

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059982.D
 Acq On : 3 Feb 2020 18:05
 Operator : JC/MD
 Sample : VN0203MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:45 AM

Quant Time: Feb 04 04:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	304082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111395	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.57	113	92915	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	10.08	98	344964	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	128354	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35103	15.218	ug/l	100
3) Chloromethane	2.04	50	37842	17.298	ug/l	99
4) Vinyl Chloride	2.17	62	47634	19.030	ug/l	98
5) Bromomethane	2.55	94	27843	18.227	ug/l	97
6) Chloroethane	2.69	64	21757	18.373	ug/l	99
7) Trichlorofluoromethane	3.00	101	56641	18.843	ug/l	96
8) Diethyl Ether	3.39	74	20619	19.545	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31424	18.783	ug/l	92
10) Methyl Iodide	3.93	142	42551	15.735	ug/l	95
11) Tert butyl alcohol	4.73	59	36075	100.985	ug/l	97
12) 1,1-Dichloroethene	3.72	96	31734	18.152	ug/l	90
13) Acrolein	3.58	56	15677	61.995	ug/l	96
14) Allyl chloride	4.29	41	45592	19.348	ug/l #	88
15) Acrylonitrile	4.95	53	84298	103.450	ug/l	99
16) Acetone	3.78	43	74638	96.999	ug/l	96
17) Carbon Disulfide	4.03	76	74539	14.968	ug/l	99
18) Methyl Acetate	4.29	43	51876	20.929	ug/l	92
19) Methyl tert-butyl Ether	5.01	73	116766	20.486	ug/l	96
20) Methylene Chloride	4.53	84	38177	19.085	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	33531	18.044	ug/l	92
22) Diisopropyl ether	5.92	45	107714	20.171	ug/l	96
23) Vinyl Acetate	5.86	43	419399	101.441	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	64197	19.675	ug/l	97
25) 2-Butanone	6.80	43	113381	94.352	ug/l	91
26) 2,2-Dichloropropane	6.80	77	59673	19.023	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	42491	19.880	ug/l	90
28) Bromochloromethane	7.17	49	25723	19.725	ug/l #	75
29) Tetrahydrofuran	7.18	42	75035	100.921	ug/l	89
30) Chloroform	7.35	83	67922	20.091	ug/l	99
31) Cyclohexane	7.63	56	54560	17.378	ug/l #	88
32) 1,1,1-Trichloroethane	7.55	97	61953	19.820	ug/l	97
36) 1,1-Dichloropropene	7.77	75	47791	18.048	ug/l	96
37) Ethyl Acetate	6.90	43	48492	19.525	ug/l	97
38) Carbon Tetrachloride	7.75	117	53961	18.733	ug/l	100

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 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	55369	16.958	ug/l	92
40) Benzene	8.02	78	145159	18.380	ug/l	98
41) Methacrylonitrile	7.15	41	19136m	15.642	ug/l	
42) 1,2-Dichloroethane	8.10	62	53294	19.903	ug/l	97
43) Isopropyl Acetate	8.14	43	82539	19.321	ug/l #	95
44) Trichloroethene	8.82	130	40616	18.839	ug/l	92
45) 1,2-Dichloropropane	9.10	63	37268	19.070	ug/l	98
46) Dibromomethane	9.19	93	26444	19.183	ug/l	91
47) Bromodichloromethane	9.39	83	53954	19.422	ug/l	99
48) Methyl methacrylate	9.18	41	35075	18.356	ug/l	90
49) 1,4-Dioxane	9.18	88	13313	380.582	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	246257	99.719	ug/l	95
52) Toluene	10.14	92	92769	18.597	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	60478	19.498	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	63650	19.502	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	38404	19.438	ug/l	97
56) Ethyl methacrylate	10.42	69	56756	18.800	ug/l	93
57) 1,3-Dichloropropane	10.70	76	63184	20.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	95035	104.515	ug/l	93
59) 2-Hexanone	10.74	43	179135	98.464	ug/l	95
60) Dibromochloromethane	10.89	129	44426	19.746	ug/l	99
61) 1,2-Dibromoethane	11.00	107	40745	19.676	ug/l	99
64) Tetrachloroethene	10.62	164	36849	16.008	ug/l	95
65) Chlorobenzene	11.43	112	103512	18.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40668	18.959	ug/l	97
67) Ethyl Benzene	11.51	91	184253	18.284	ug/l	98
68) m/p-Xylenes	11.62	106	137468	36.113	ug/l	95
69) o-Xylene	11.94	106	67327	18.066	ug/l	95
70) Styrene	11.96	104	108490	17.397	ug/l	98
71) Bromoform	12.12	173	32193	18.737	ug/l #	97
73) Isopropylbenzene	12.25	105	182018	18.275	ug/l	100
74) N-amyl acetate	12.07	43	69883	18.082	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	56435	19.546	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	51887m	22.703	ug/l	
77) Bromobenzene	12.52	156	47239	18.729	ug/l	82
78) n-propylbenzene	12.59	91	204323	18.278	ug/l	97
79) 2-Chlorotoluene	12.67	91	120492	18.118	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	150574	17.976	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19798	18.603	ug/l	96
82) 4-Chlorotoluene	12.77	91	124805	18.710	ug/l	97
83) tert-Butylbenzene	12.99	119	130194	17.972	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	151915	18.332	ug/l	100
85) sec-Butylbenzene	13.17	105	171960	18.067	ug/l	100
86) p-Isopropyltoluene	13.29	119	157050	17.832	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	81992	18.715	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	80468	18.411	ug/l	98
89) n-Butylbenzene	13.61	91	136210	18.139	ug/l	98
90) Hexachloroethane	13.87	117	29047	17.628	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	80097	18.493	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12509	18.885	ug/l	87

