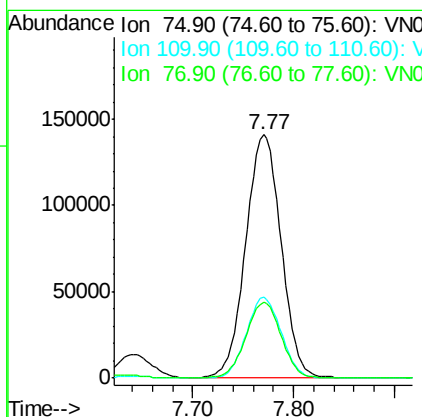
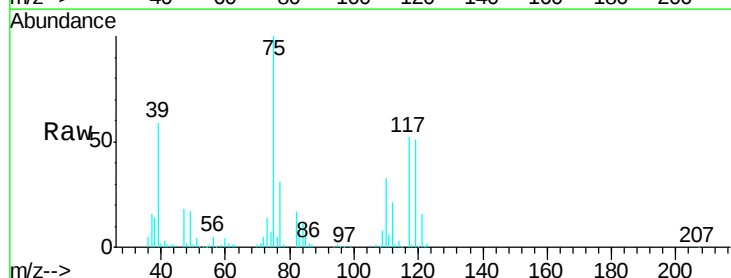
Manual Integrations
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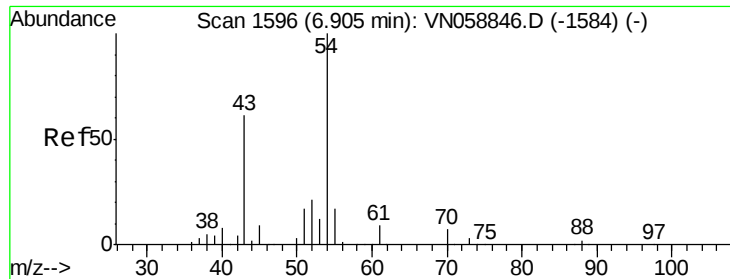
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#36
1,1-Dichloropropene
Concen: 50.726 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	341784		
110	32.8	16.3	48.9	
77	31.3	24.6	36.8	





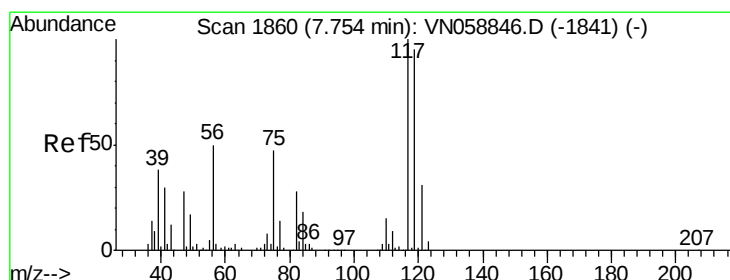
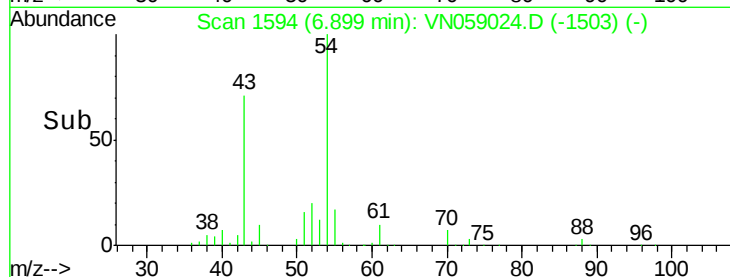
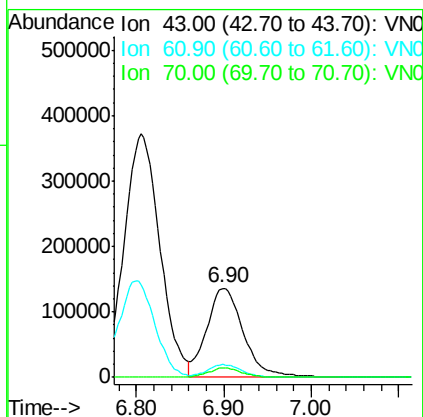
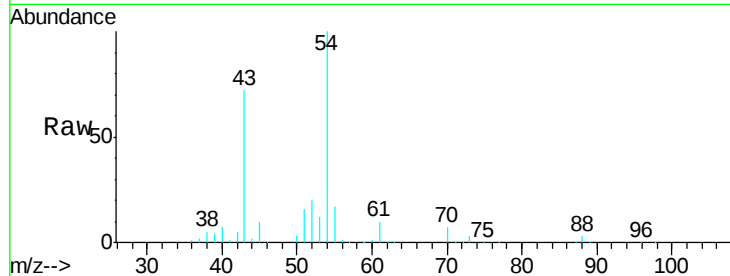
#37
Ethyl Acetate
Concen: 53.410 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.7	7.6	11.4

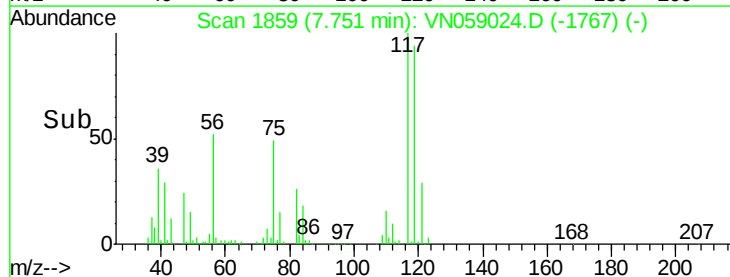
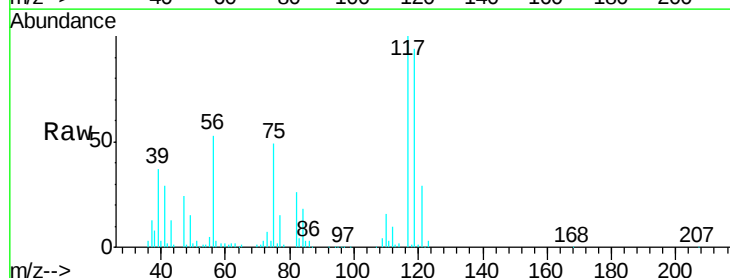
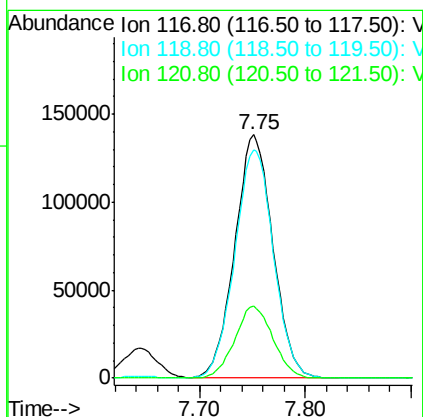
Manual Integrations
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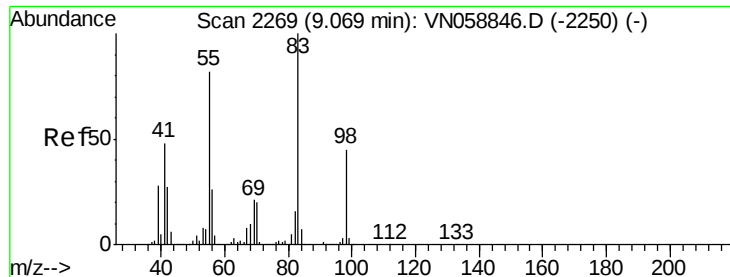
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#38
Carbon Tetrachloride
Concen: 49.801 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.7	113.5
121	29.5	25.0	37.6





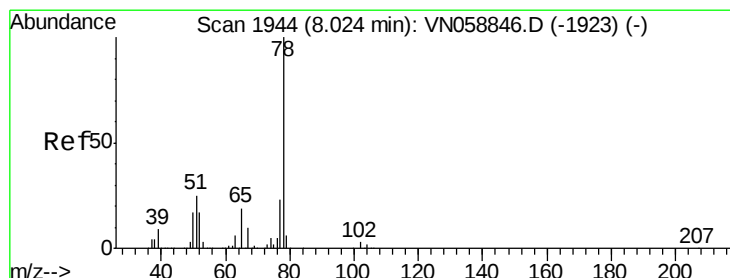
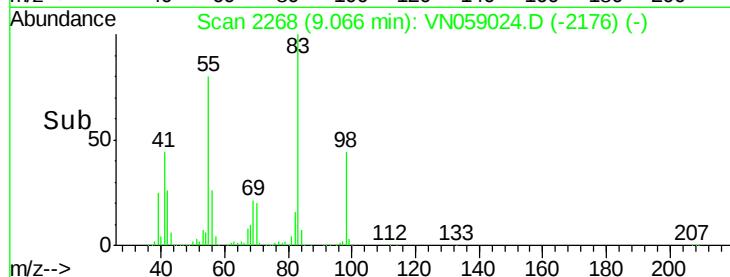
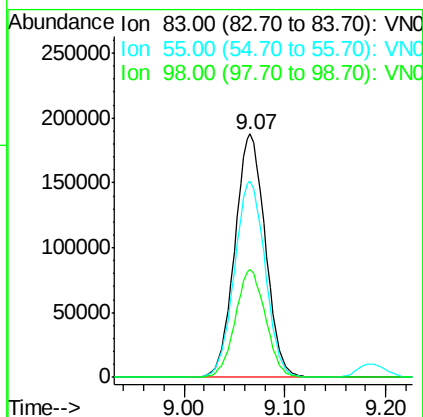
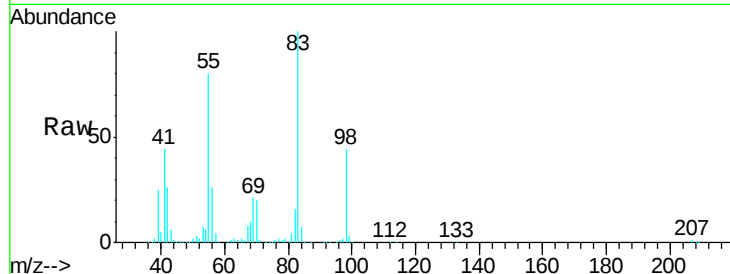
#39
Methylcyclohexane
Concen: 51.888 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.4	65.5	98.3
98	44.2	35.7	53.5

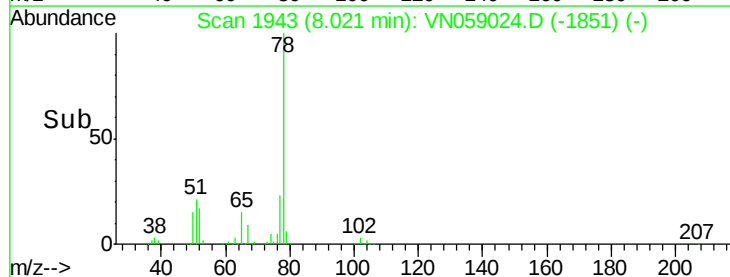
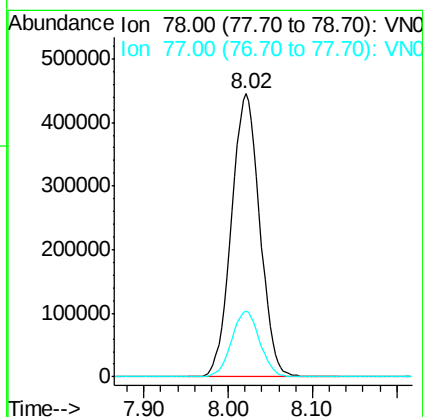
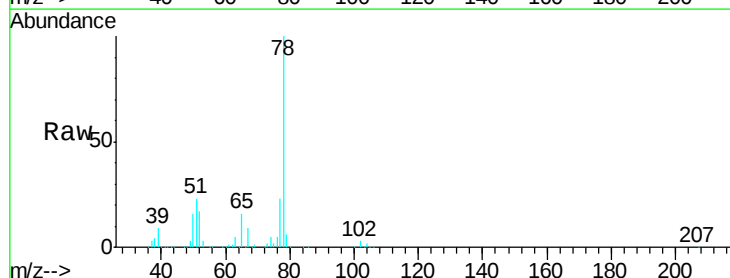
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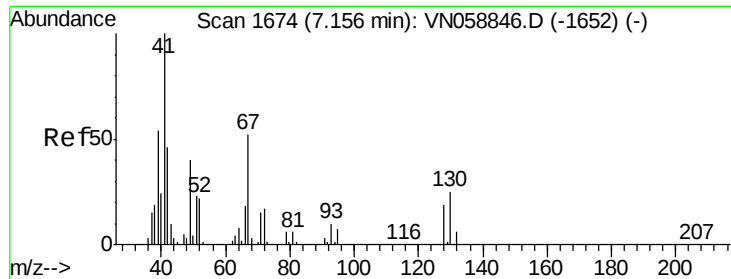
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#40
Benzene
Concen: 52.578 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2





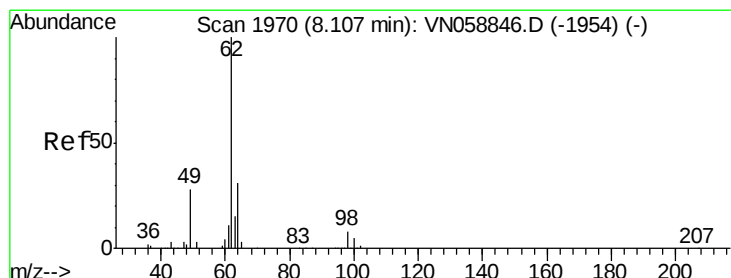
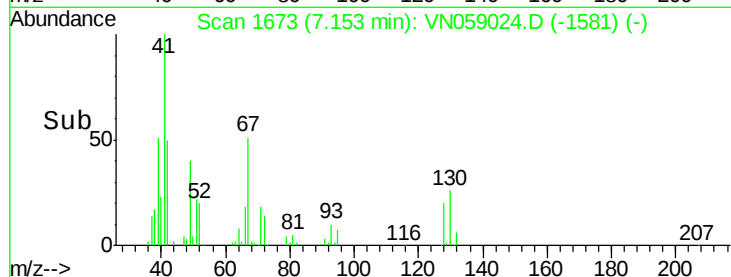
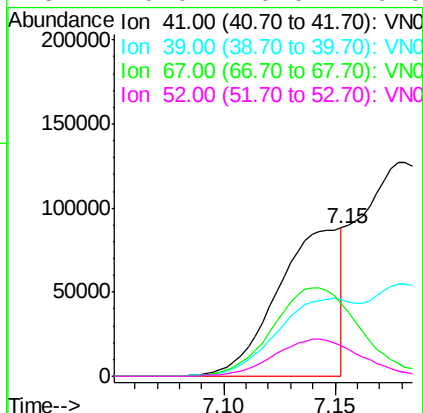
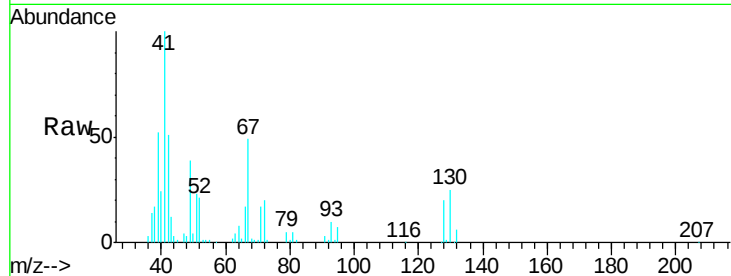
#41
Methacrylonitrile
Concen: 53.807 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

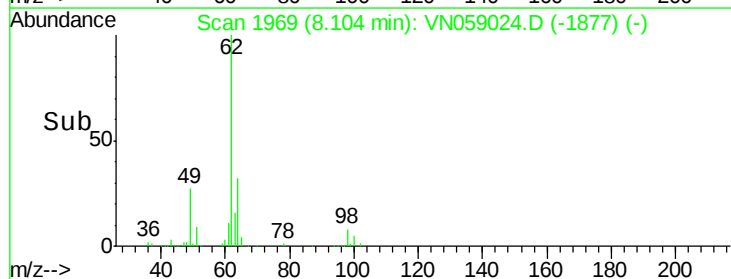
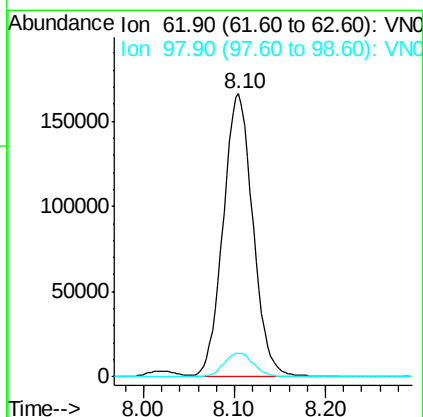
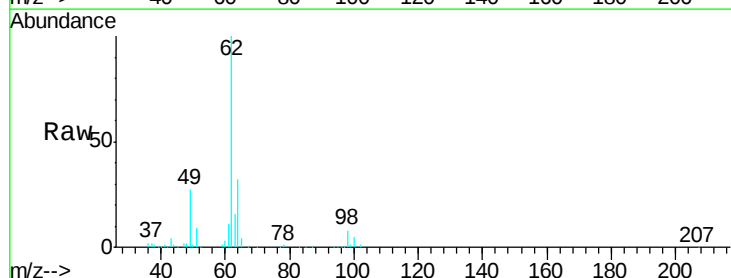
Manual Integrations
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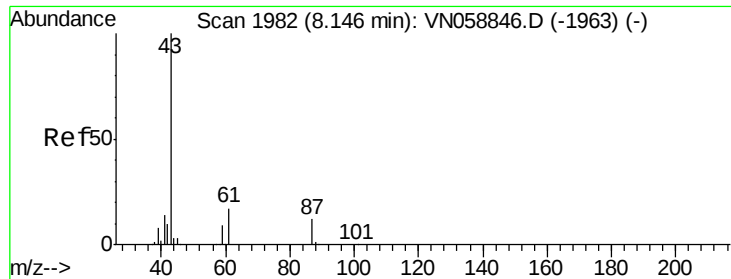
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.510 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
62	100		
98	8.4	0.0	16.2





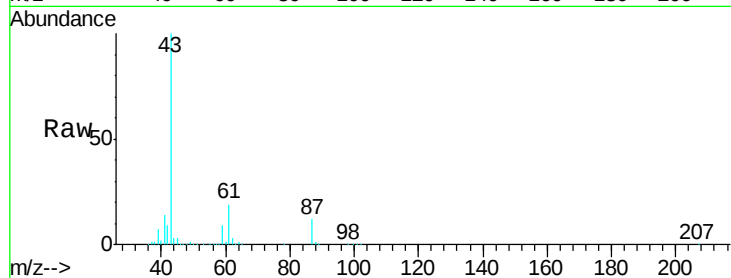
#43
Isopropyl Acetate
Concen: 53.472 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.2	30.2
87	12.1	9.5	14.3

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

8.14

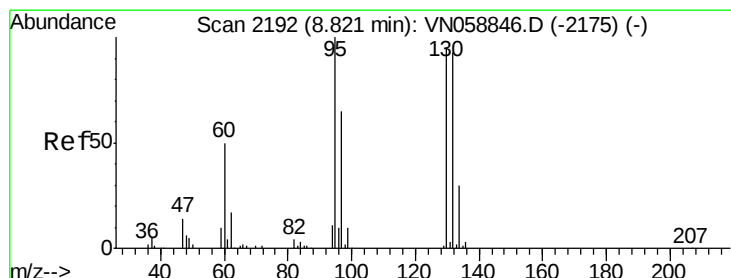
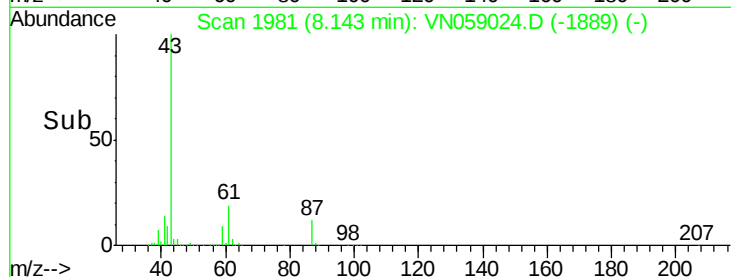
300000

200000

100000

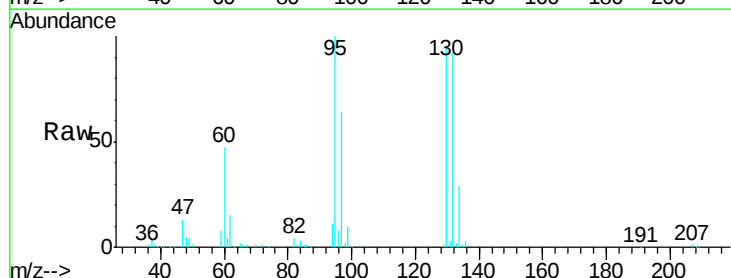
0

Time--> 8.00 8.10 8.20 8.30



#44
Trichloroethene
Concen: 51.762 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

8.82

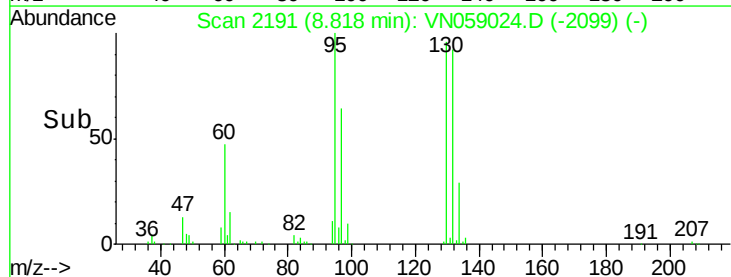
150000

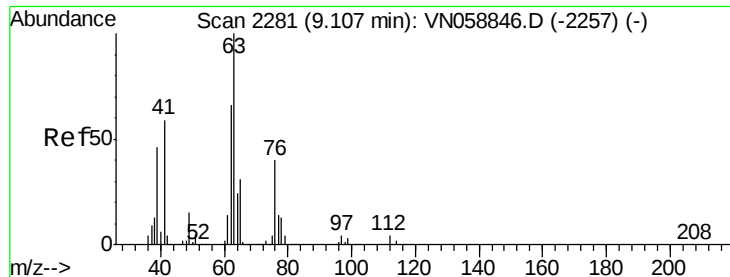
100000

50000

0

Time--> 8.70 8.80 8.90





#45

1,2-Dichloropropane

Concen: 53.472 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 290109

Ion Ratio Lower Upper

63 100

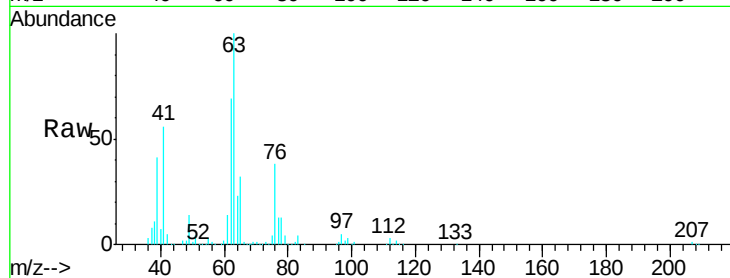
65 31.5 24.5 36.7

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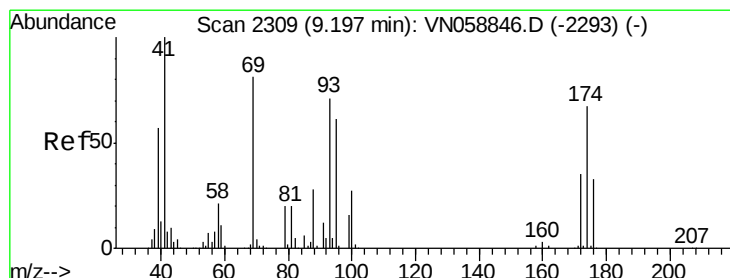
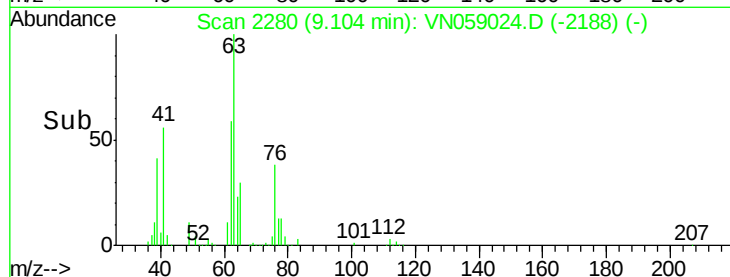
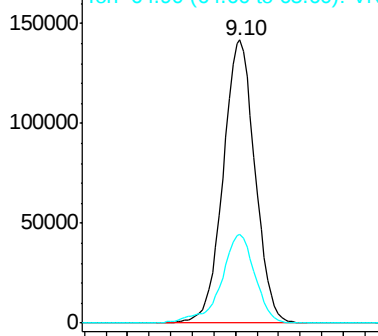
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.925 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

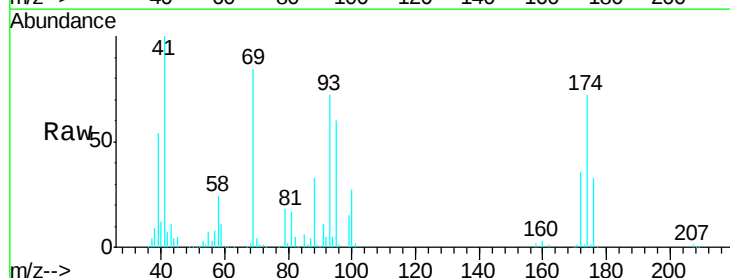
Tgt Ion: 93 Resp: 174665

Ion Ratio Lower Upper

93 100

95 83.7 67.6 101.4

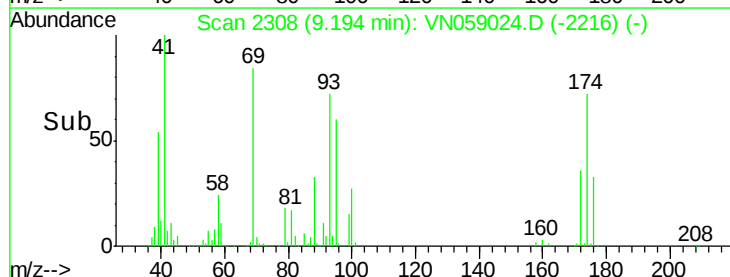
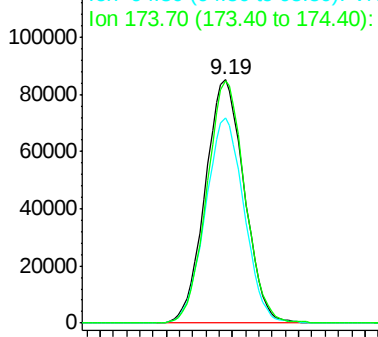
174 97.3 74.1 111.1

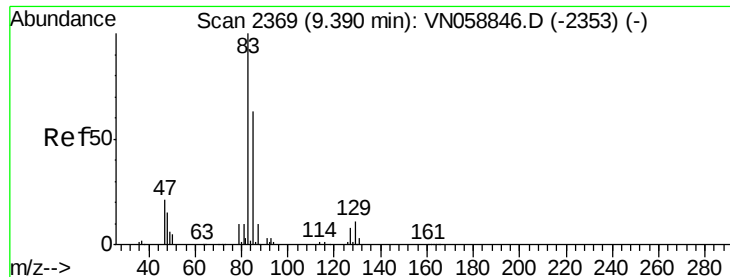


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.758 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

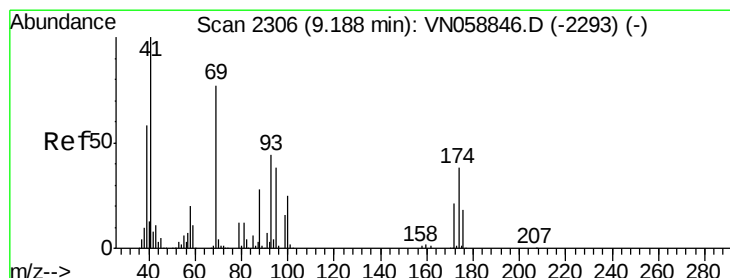
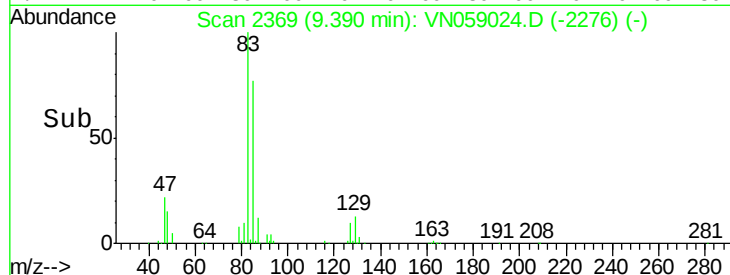
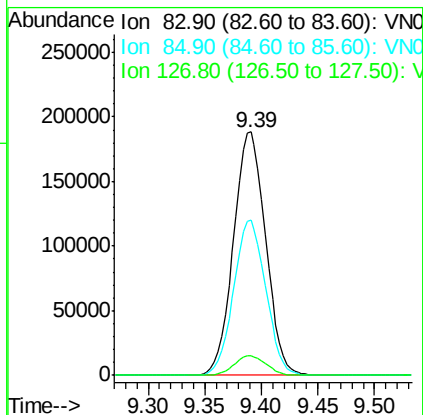
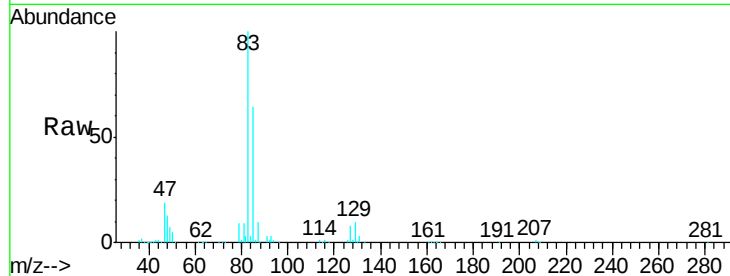
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	372953
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.6	75.8
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.377 ug/l

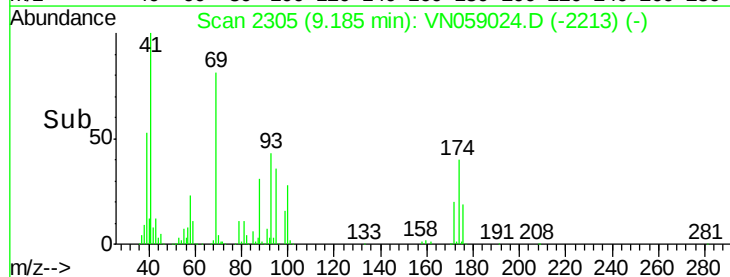
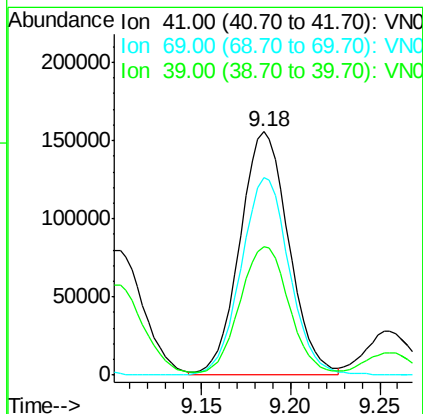
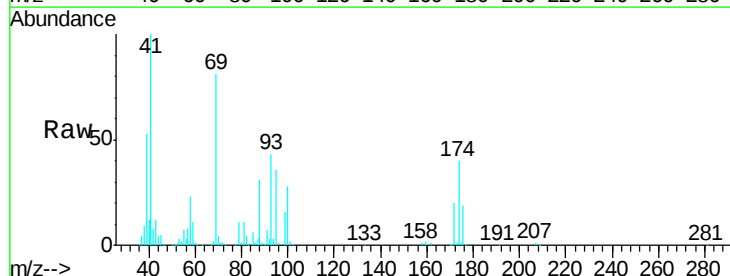
RT: 9.18 min Scan# 2305

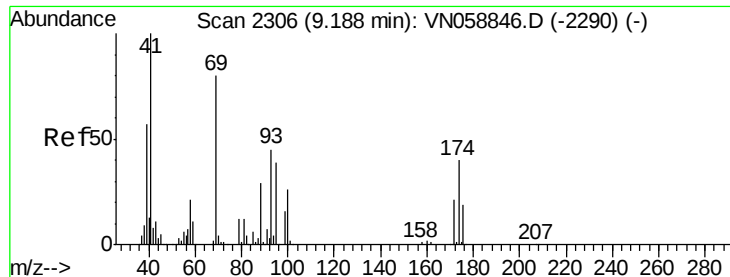
Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion:	41	Resp:	295827
Ion Ratio	Lower	Upper	
41	100		
69	80.9	63.8	95.6
39	53.8	47.8	71.8





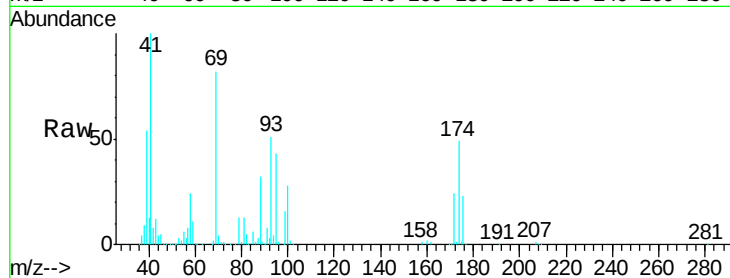
#49
1,4-Dioxane
Concen: 1119.855 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.6	29.1	43.7
58	76.3	59.4	89.0

Manual Integrations
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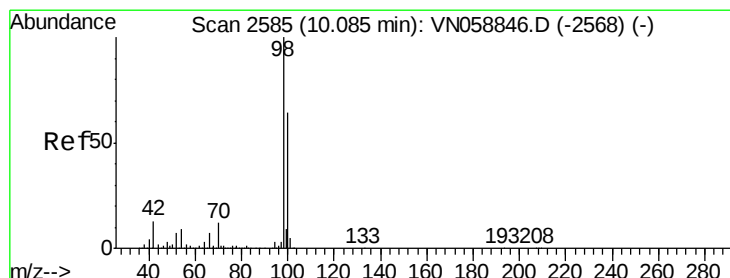
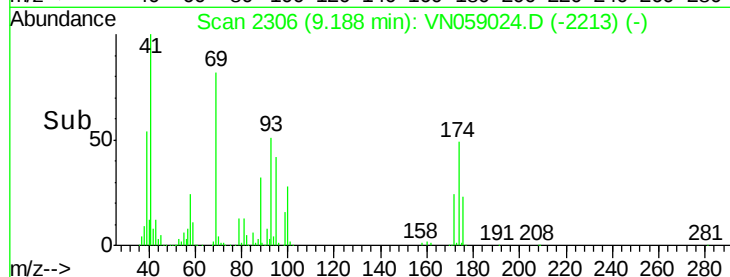
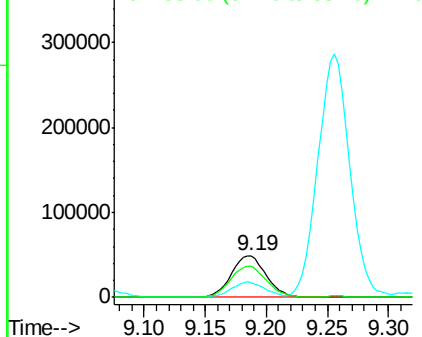


Abundance

Ion 88.00 (87.70 to 88.70): VN058846.D (-2290) (-)

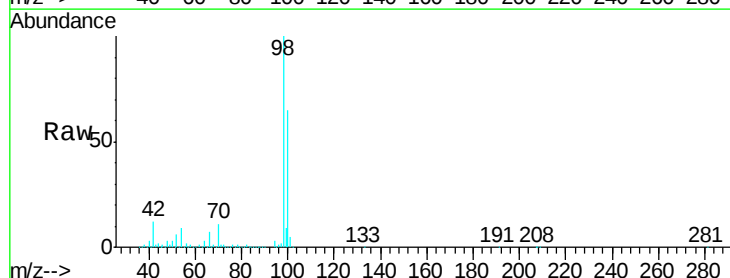
Ion 43.00 (42.70 to 43.70): VN058846.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2290) (-)



#50
Toluene-d8
Concen: 48.180 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

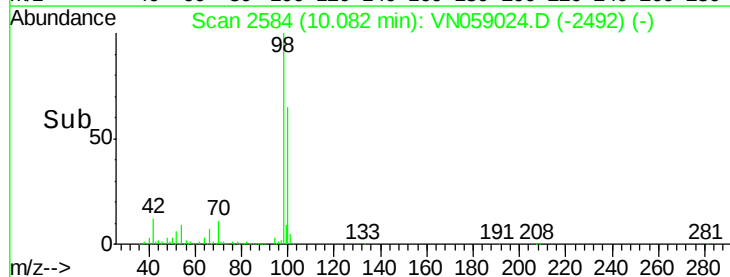
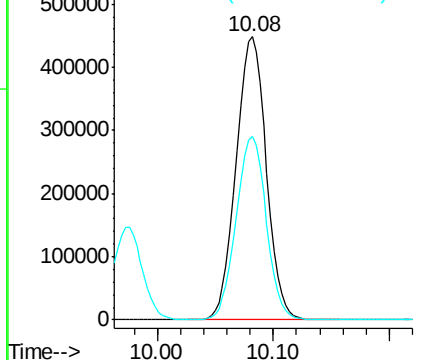
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.2



Abundance

Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058846.D (-2568) (-)





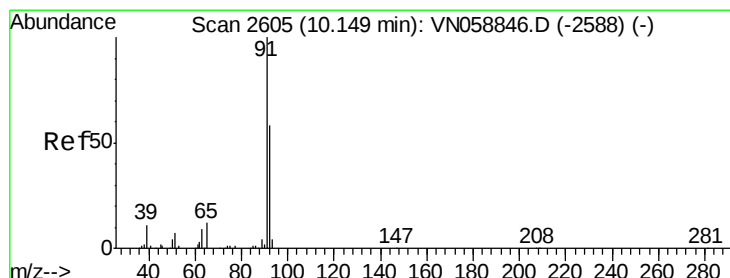
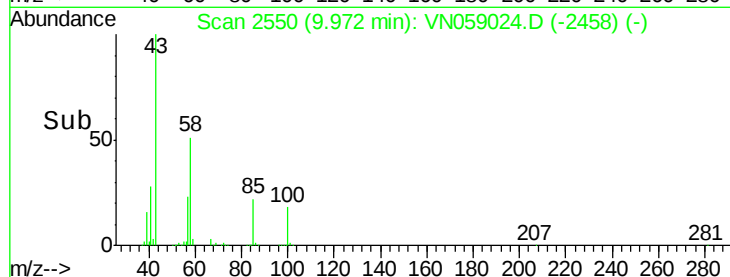
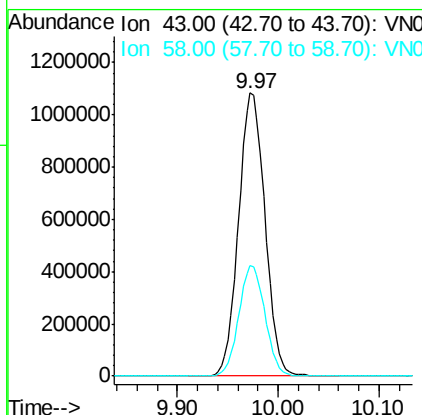
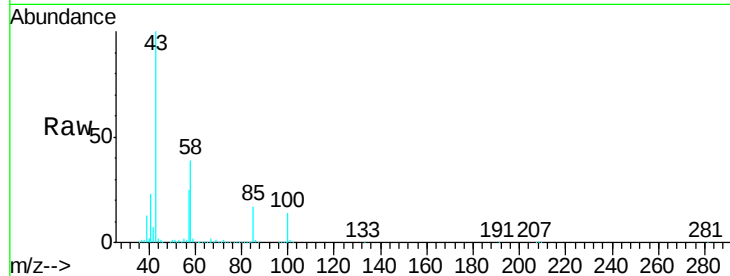
#51
 4-Methyl-2-Pentanone
 Concen: 286.271 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1968771
 Ion Ratio Lower Upper
 43 100
 58 38.5 29.9 44.9