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QLast Update : Sat Jan 18 03:09:32 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49201	18.905	ug/l	99
94) Hexachlorobutadiene	15.01	225	24335	16.968	ug/l	99
95) Naphthalene	15.13	128	140476	18.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47614	18.795	ug/l	100

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

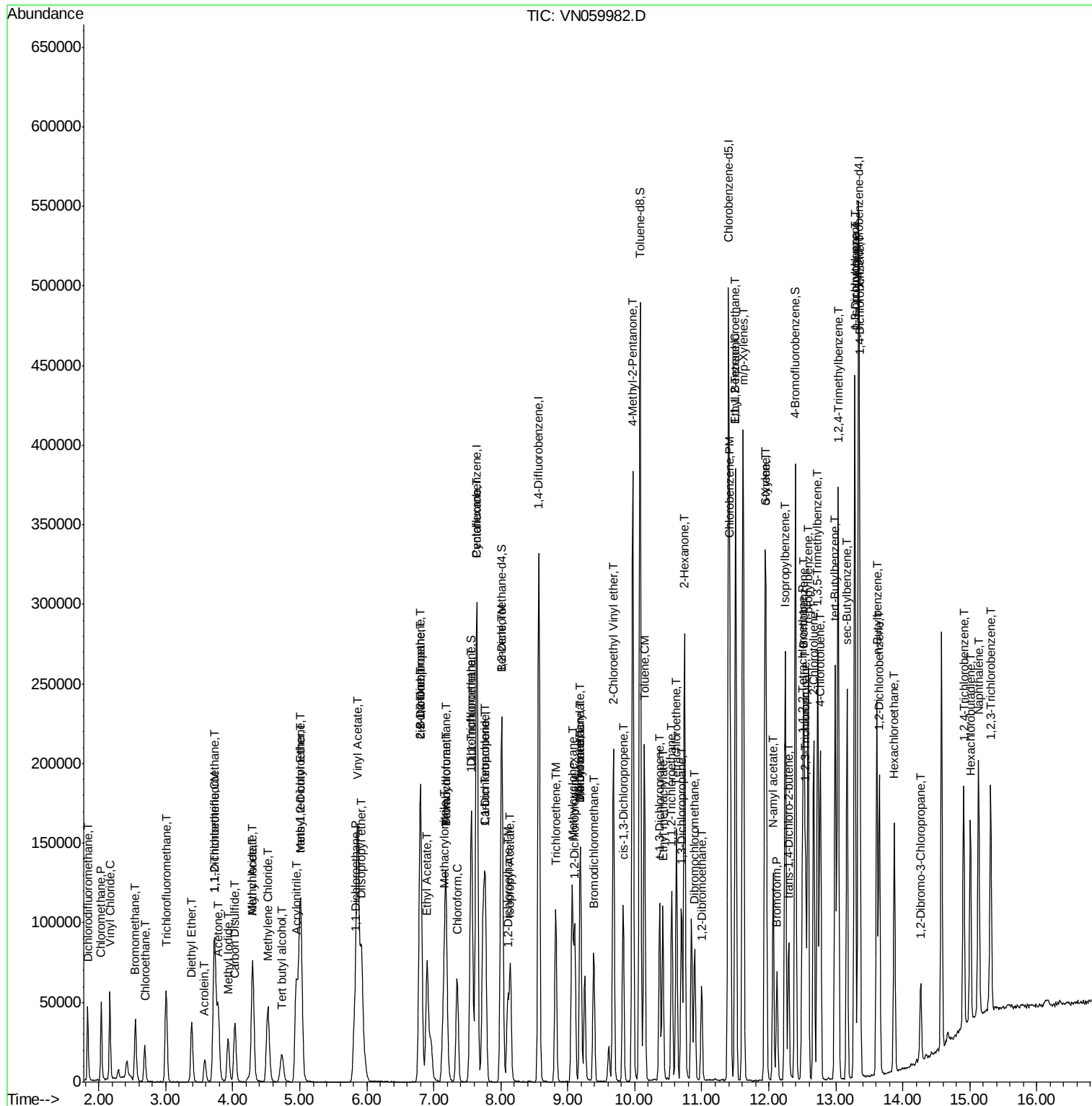
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
Data File : VN059982.D
Acq On : 3 Feb 2020 18:05
Operator : JC/MD
Sample : VN0203MBS01
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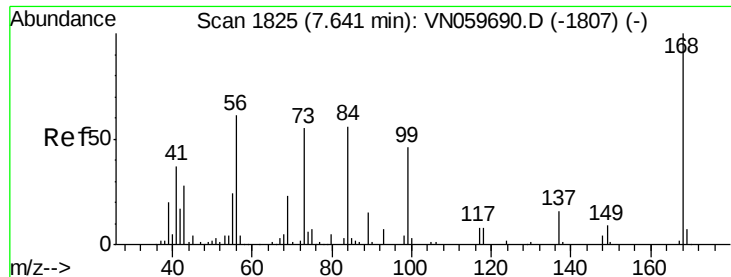
Instrument :
MSVOA_N
Client Sample ID :
VN0203MBS01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion:168 Resp: 191082