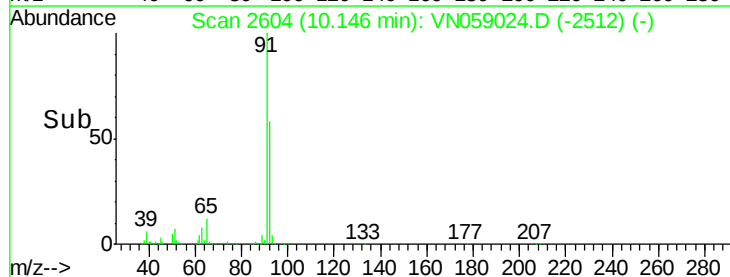
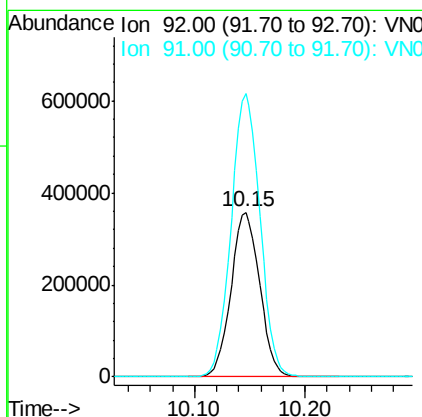
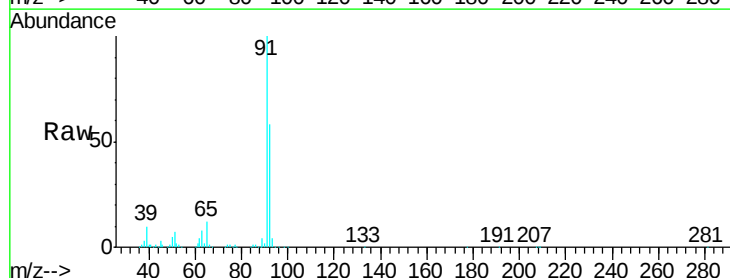
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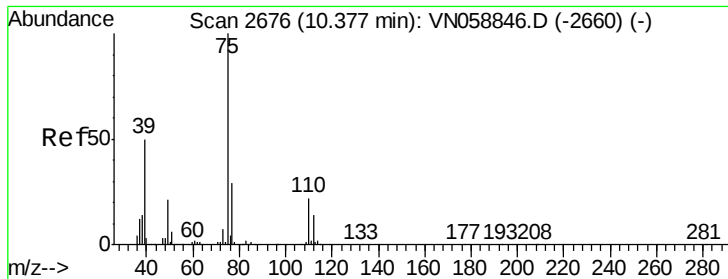
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#52
 Toluene
 Concen: 54.905 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion: 92 Resp: 644202
 Ion Ratio Lower Upper
 92 100
 91 173.1 138.9 208.3





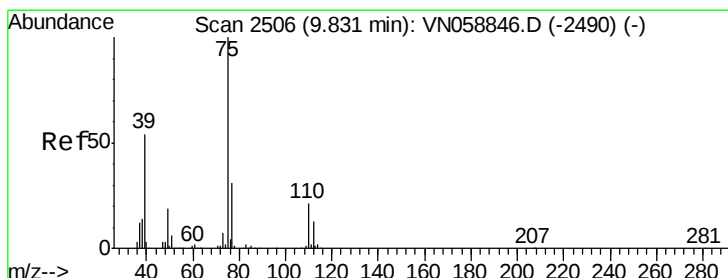
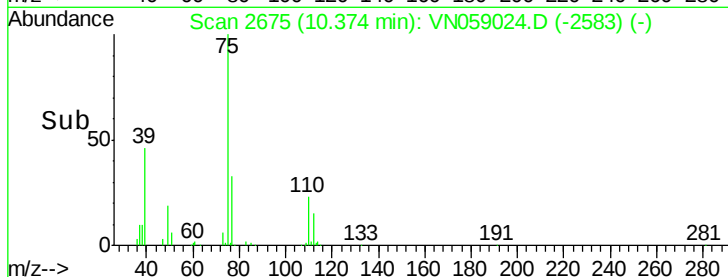
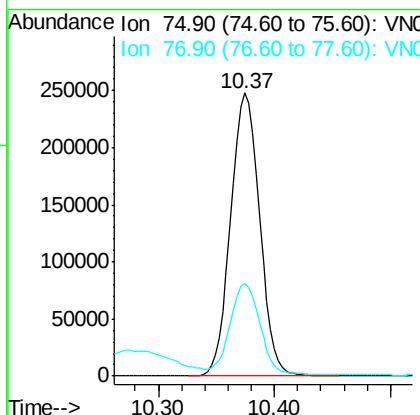
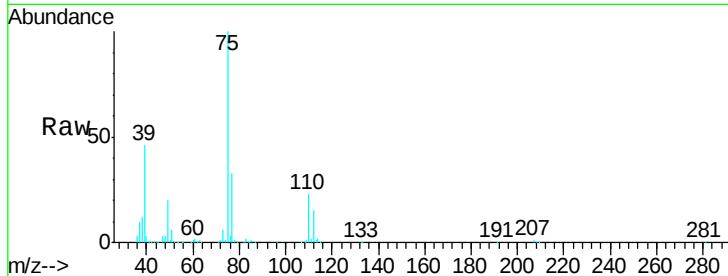
#53
 t-1,3-Dichloropropene
 Concen: 54.817 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. -0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 75 Resp: 428979
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5

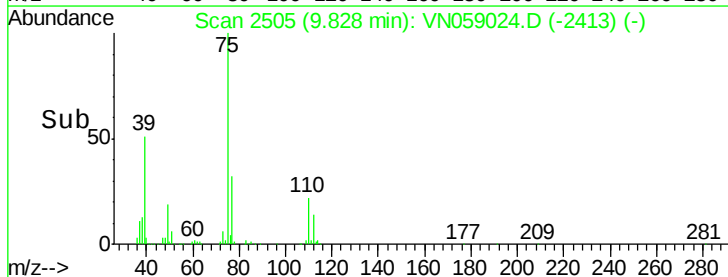
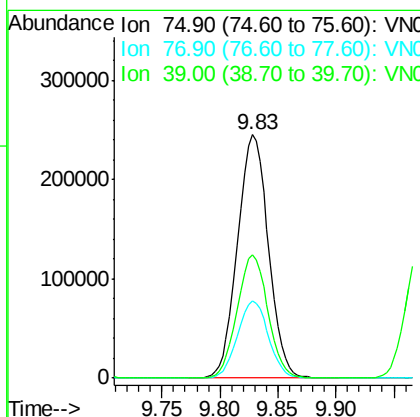
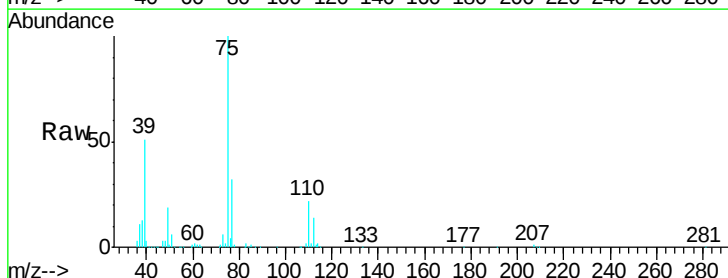
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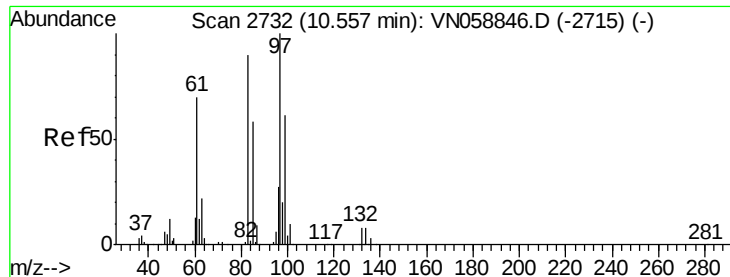
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#54
 cis-1,3-Dichloropropene
 Concen: 54.414 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion: 75 Resp: 454936
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.7 37.1
 39 50.5 43.5 65.3





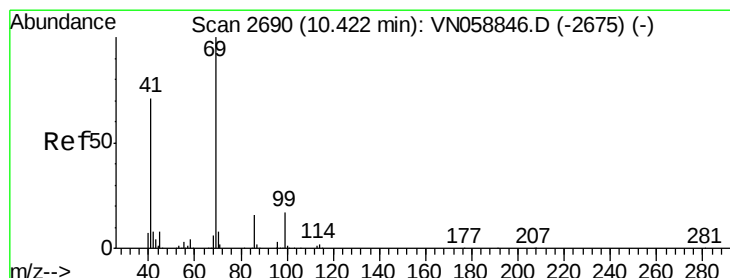
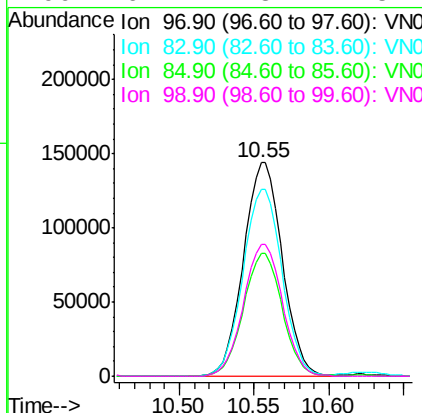
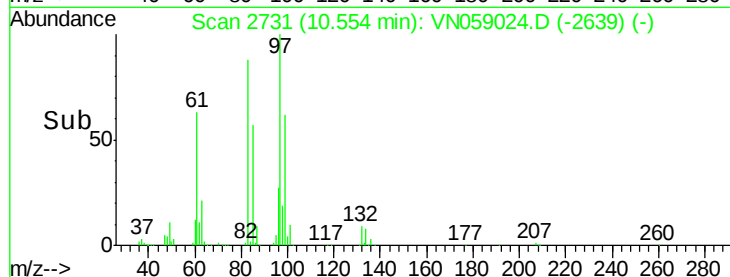
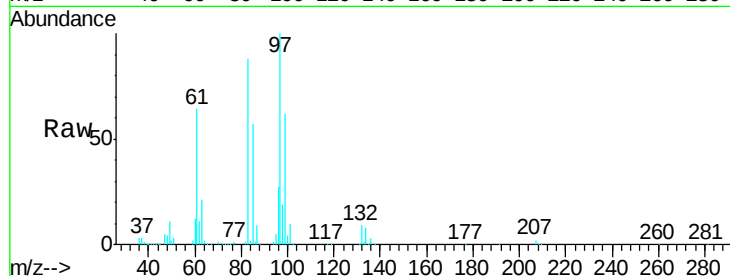
#55
 1,1,2-Trichloroethane
 Concen: 53.928 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	260657		
83	87.7	72.2	108.4	
85	57.4	46.2	69.2	
99	61.7	48.7	73.1	

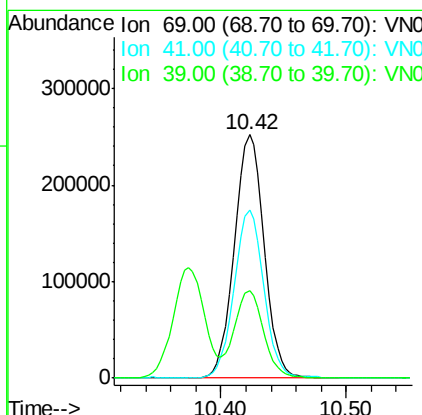
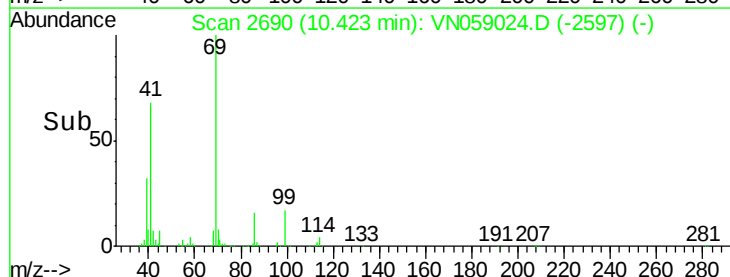
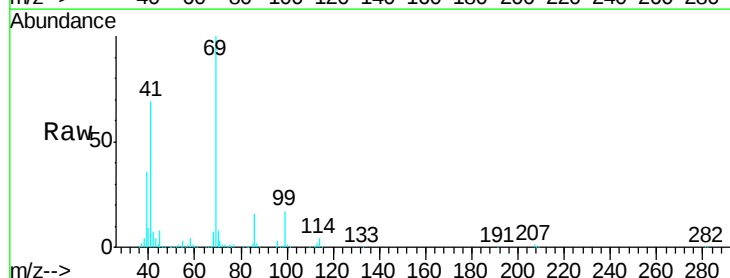
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#56
 Ethyl methacrylate
 Concen: 51.310 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	417062		
41	67.7	57.2	85.8	
39	35.1	31.0	46.4	





#57

1,3-Dichloropropane

Concen: 53.764 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 456092

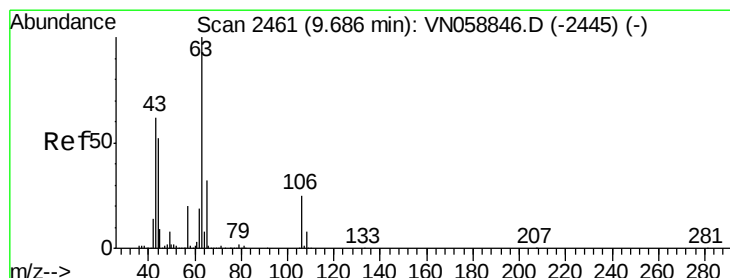
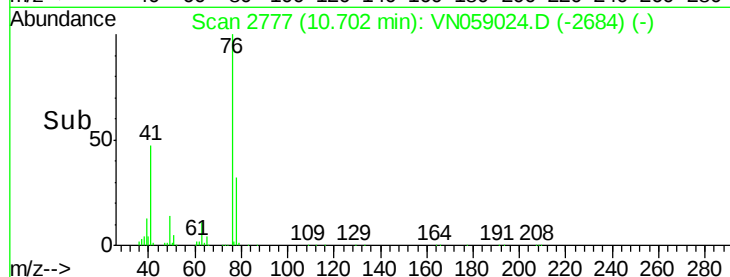
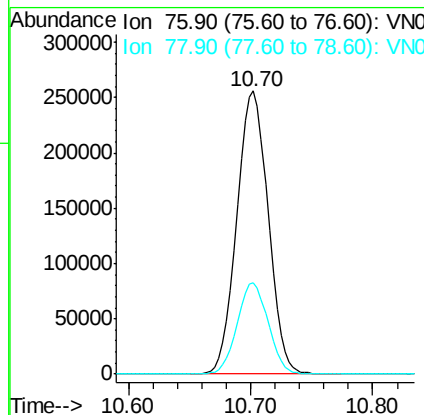
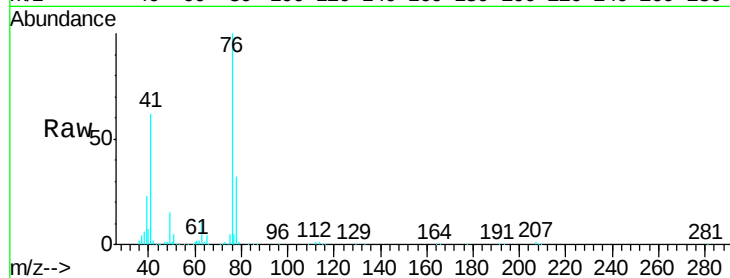
Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 240.982 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059024.D

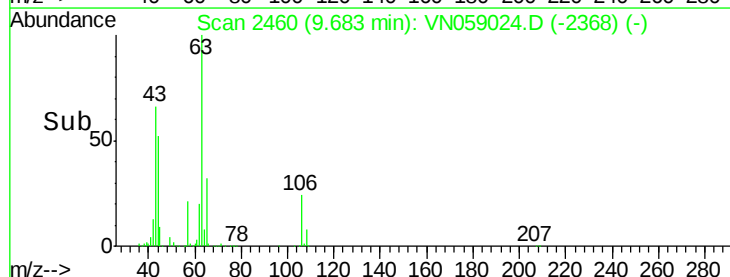
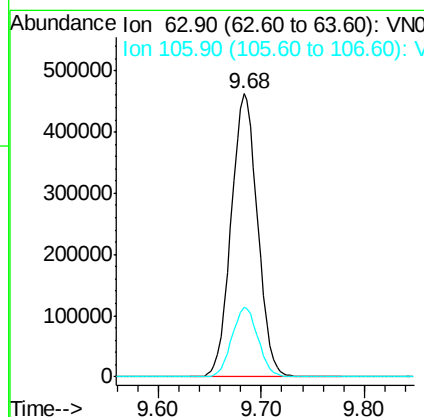
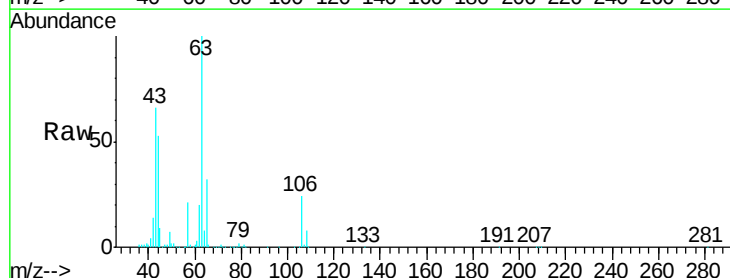
Acq: 31 Oct 2019 8:56

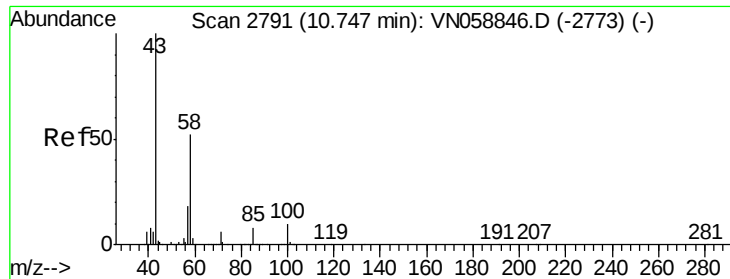
Tgt Ion: 63 Resp: 825488

Ion Ratio Lower Upper

63 100

106 24.5 19.8 29.8





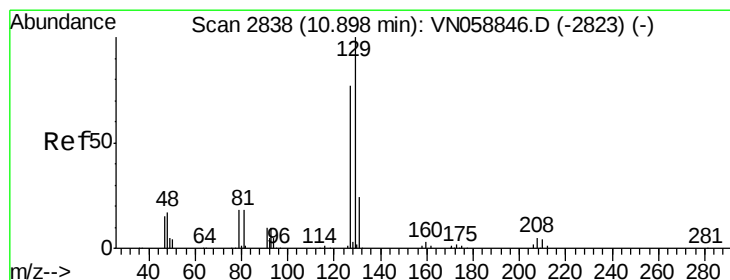
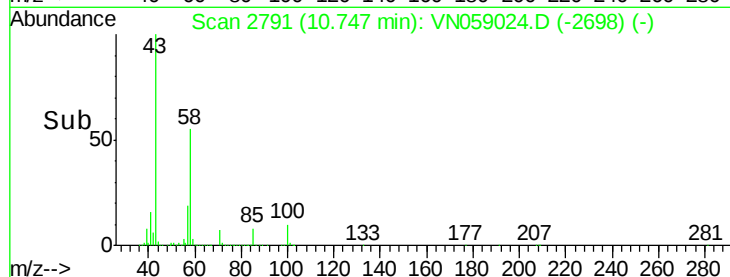
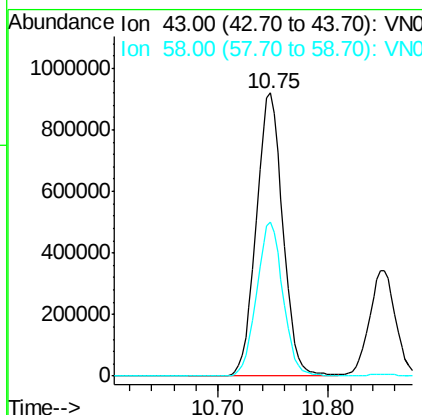
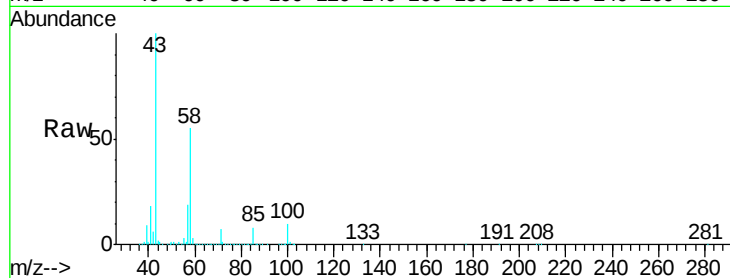
#59
2-Hexanone
Concen: 289.242 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1537123
Ion Ratio Lower Upper
43 100
58 54.1 25.9 77.7

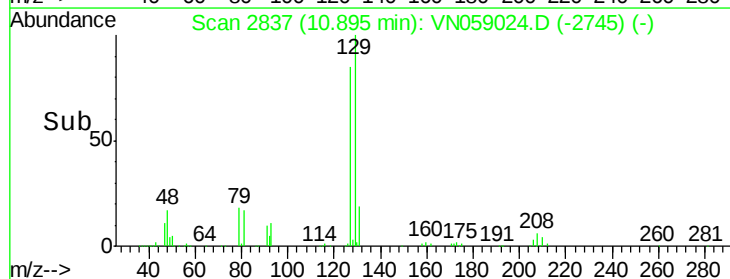
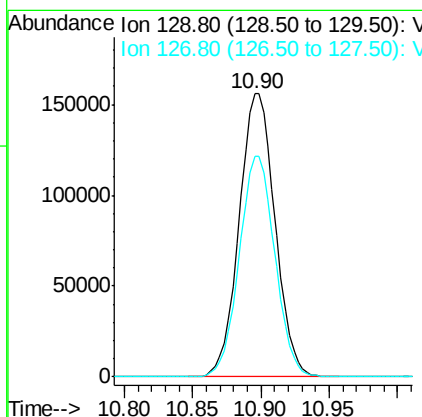
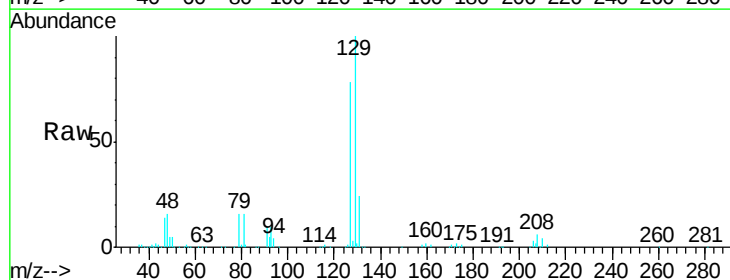
Manual Integrations
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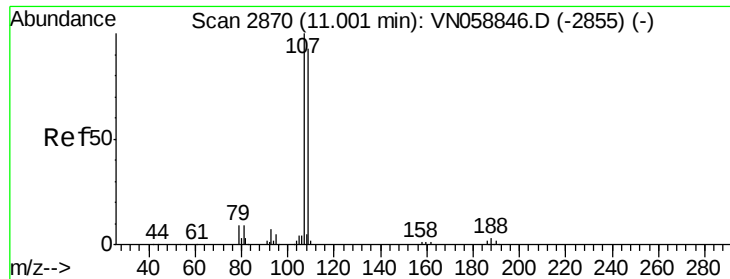
MMDadoda
11/4/2019 7:04:06 AM



#60
Dibromochloromethane
Concen: 54.738 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion: 129 Resp: 284777
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3





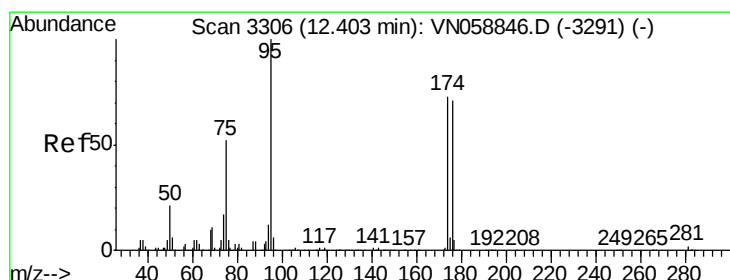
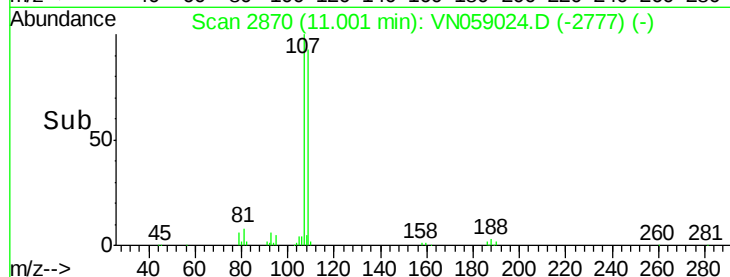
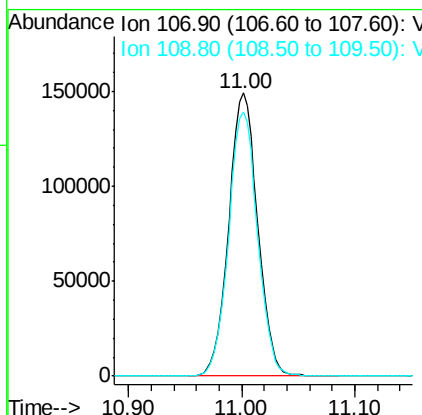
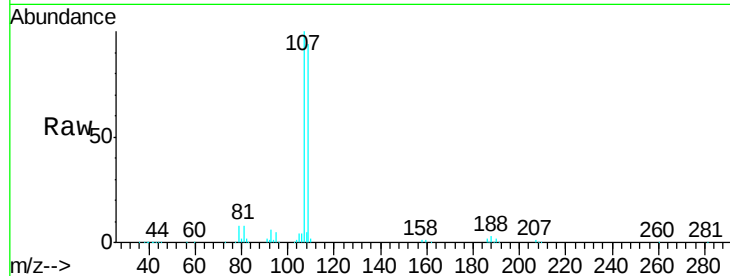
#61
1,2-Dibromoethane
Concen: 53.526 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.2	112.8

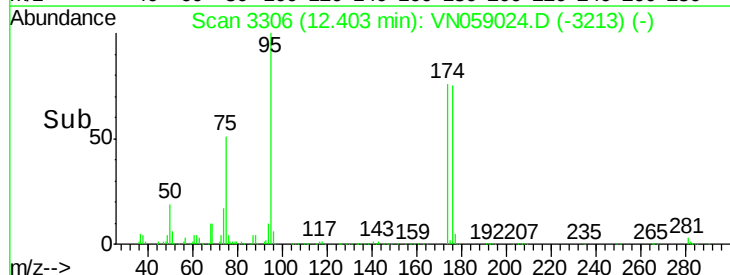
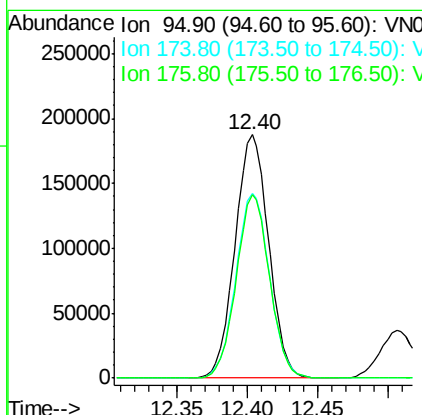
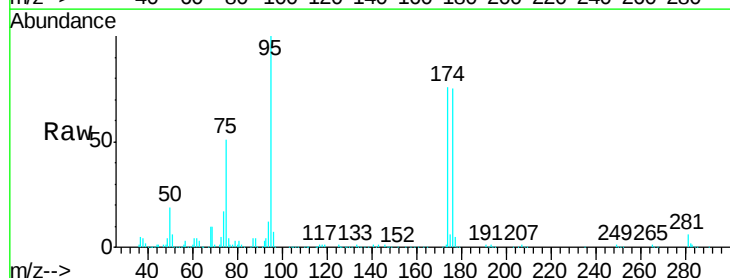
Manual Integrations
APPROVED

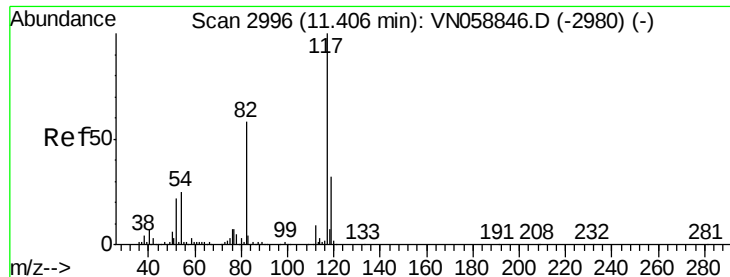
MMDadoda
11/4/2019 7:04:06 AM



#62
4-Bromofluorobenzene
Concen: 50.884 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	147.6
176	74.5	0.0	143.2





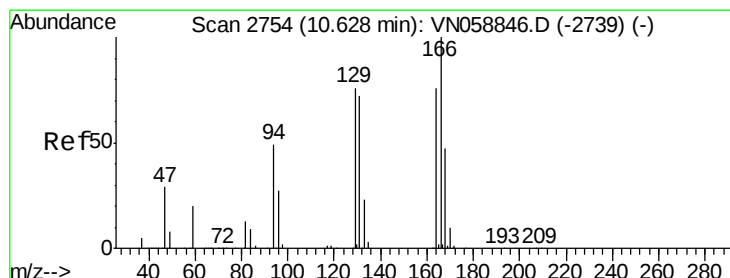
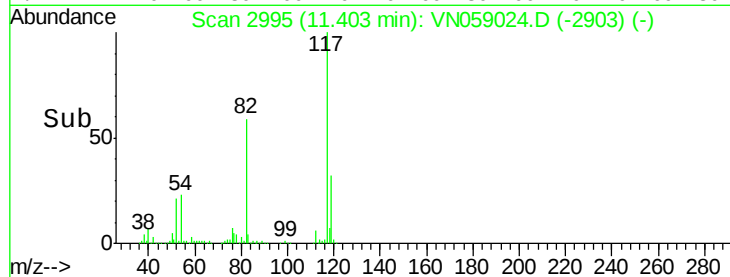
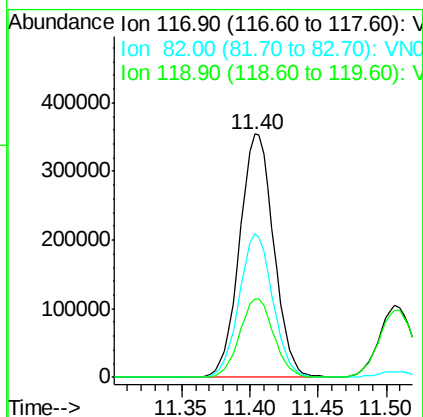
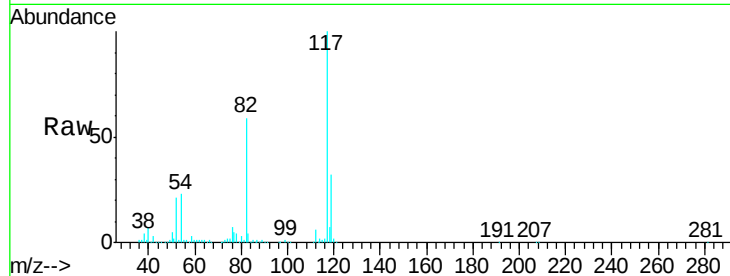
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	58.9	46.6	69.8
119	32.4	25.6	38.4

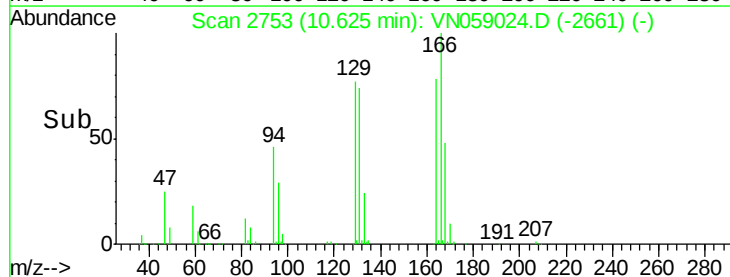
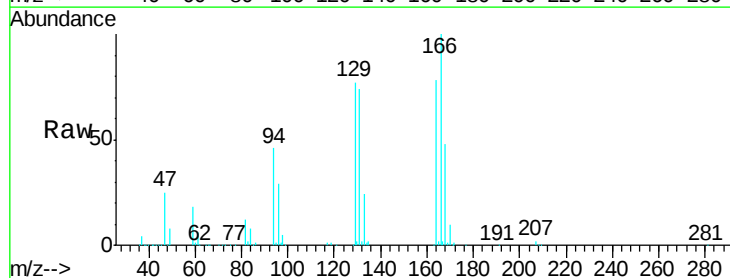
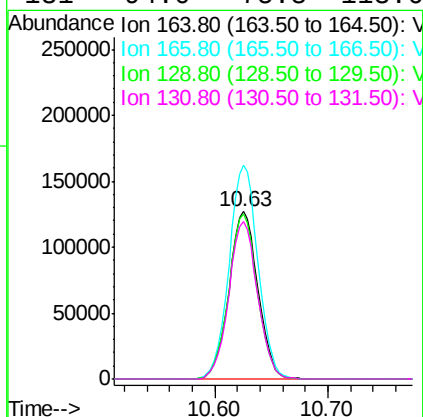
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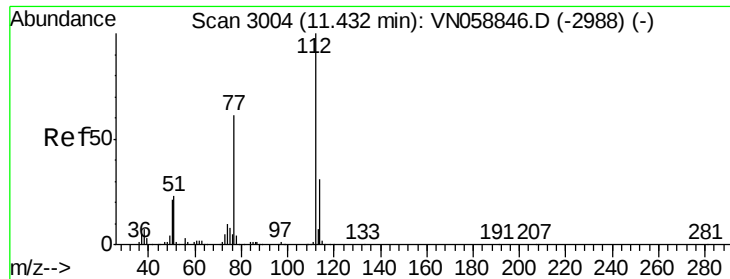
MMDadoda
11/4/2019 7:04:06 AM



#64
Tetrachloroethene
Concen: 52.193 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.6	104.8	157.2
129	98.8	79.3	118.9
131	94.0	75.8	113.6





#65

Chlorobenzene

Concen: 54.445 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 684584

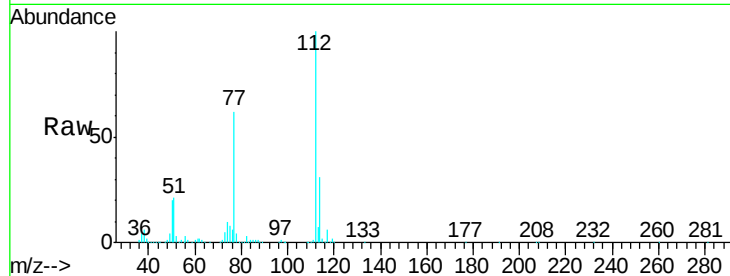
Ion Ratio Lower Upper

112 100

114 31.3 25.1 37.7

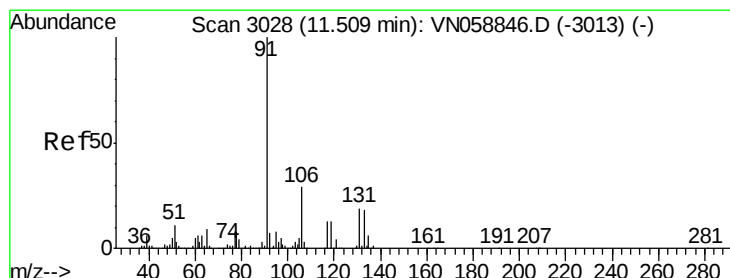
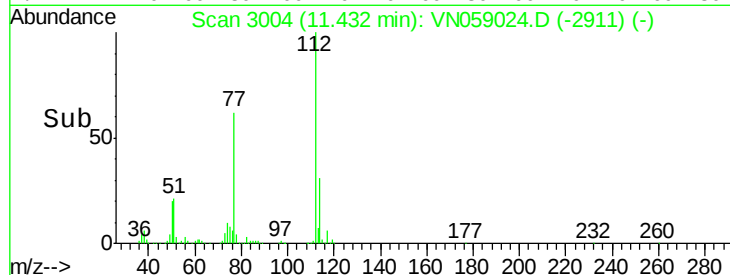
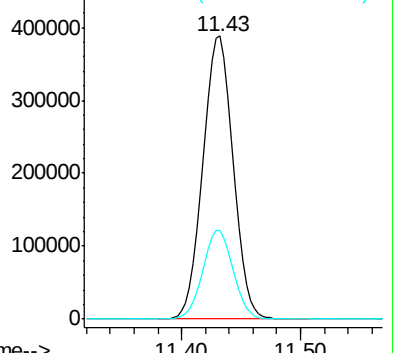
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.874 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

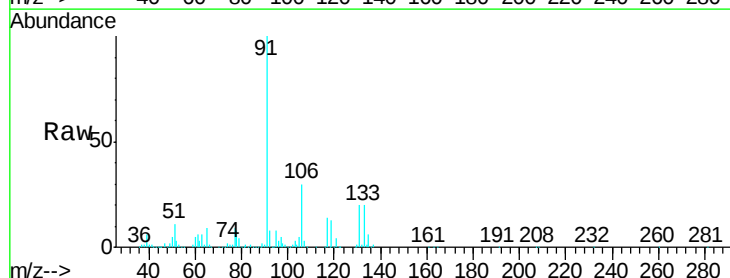
Tgt Ion:131 Resp: 255625

Ion Ratio Lower Upper

131 100

133 97.2 48.4 145.2

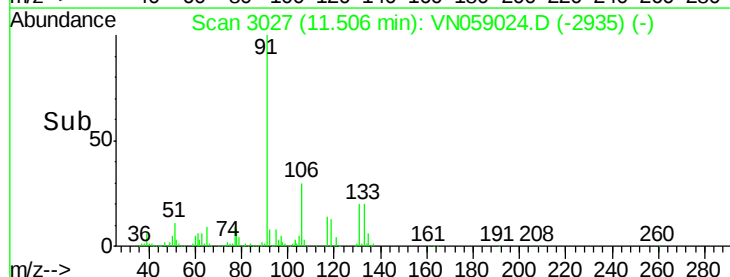
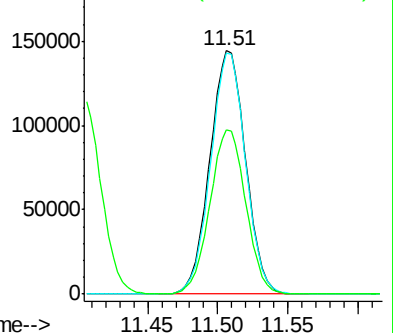
119 68.1 33.6 100.8