Ion Ratio Lower Upper

168 100

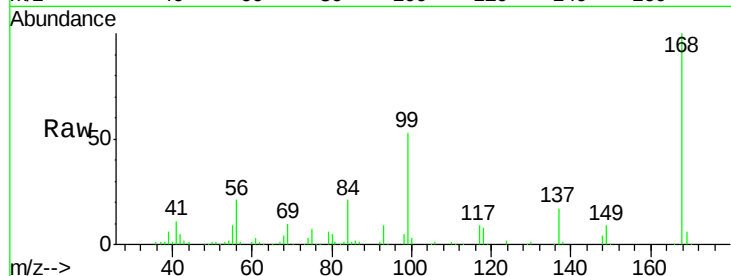
99 53.4 48.2 72.4

Manual Integrations

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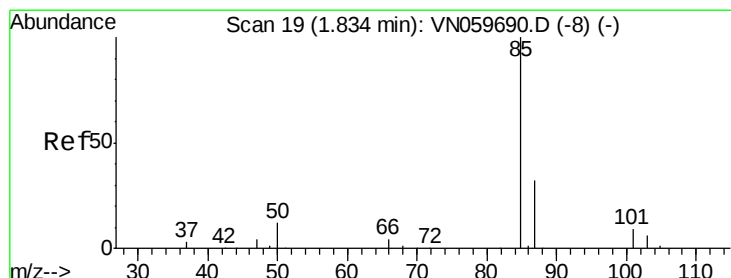
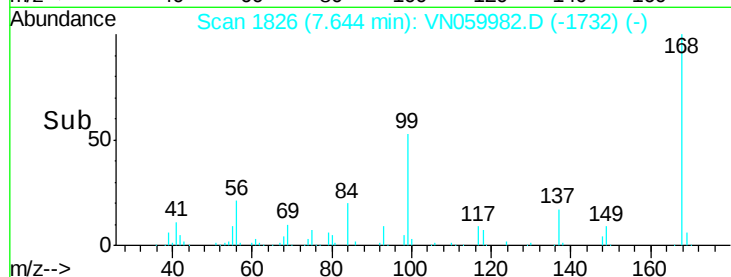
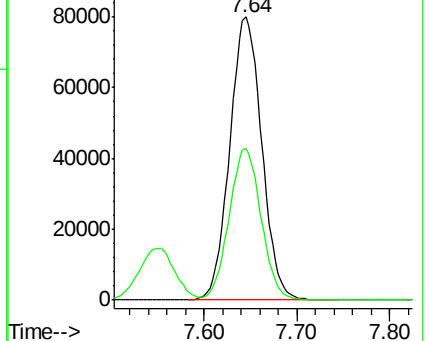
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.218 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059982.D

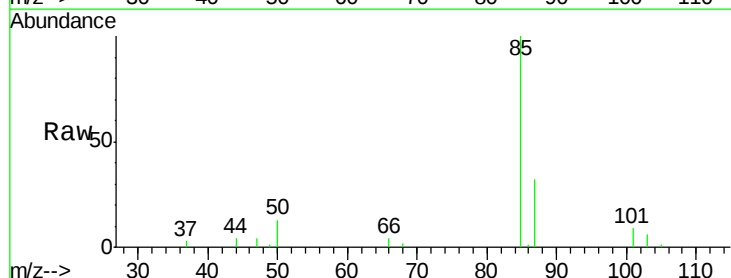
Acq: 3 Feb 2020 18:05

Tgt Ion: 85 Resp: 35103

Ion Ratio Lower Upper

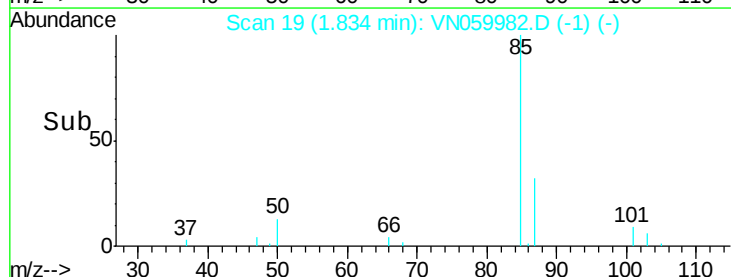
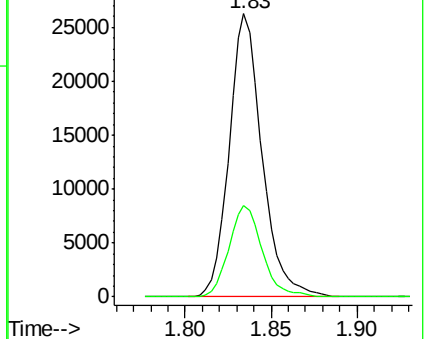
85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.298 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 50 Resp: 37842

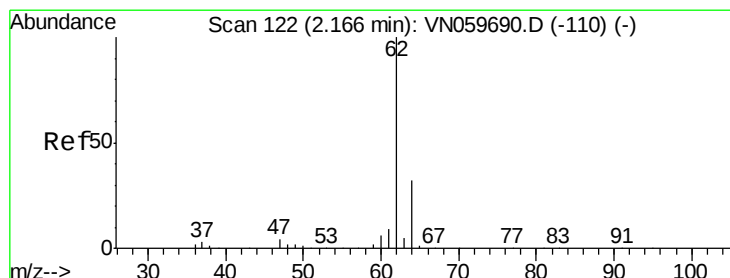
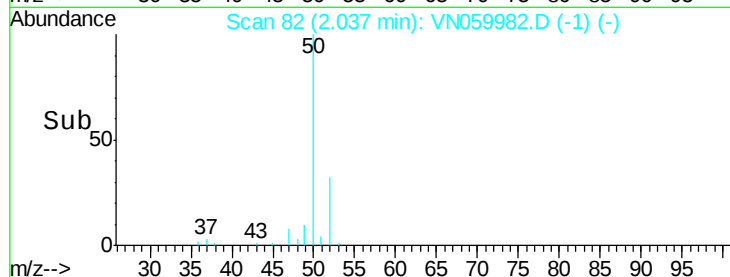
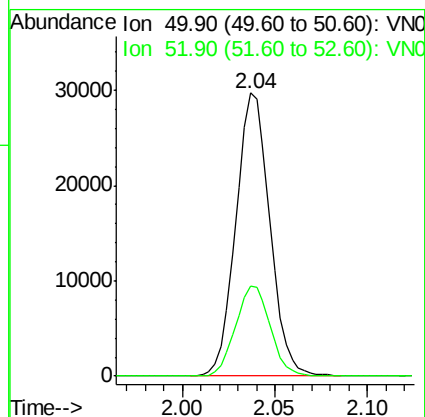
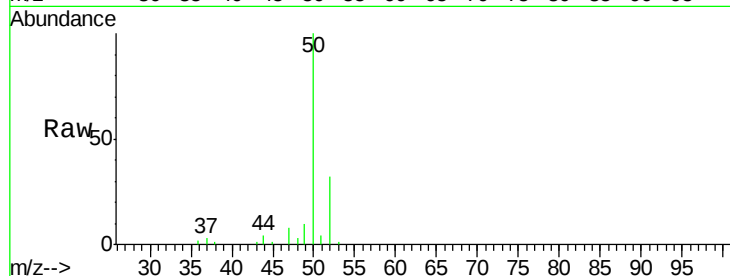
Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.030 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059982.D

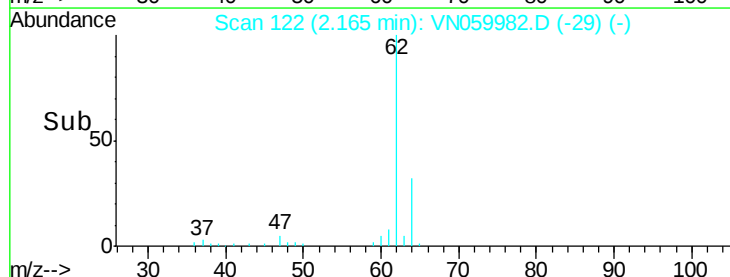
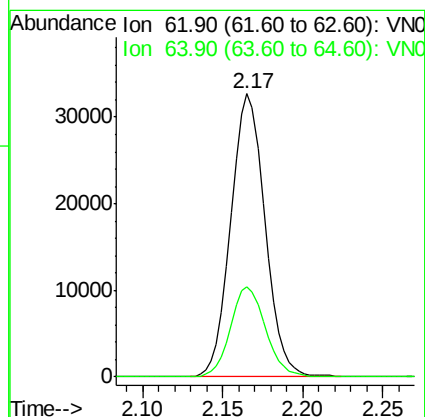
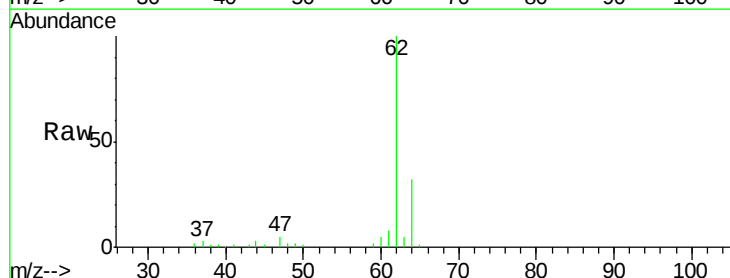
Acq: 3 Feb 2020 18:05

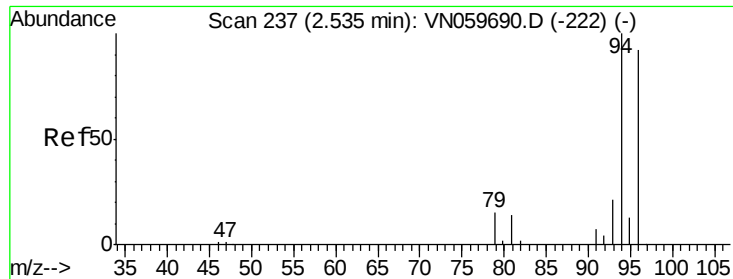
Tgt Ion: 62 Resp: 47634

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 18.227 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 94 Resp: 27843