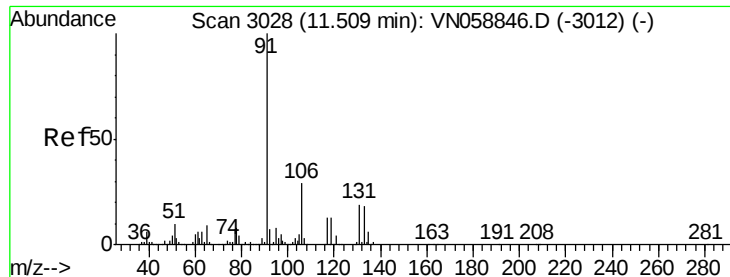


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





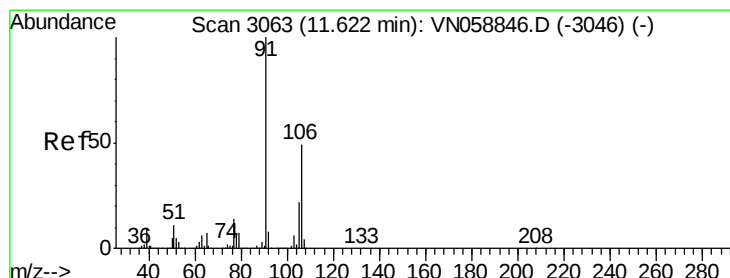
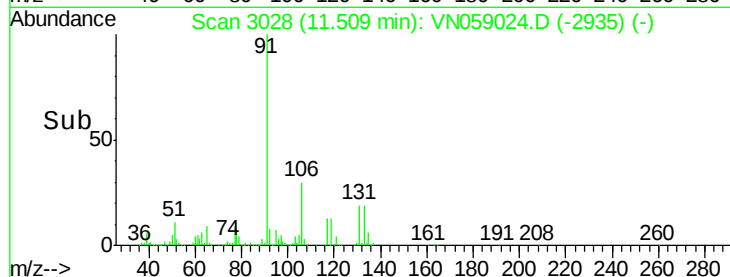
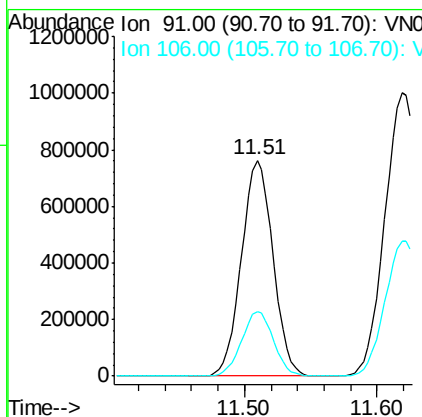
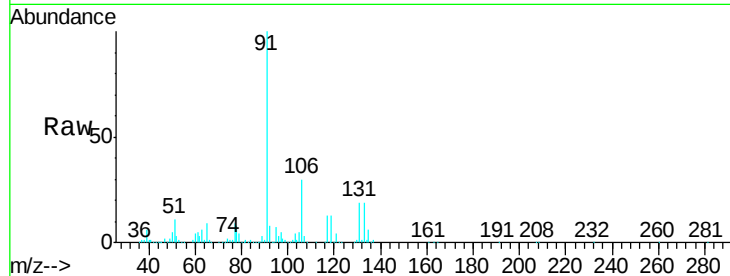
#67
Ethyl Benzene
Concen: 57.076 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1258937
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.0

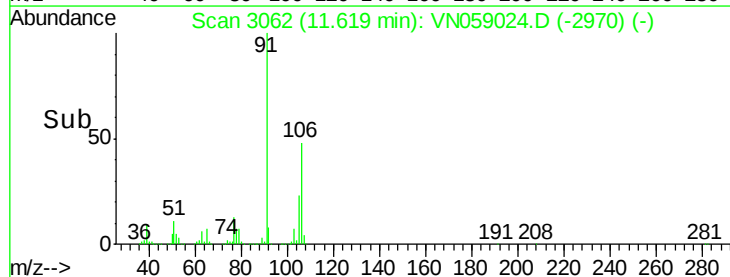
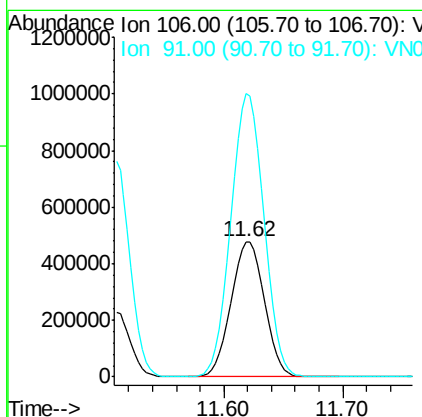
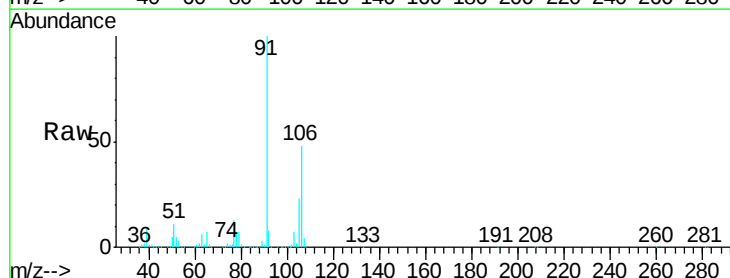
Manual Integrations
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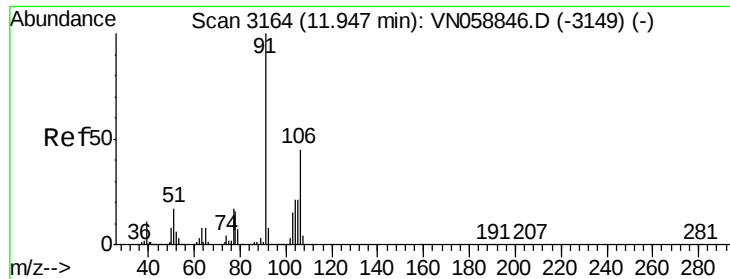
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11/4/2019 7:04:06 AM



#68
m/p-Xylenes
Concen: 113.342 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion: 106 Resp: 927131
Ion Ratio Lower Upper
106 100
91 207.8 166.6 249.8





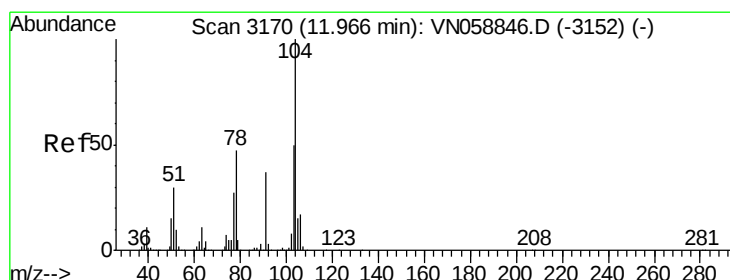
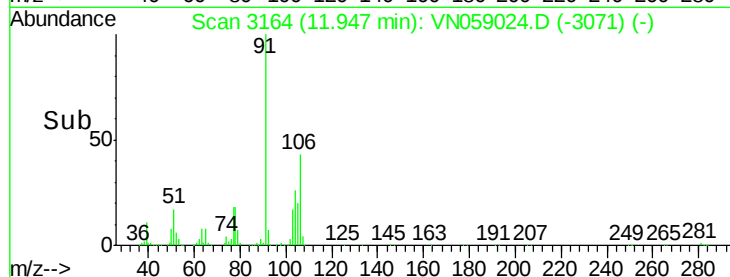
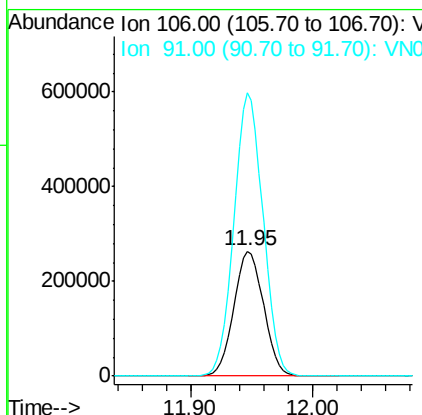
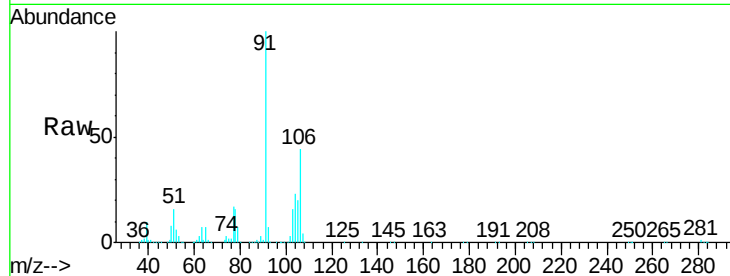
#69
o-Xylene
Concen: 56.988 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 444593
Ion Ratio Lower Upper
106 100
91 222.6 111.5 334.4

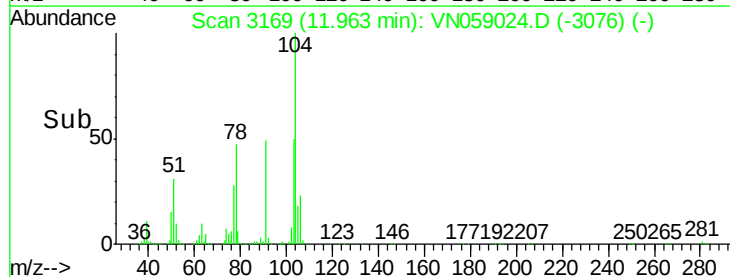
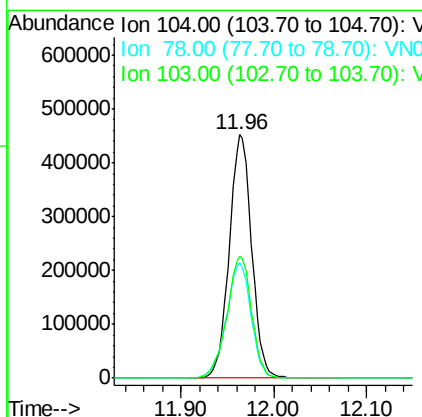
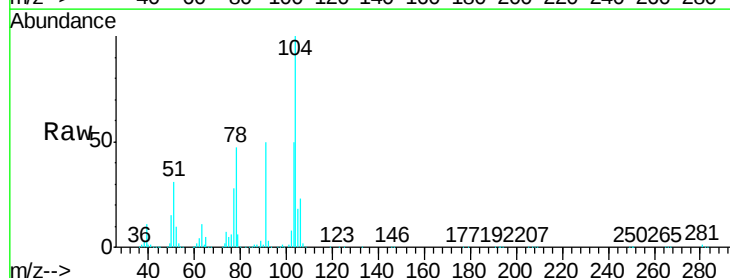
Manual Integrations
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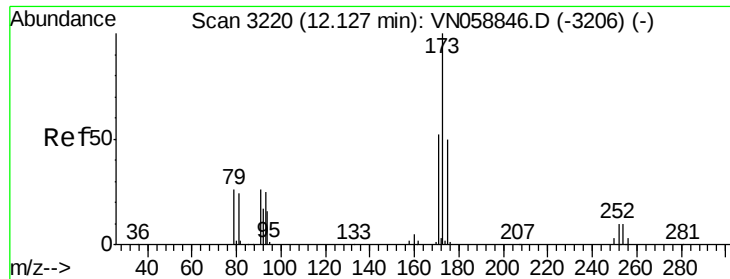
MMDadoda
11/4/2019 7:04:06 AM



#70
Styrene
Concen: 52.412 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion:104 Resp: 755980
Ion Ratio Lower Upper
104 100
78 52.4 42.8 64.2
103 54.9 44.3 66.5





#71

Bromoform

Concen: 56.686 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 208566

Ion Ratio Lower Upper

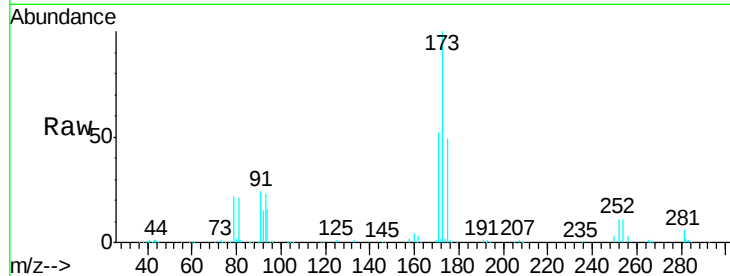
173 100

175 47.9 24.7 74.1

254 0.0 0.0 0.0#

Manual Integrations
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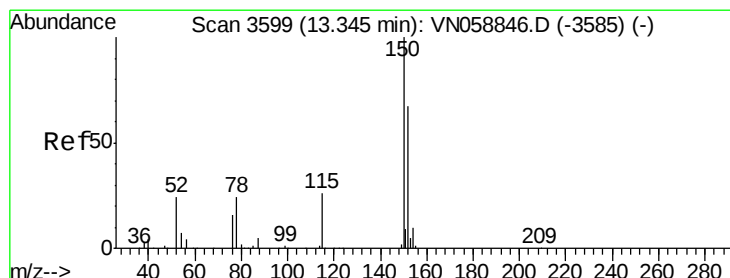
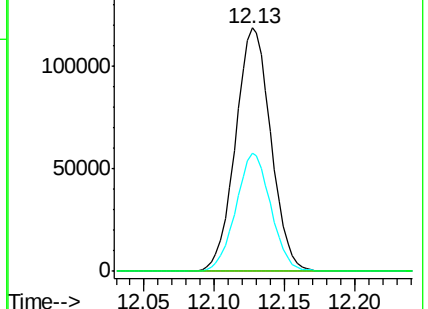
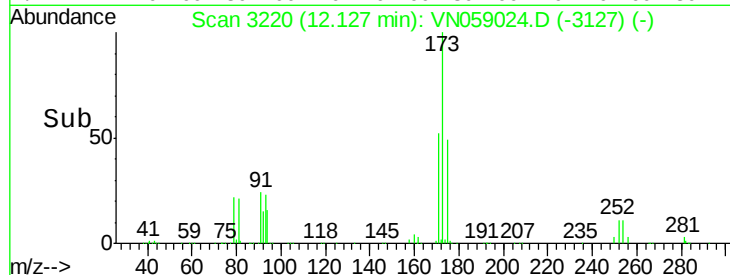
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN059024.D

Acq: 31 Oct 2019 8:56

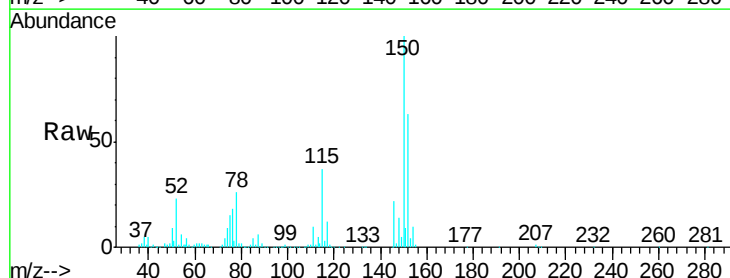
Tgt Ion:152 Resp: 309905

Ion Ratio Lower Upper

152 100

115 58.1 30.5 91.5

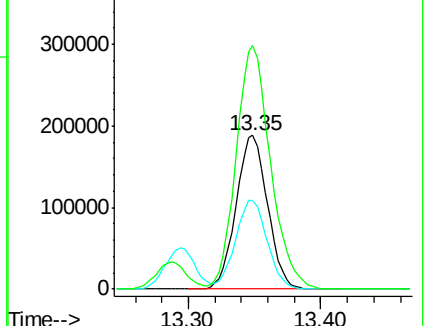
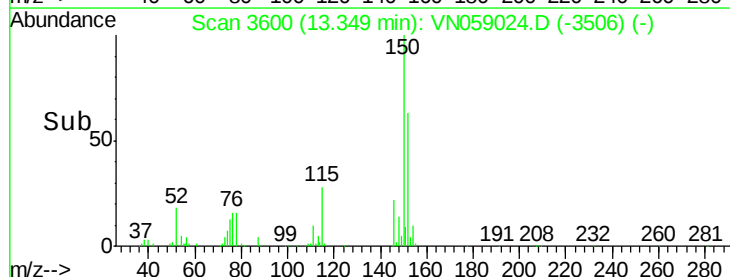
150 173.3 0.0 344.4

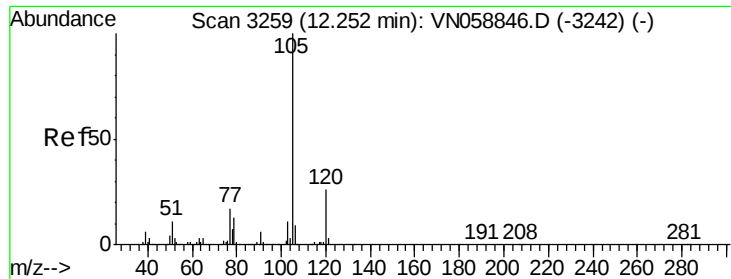


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.185 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1227187

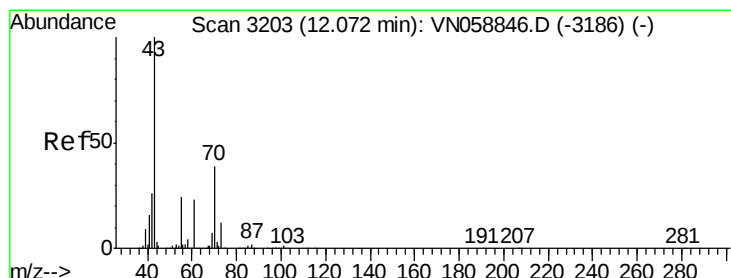
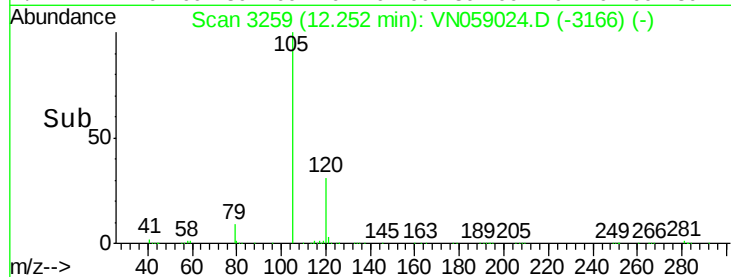
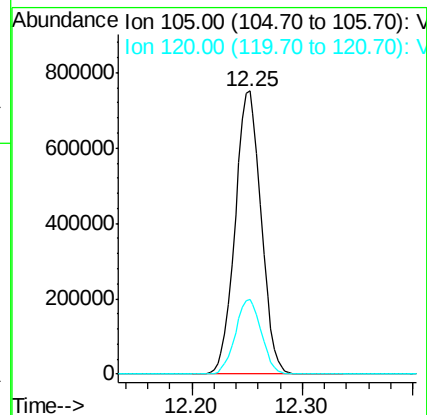
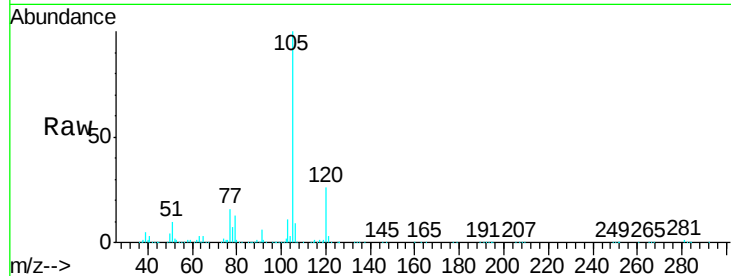
Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.520 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion: 43 Resp: 559799