Ion Ratio Lower Upper

94 100

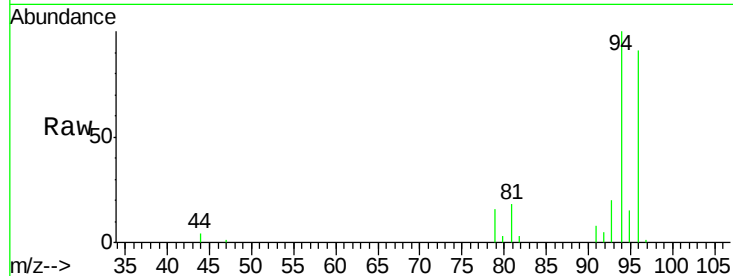
96 90.8 74.7 112.1

Manual Integrations

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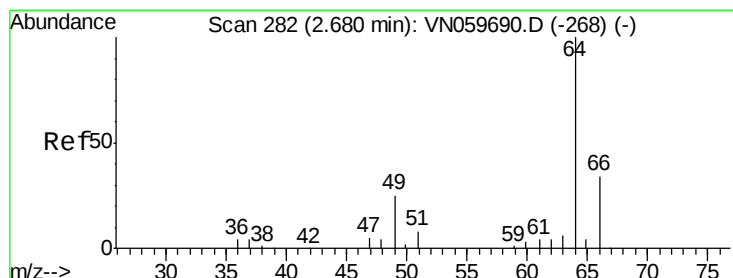
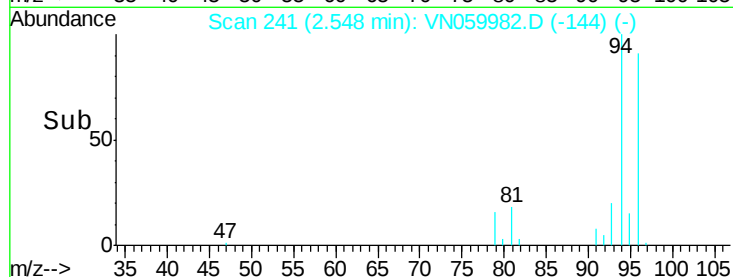
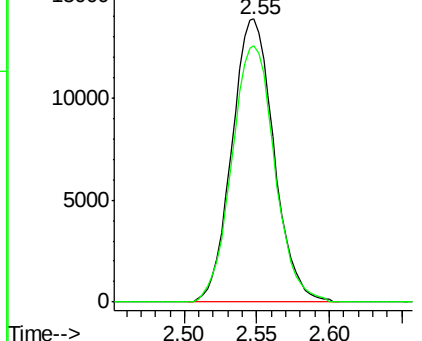
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.373 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059982.D

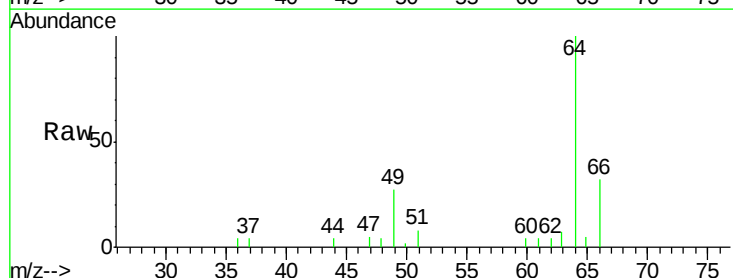
Acq: 3 Feb 2020 18:05

Tgt Ion: 64 Resp: 21757

Ion Ratio Lower Upper

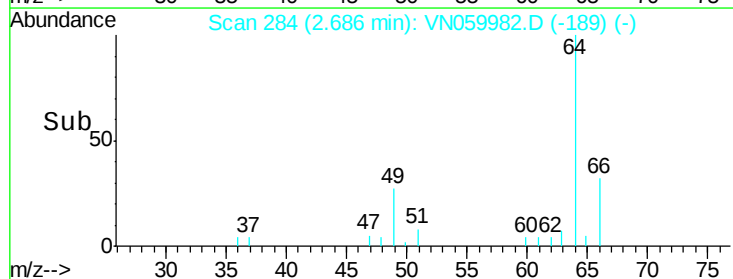
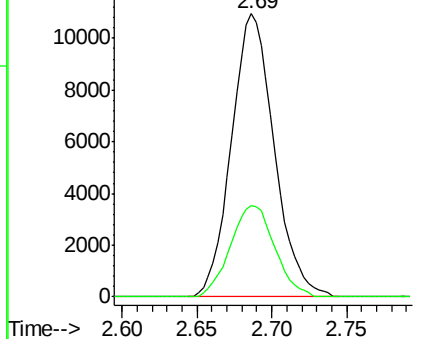
64 100

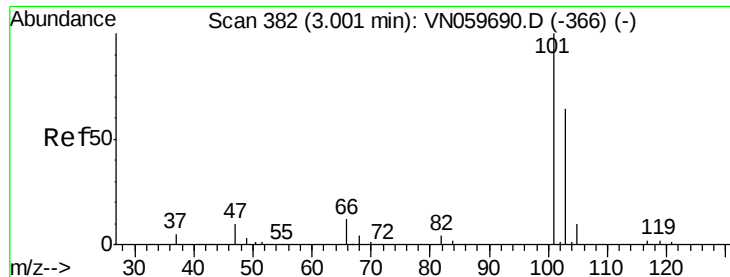
66 32.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

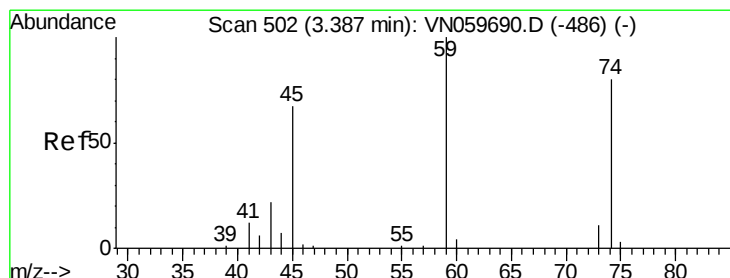
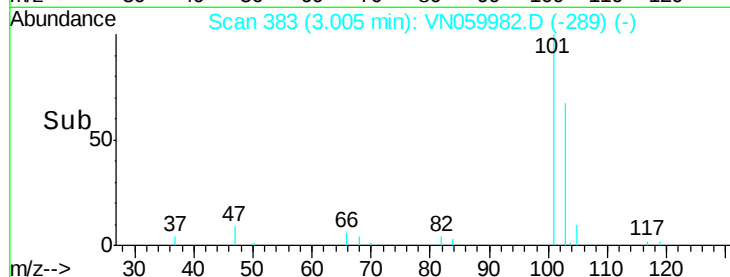
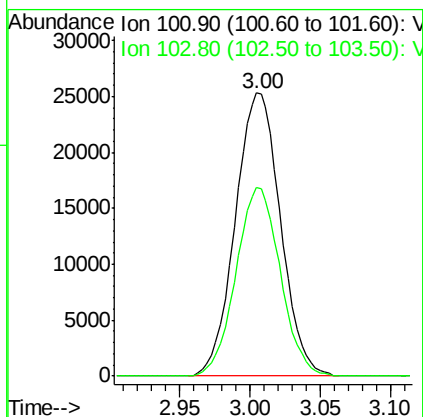
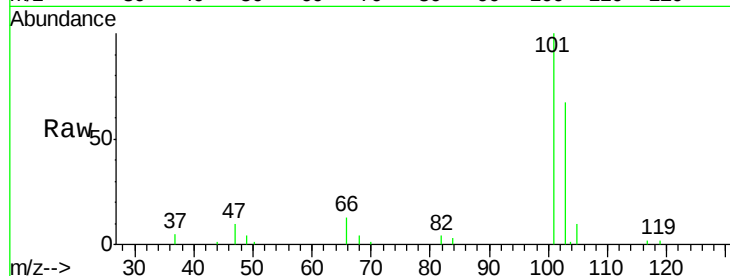
Trichlorofluoromethane
Concen: 18.843 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.0	76.6

Manual Integrations
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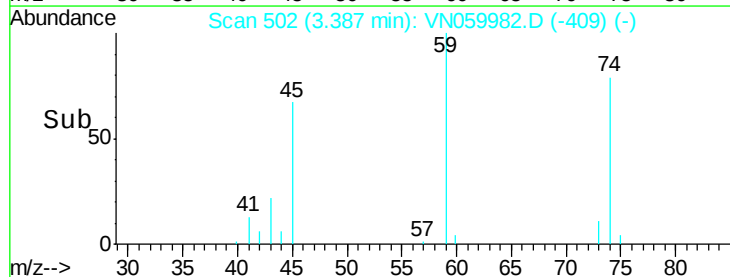
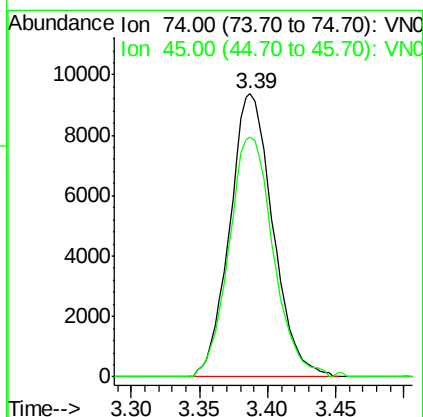
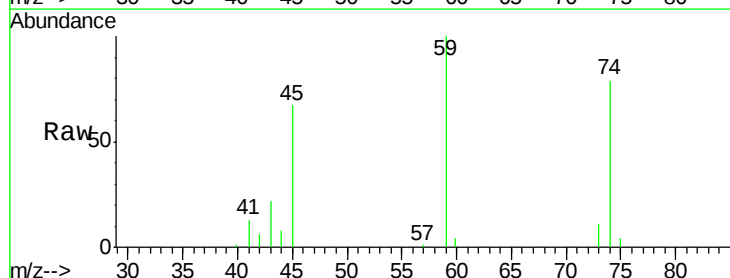
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2/4/2020 11:20:45 AM



#8

Diethyl Ether
Concen: 19.545 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.8	51.9	155.8





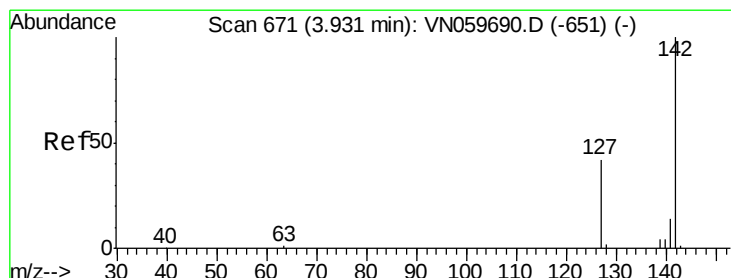
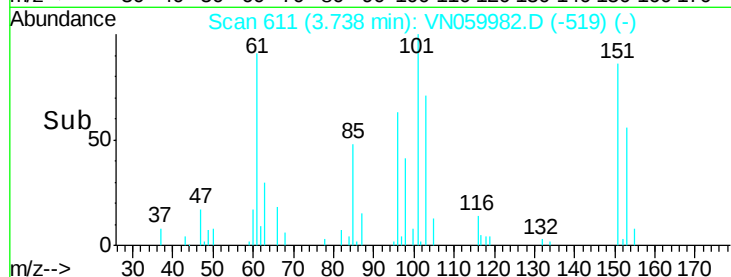
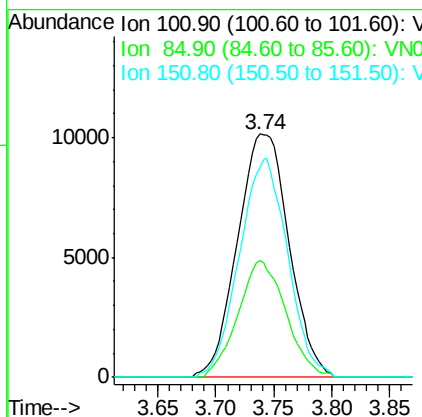
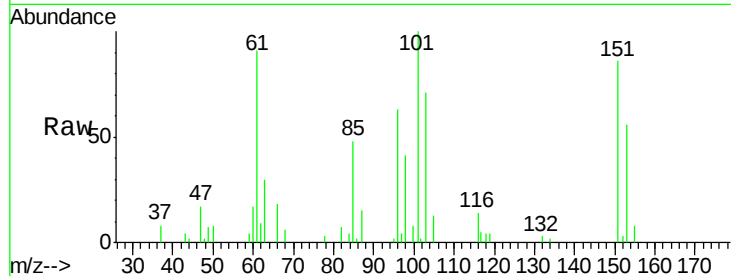
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.783 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	36.6	54.8
151	84.0	59.7	89.5