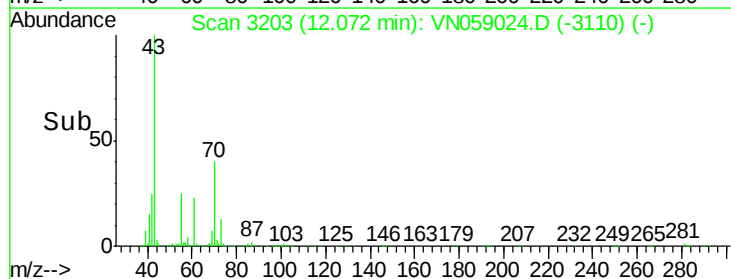
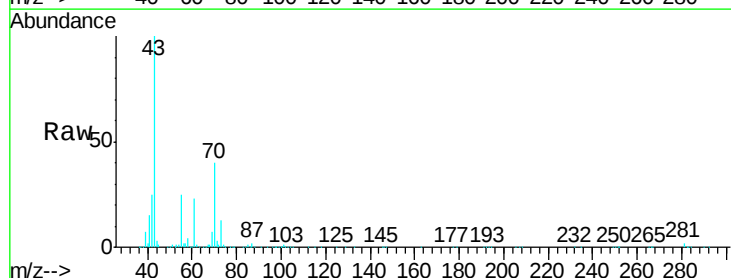
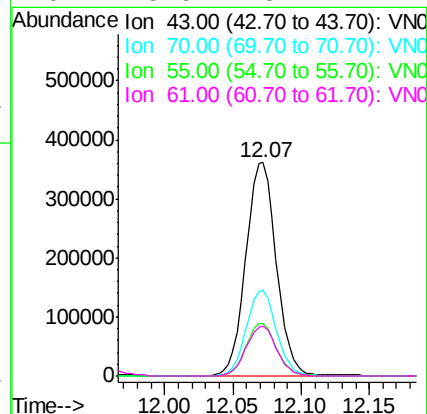
Ion Ratio Lower Upper

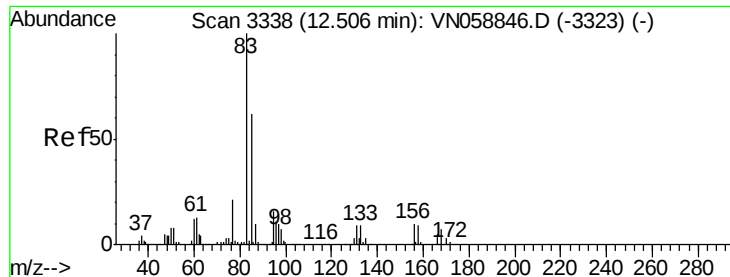
43 100

70 39.9 30.9 46.3

55 24.9 19.7 29.5

61 23.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.735 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 404033
Ion Ratio Lower Upper

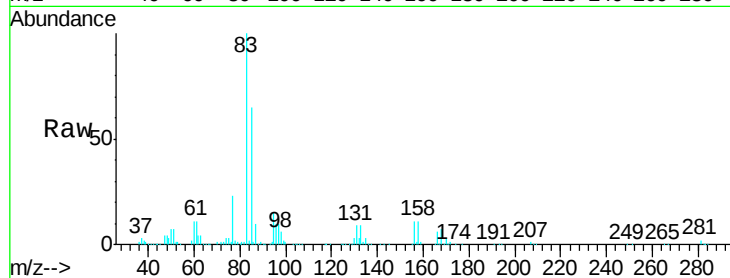
83 100

131 9.6 4.7 14.1

85 64.2 31.7 95.1

Manual Integrations
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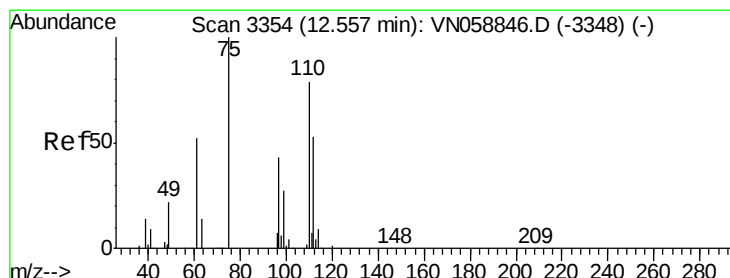
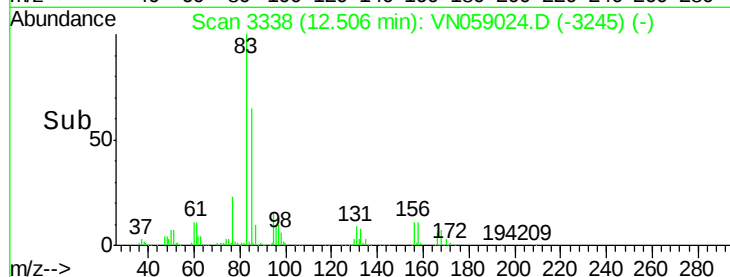
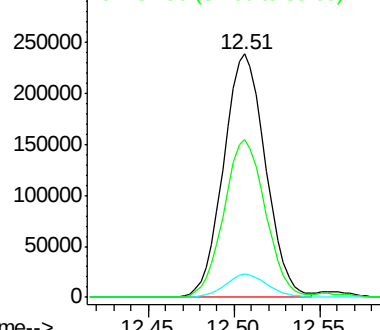
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 52.444 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

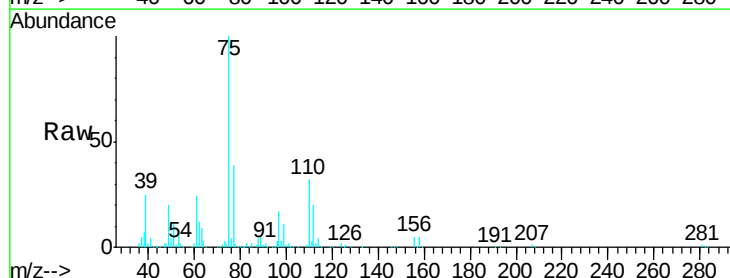
Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion: 75 Resp: 376670
Ion Ratio Lower Upper

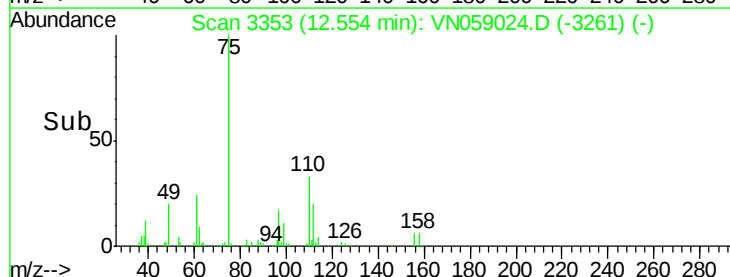
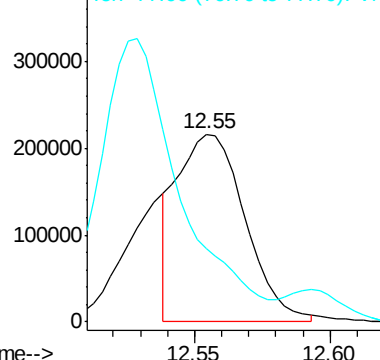
75 100

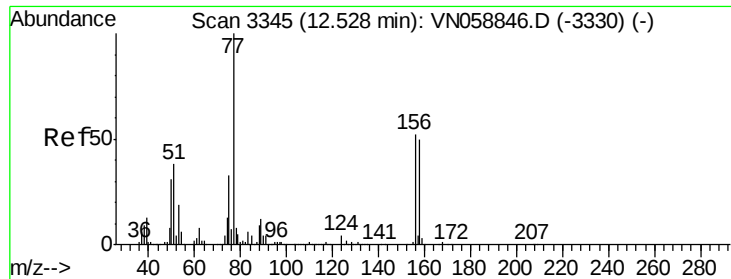
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.594 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

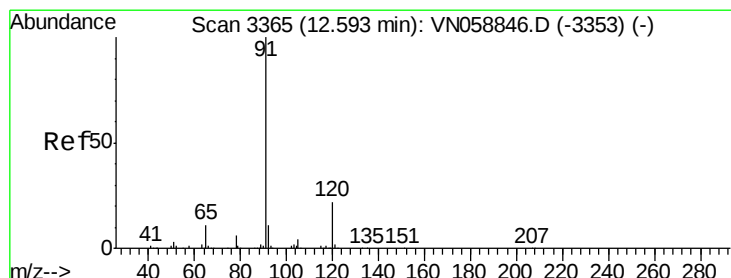
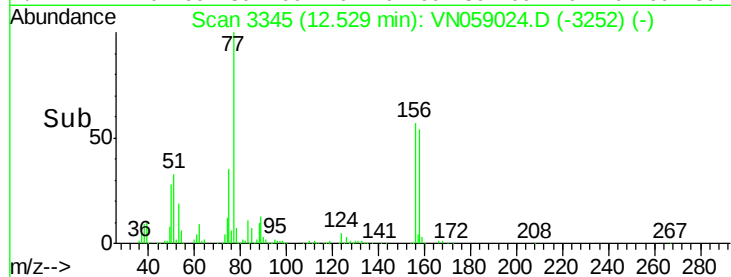
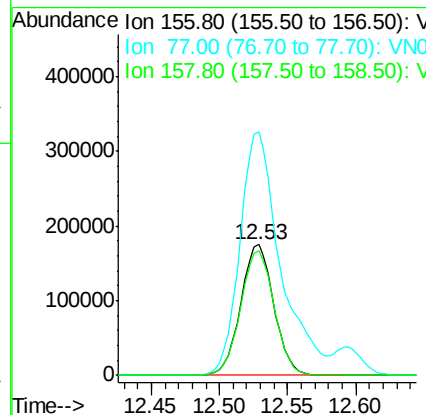
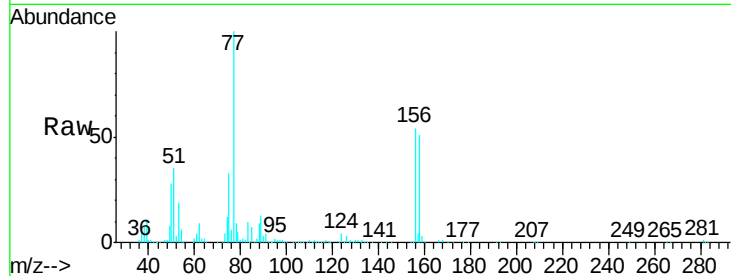
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	230.4	118.0	354.0
158	97.1	48.3	144.8

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#78

n-propylbenzene

Concen: 54.585 ug/l

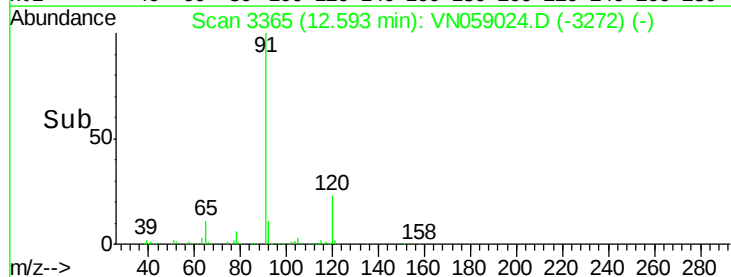
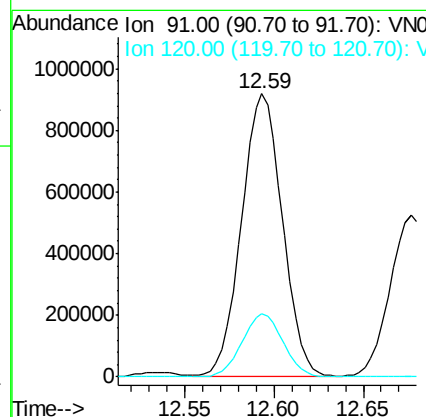
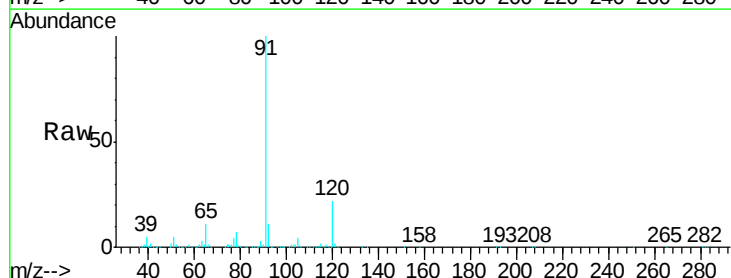
RT: 12.59 min Scan# 3365

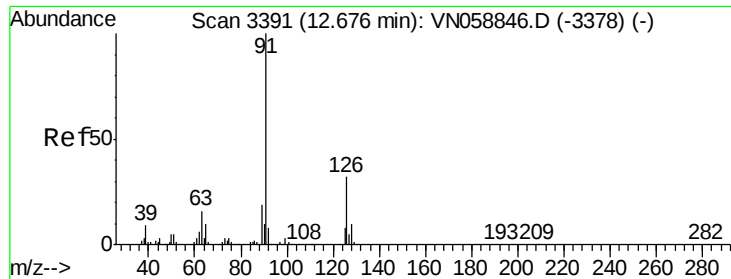
Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79

2-Chlorotoluene

Concen: 52.290 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 856771

Ion Ratio Lower Upper

91 100

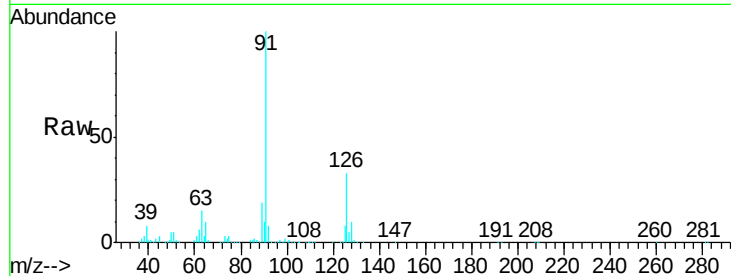
126 33.1 16.2 48.6

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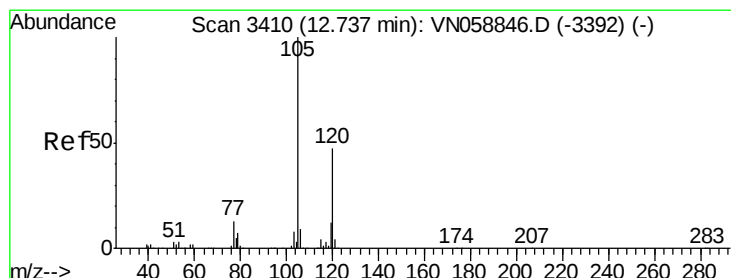
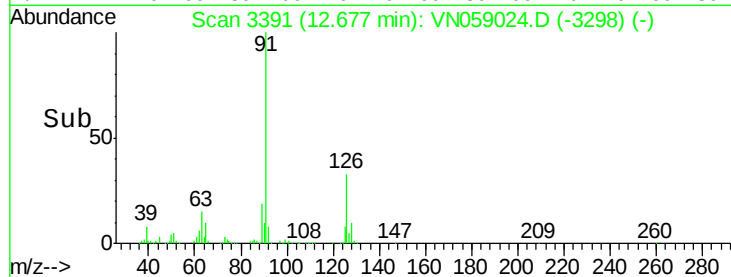
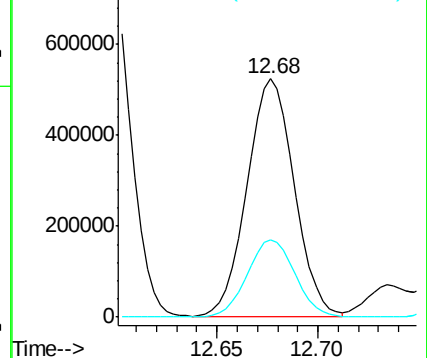
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Abundance Ion 91.00 (90.70 to 91.70): VN059024.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN059024.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.281 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059024.D

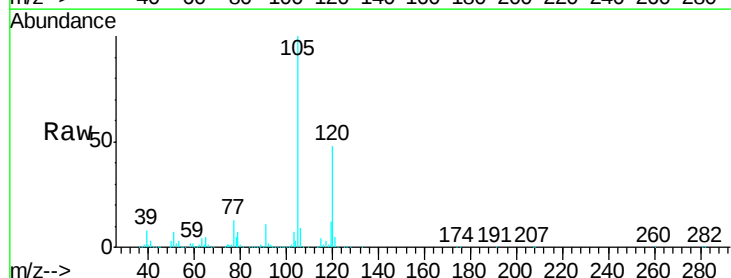
Acq: 31 Oct 2019 8:56

Tgt Ion: 105 Resp: 1051923

Ion Ratio Lower Upper

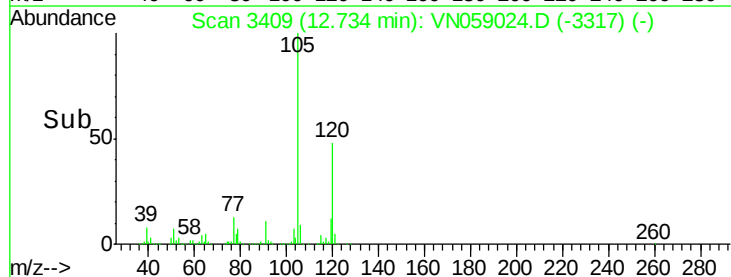
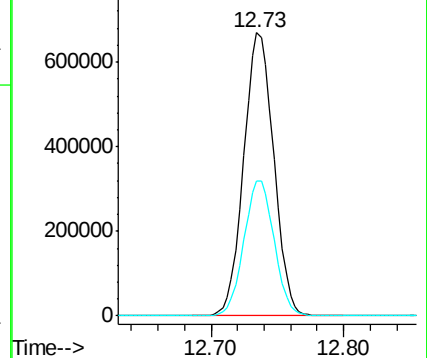
105 100

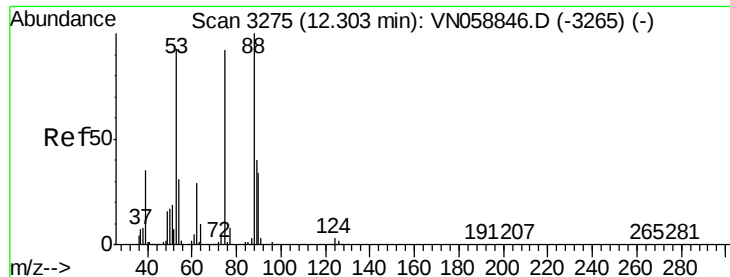
120 48.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN059024.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN059024.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.689 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 148025