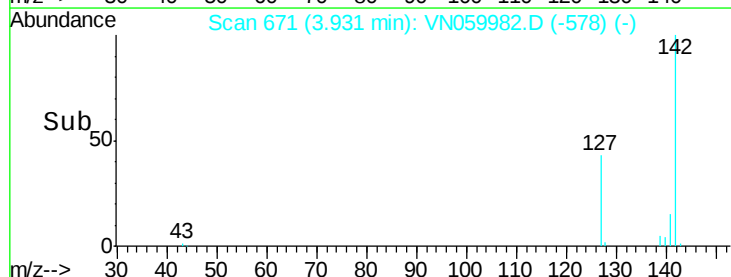
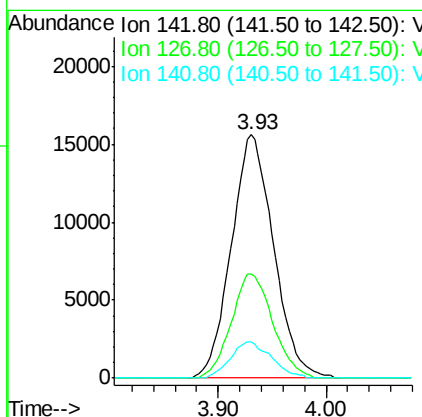
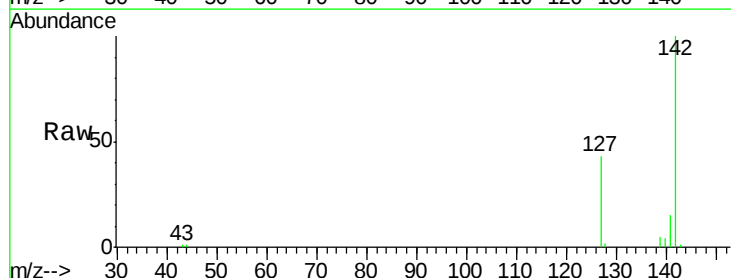
Manual Integrations
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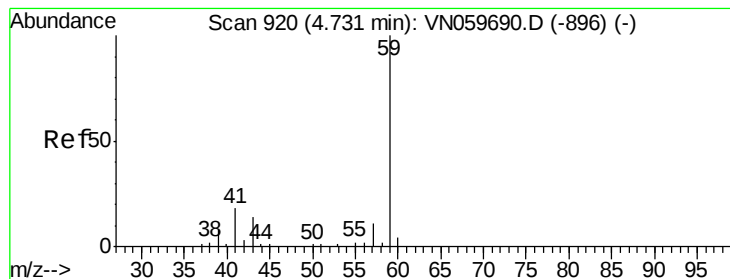
MMDadoda
 2/4/2020 11:20:45 AM



#10
 Methyl Iodide
 Concen: 15.735 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	36.7	55.1
141	14.4	11.7	17.5





#11

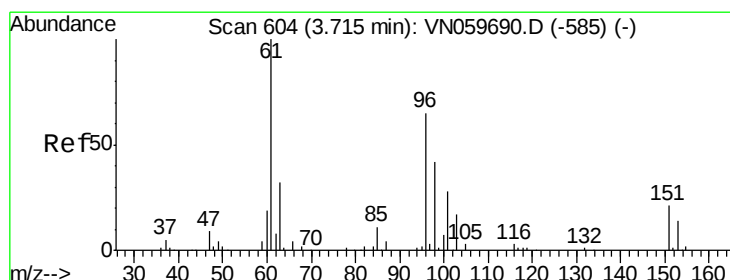
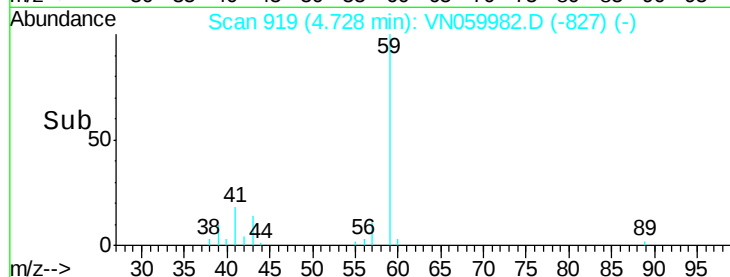
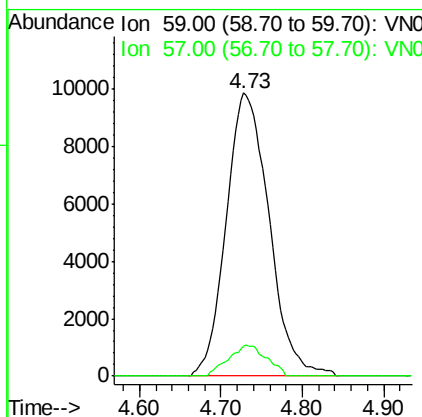
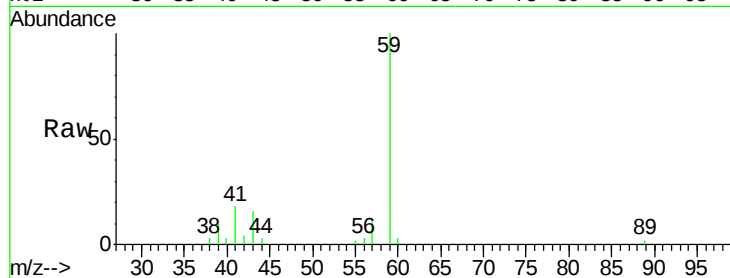
Tert butyl alcohol
 Concen: 100.985 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.6	12.8