Ion Ratio Lower Upper

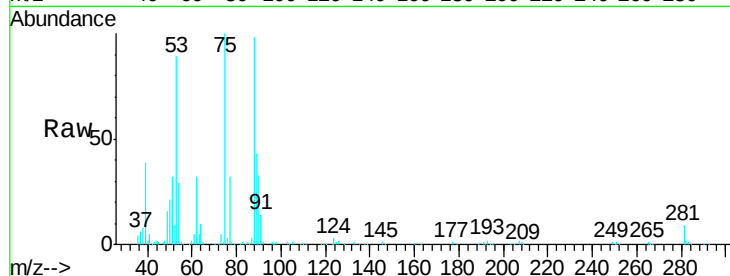
75 100

53 90.8 78.6 118.0

89 43.2 35.4 53.0

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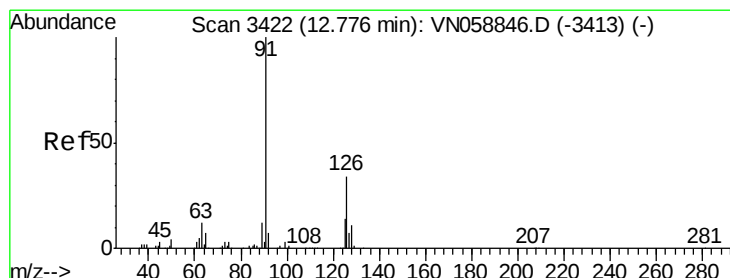
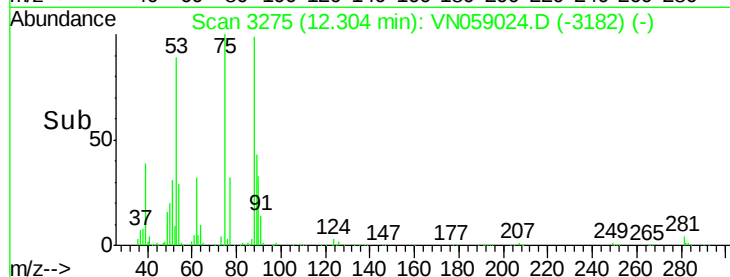
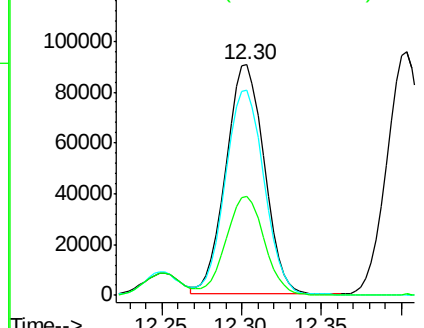
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.504 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059024.D

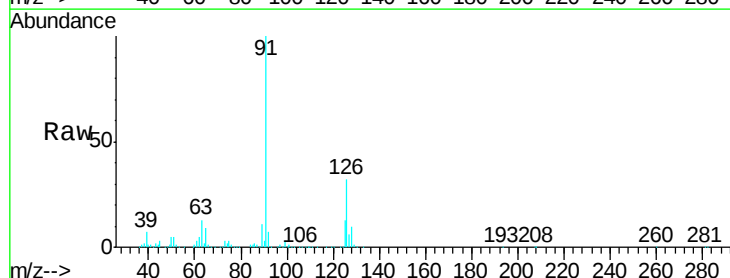
Acq: 31 Oct 2019 8:56

Tgt Ion: 91 Resp: 895888

Ion Ratio Lower Upper

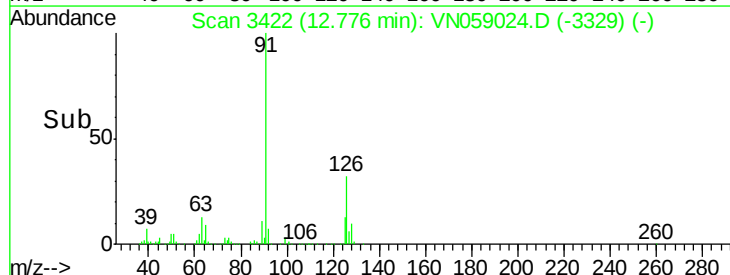
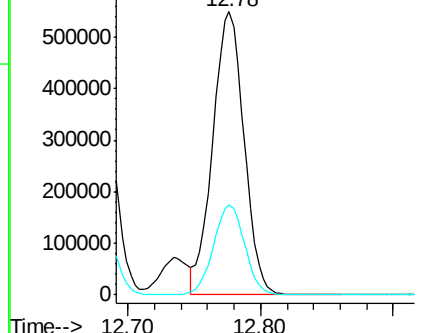
91 100

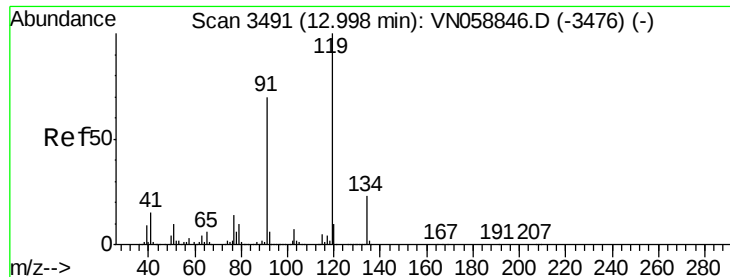
126 31.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





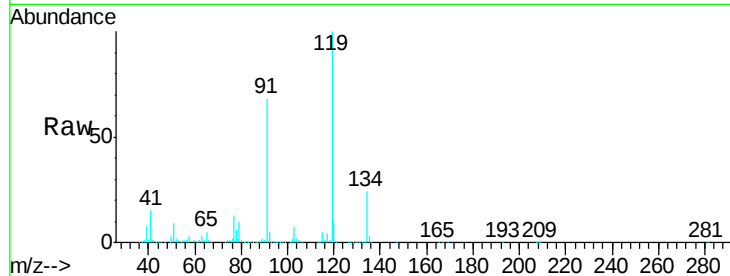
#83
 tert-Butylbenzene
 Concen: 55.195 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

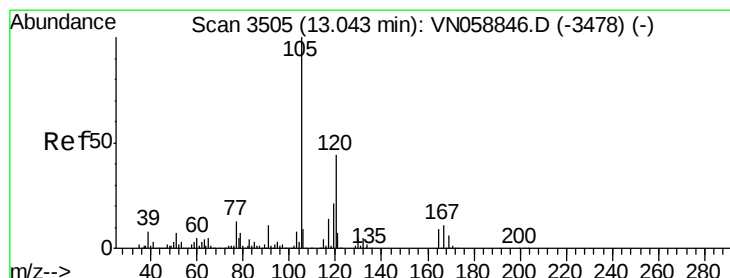
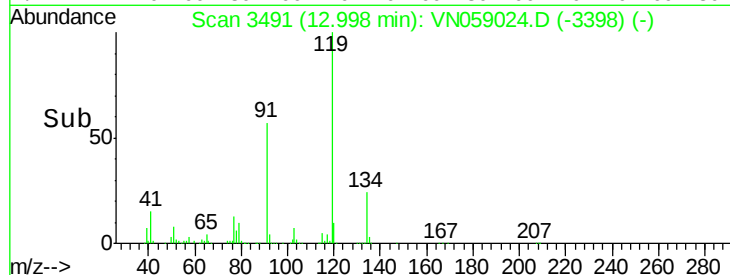
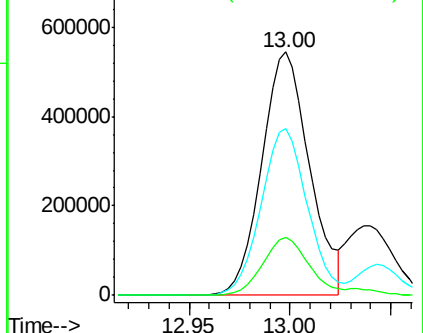
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	898134		
91	66.4	34.1	102.3	
134	22.9	11.6	34.8	

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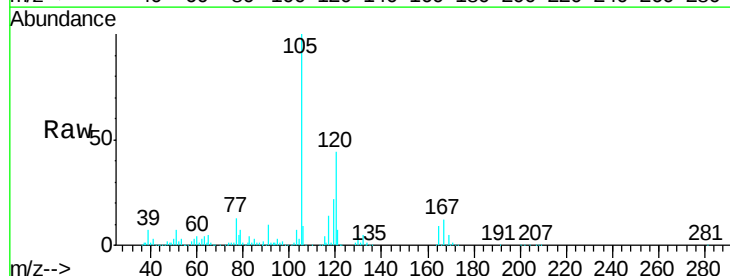


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

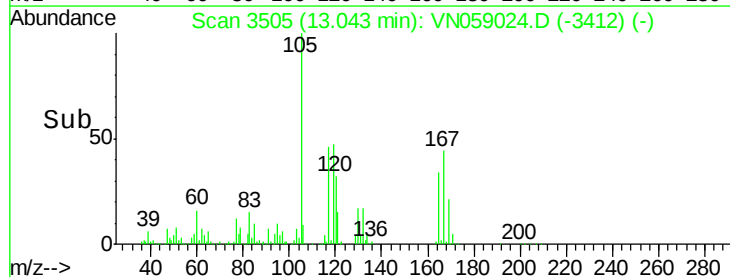
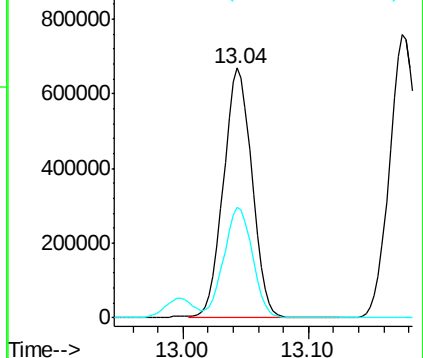


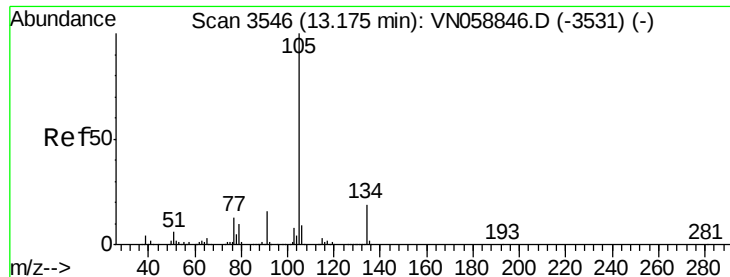
#84
 1,2,4-Trimethylbenzene
 Concen: 55.950 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1050123		
120	44.8	21.9	65.8	



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





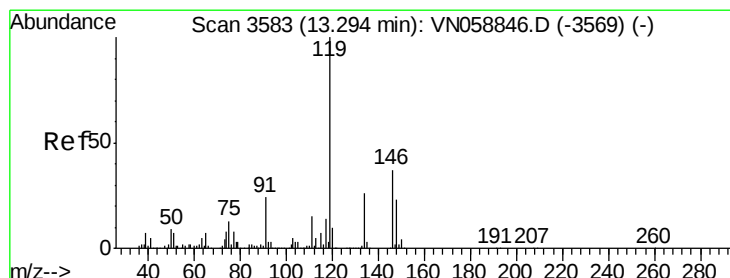
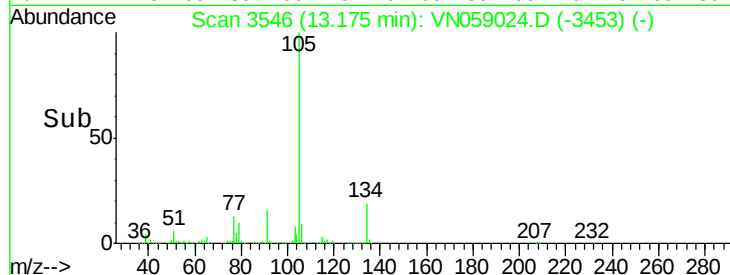
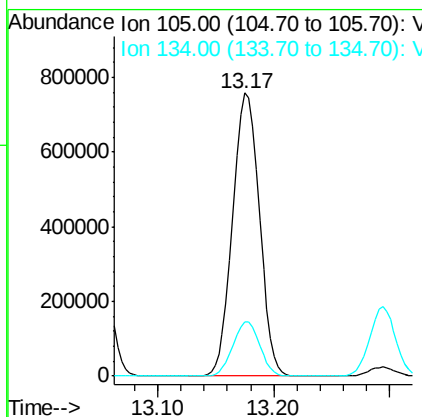
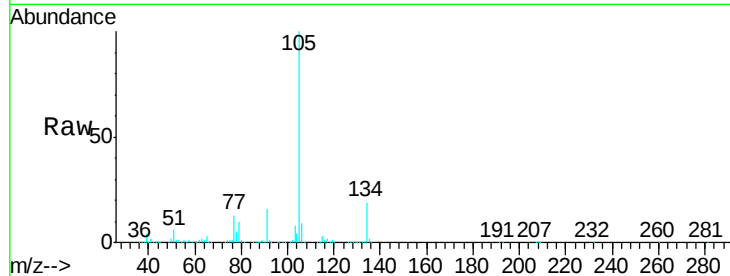
#85
 sec-Butylbenzene
 Concen: 55.766 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1209836
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2

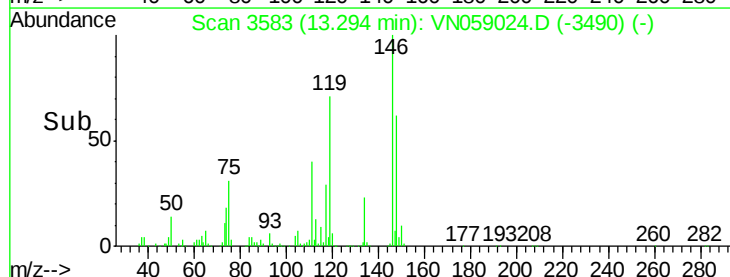
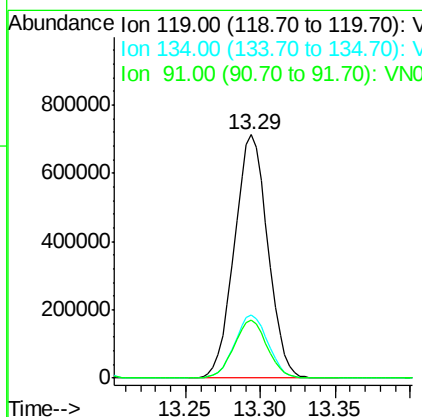
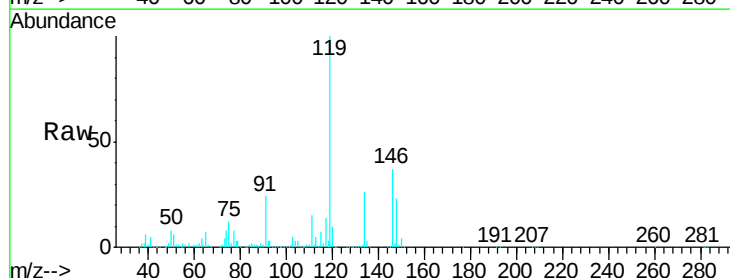
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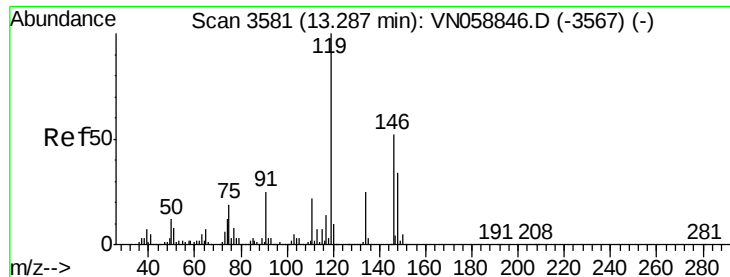
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#86
 p-Isopropyltoluene
 Concen: 57.716 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion:119 Resp: 1104825
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 23.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 53.722 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

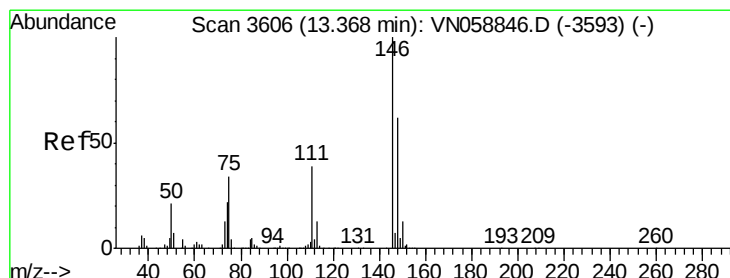
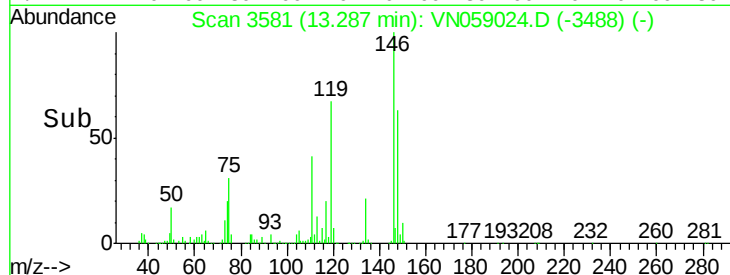
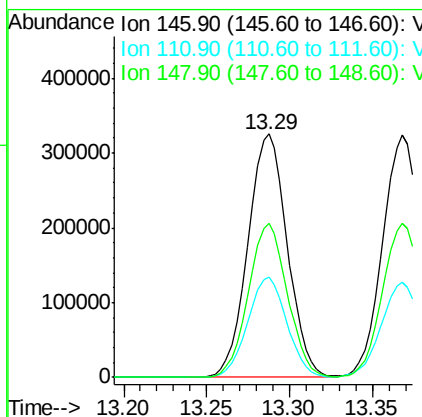
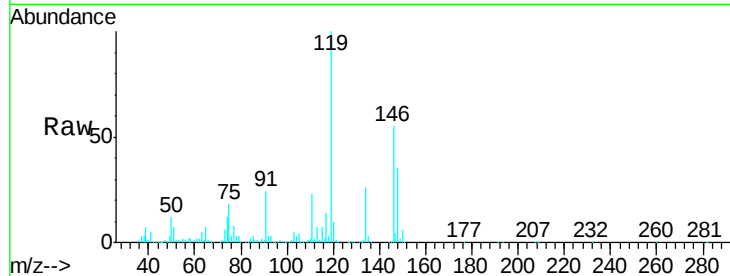
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	536243
Ion Ratio	Lower	Upper	
146	100		
111	41.0	21.0	63.0
148	62.8	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 52.969 ug/l

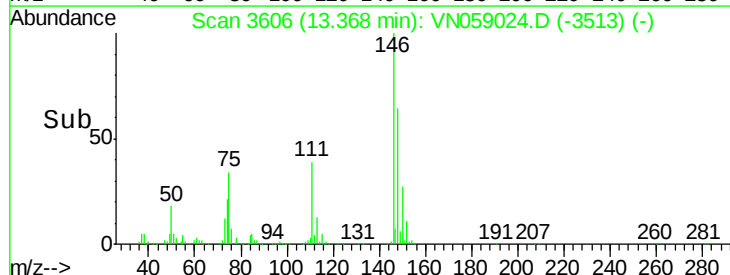
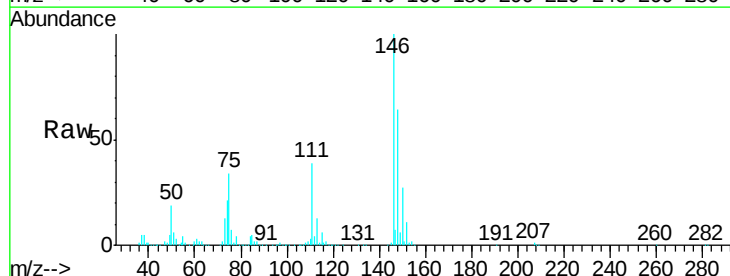
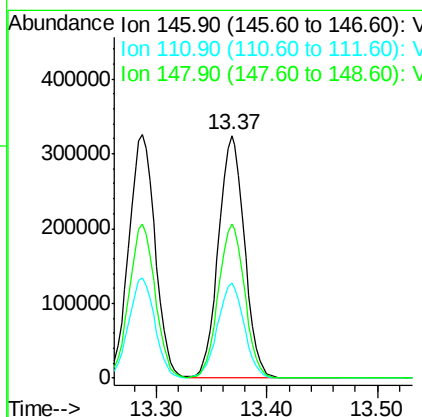
RT: 13.37 min Scan# 3606

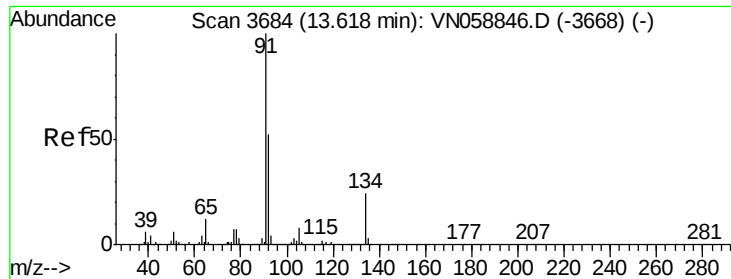
Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Tgt Ion:	146	Resp:	529358
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.2	60.6
148	64.0	31.6	94.7





#89

n-Butylbenzene

Concen: 56.658 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059024.D

Acq: 31 Oct 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 996298
Ion Ratio Lower Upper

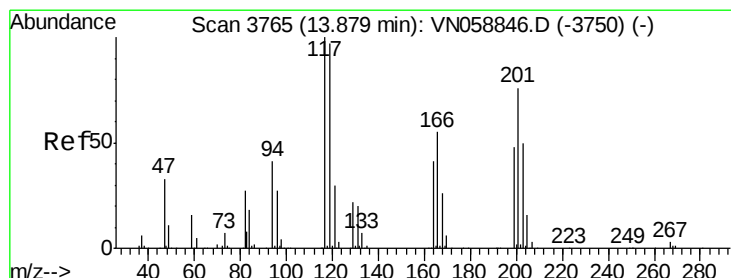
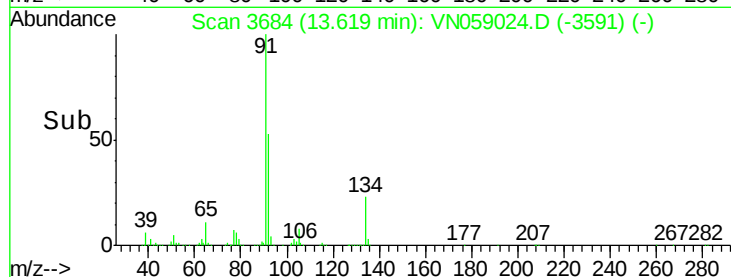
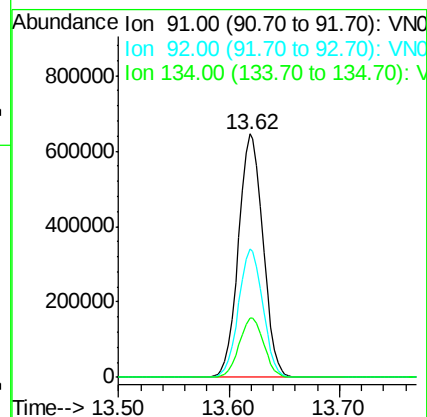
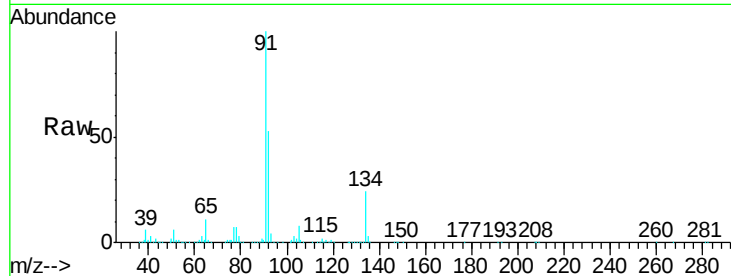
91 100

92 52.4 25.7 77.1

134 24.4 11.9 35.5

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#90

Hexachloroethane

Concen: 51.599 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

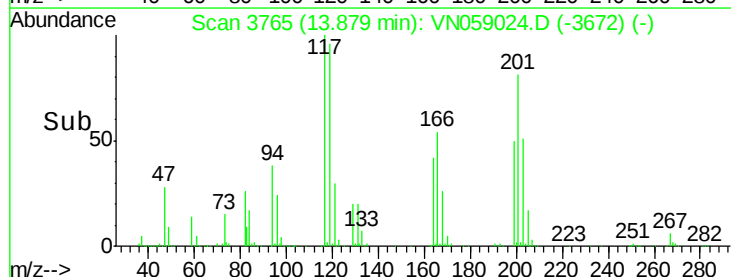
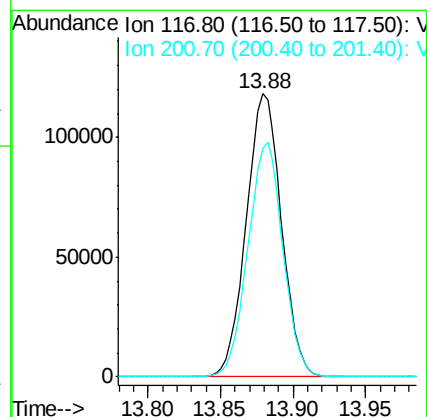
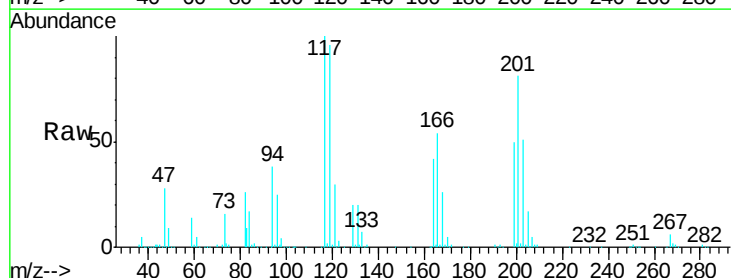
Lab File: VN059024.D

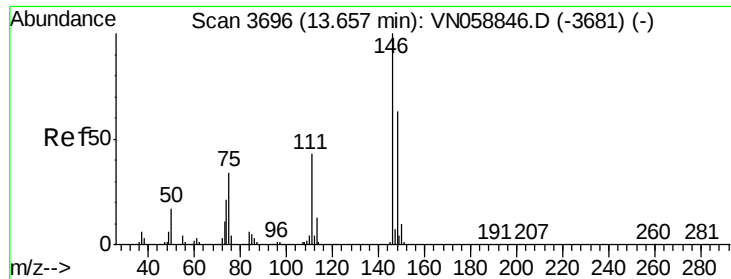
Acq: 31 Oct 2019 8:56

Tgt Ion: 117 Resp: 200147
Ion Ratio Lower Upper

117 100

201 82.1 38.9 116.6





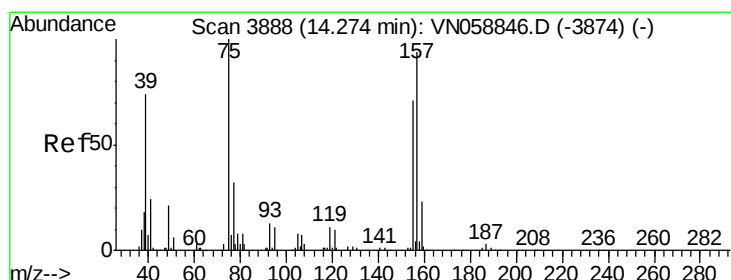
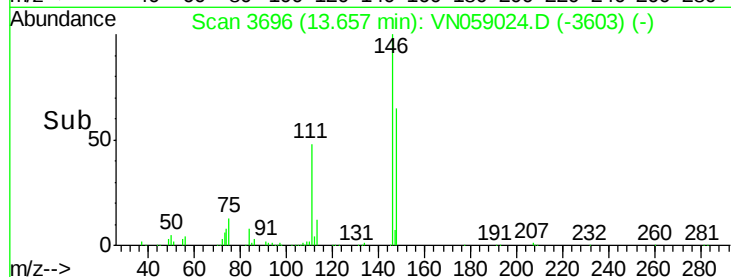
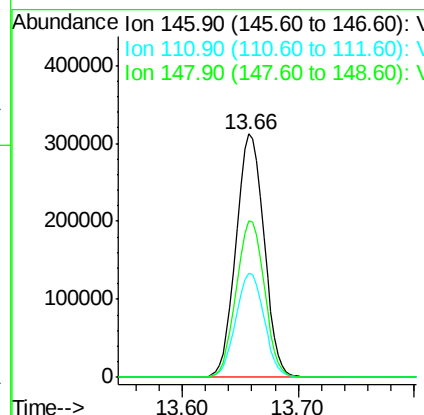
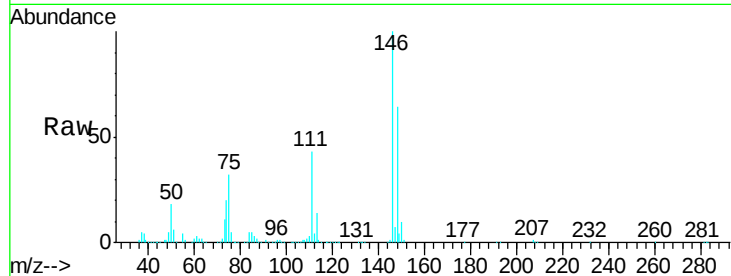
#91
 1,2-Dichlorobenzene
 Concen: 53.086 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	520818		
111	43.0	21.6	64.8	
148	64.9	31.9	95.9	

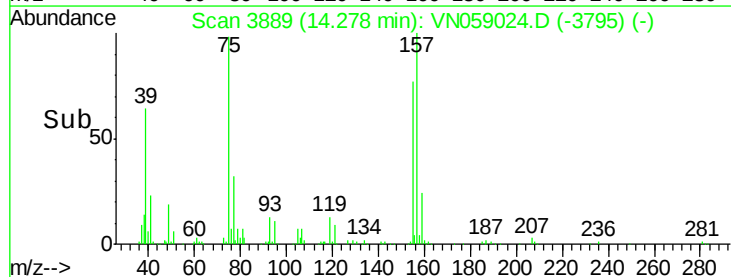
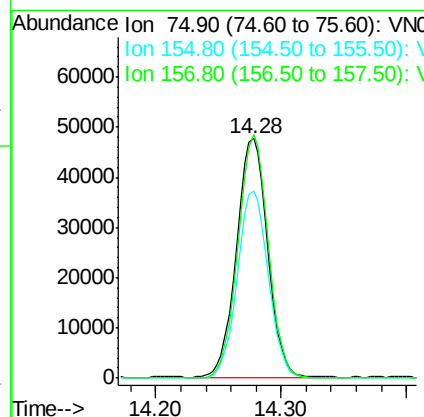
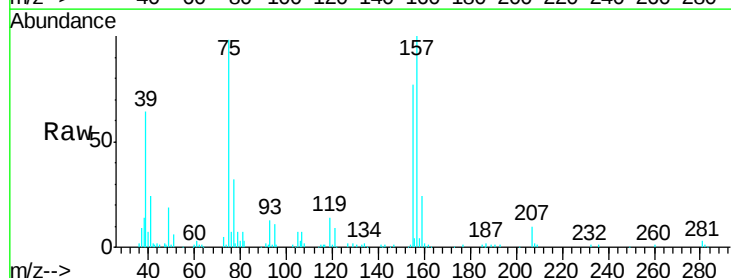
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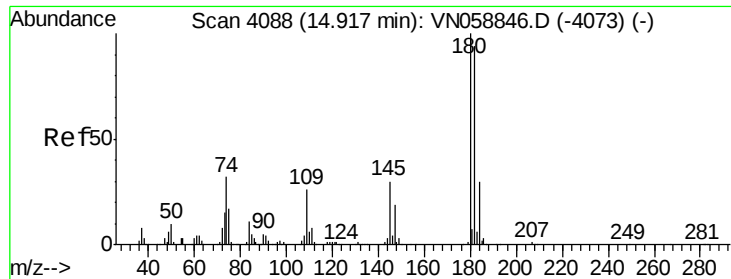
MMDadoda
 11/4/2019 7:04:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.034 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82916		
155	77.0	35.6	106.8	
157	97.9	47.4	142.2	





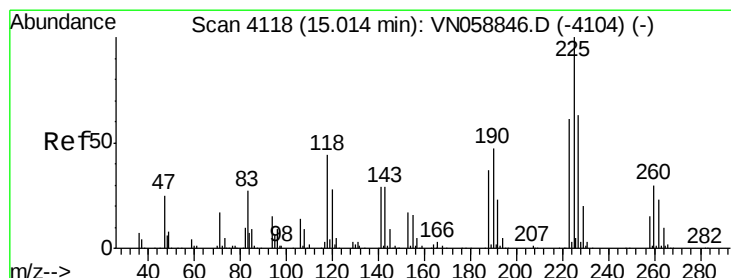
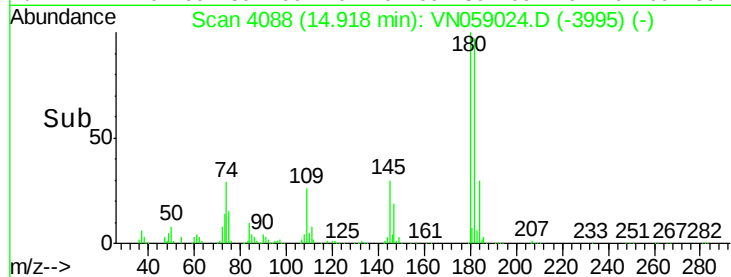
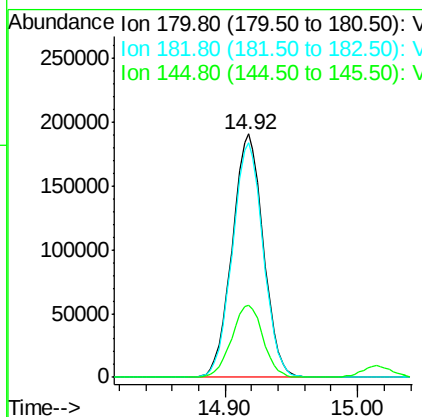
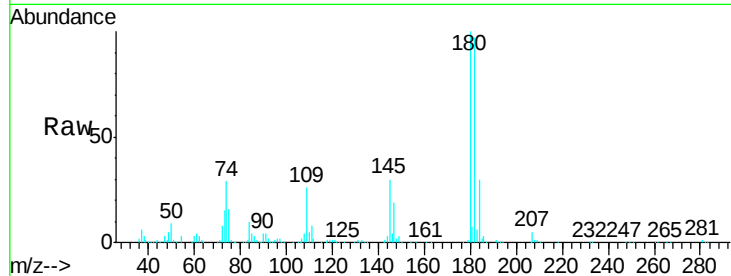
#93
 1,2,4-Trichlorobenzene
 Concen: 50.207 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	310148		
182	95.6	47.3	142.0	
145	30.1	15.3	45.8	

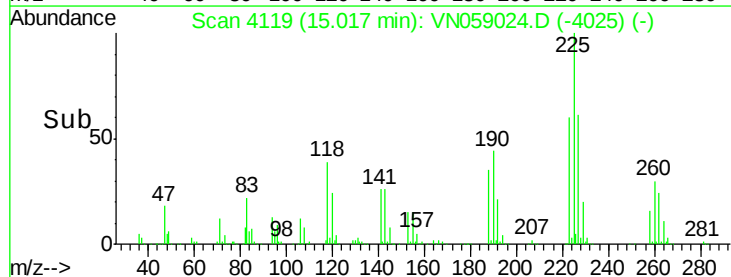
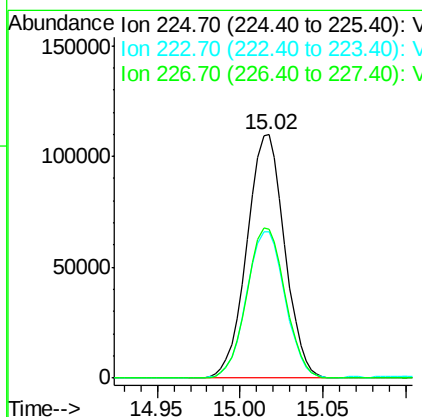
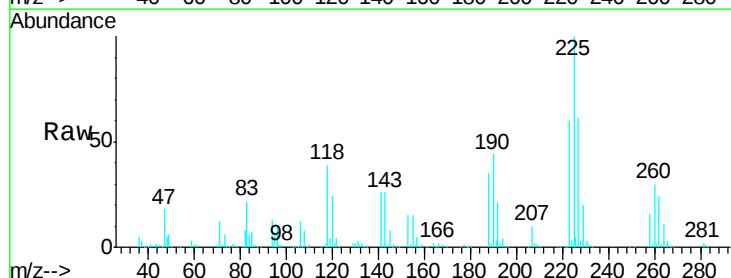
Manual Integrations
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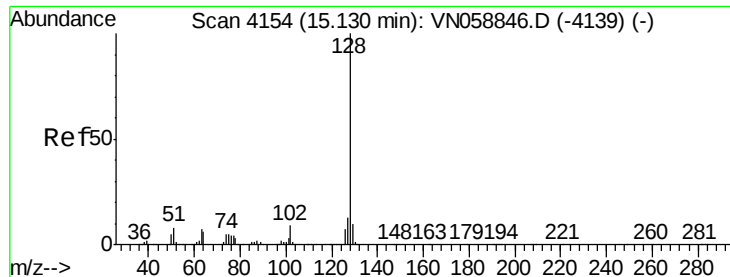
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 11/4/2019 7:04:06 AM



#94
 Hexachlorobutadiene
 Concen: 54.557 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059024.D
 Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173484		
223	61.7	30.9	92.5	
227	63.0	31.6	94.7	





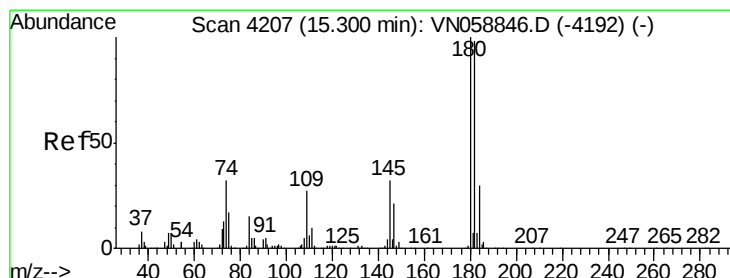
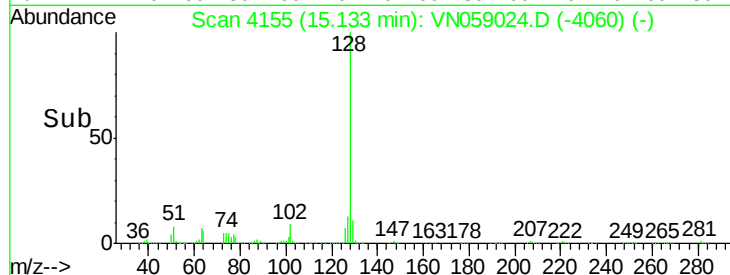
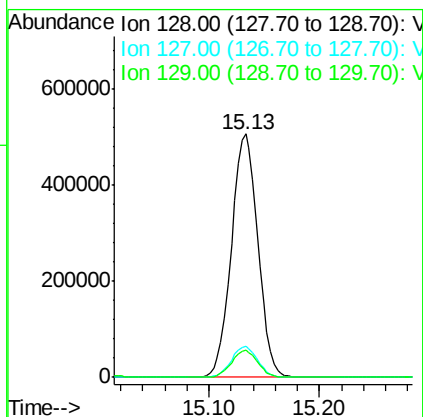
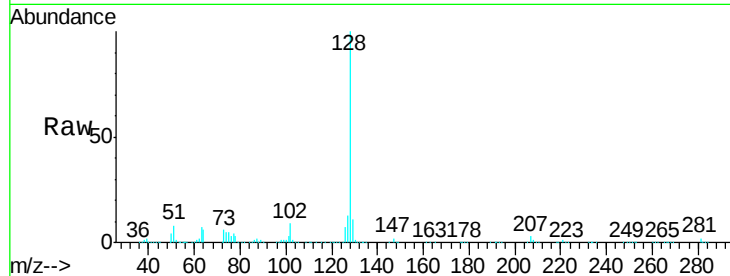
#95
Naphthalene
Concen: 47.419 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	839596		
127	12.8	10.2	15.2	
129	11.0	8.4	12.6	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.825 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059024.D
Acq: 31 Oct 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	299527		
182	96.1	47.9	143.7	
145	32.2	15.9	47.7	