Manual Integrations
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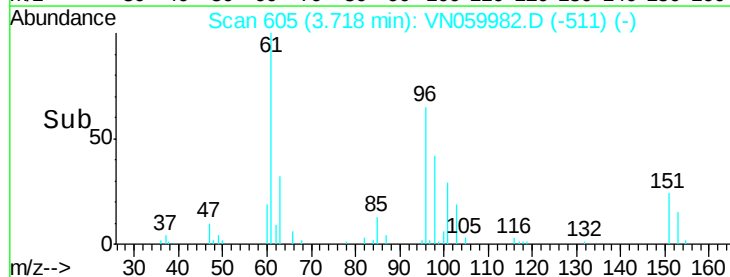
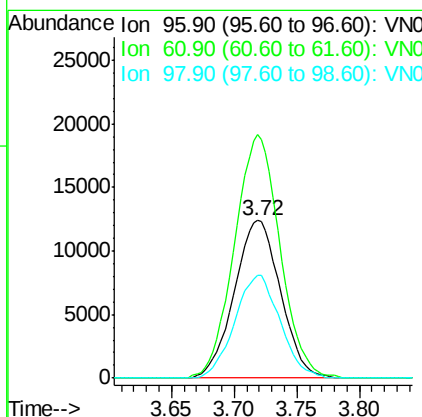
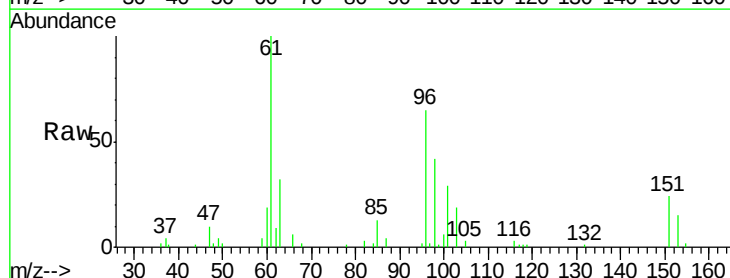
MMDadoda
 2/4/2020 11:20:45 AM



#12

1,1-Dichloroethene
 Concen: 18.152 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	137.5	206.3
98	65.5	50.2	75.4





#13

Acrolein

Concen: 61.995 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

VN0203MBS01

Tot Ion: 56 Resp: 15677

Ion Ratio Lower Upper

56 100

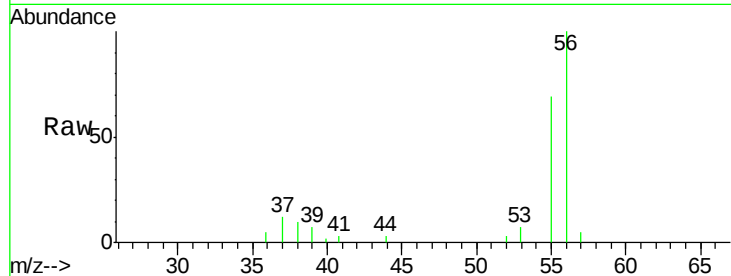
55 70.3 58.6 88.0

Manual Integrations

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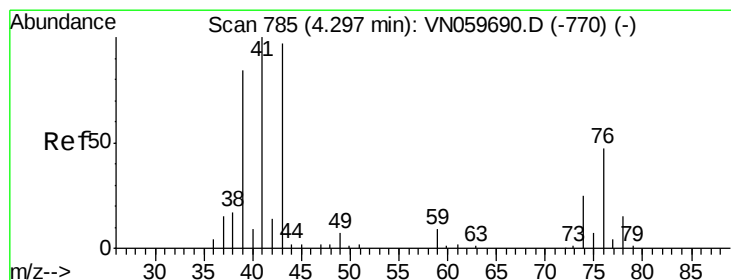
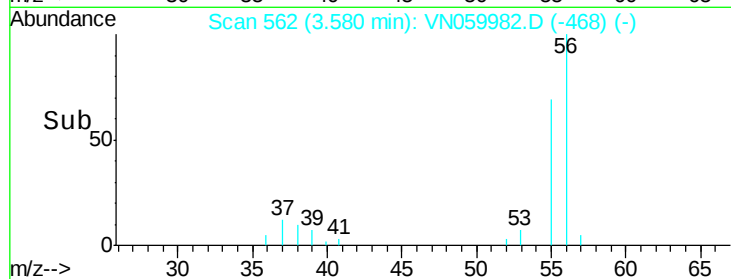
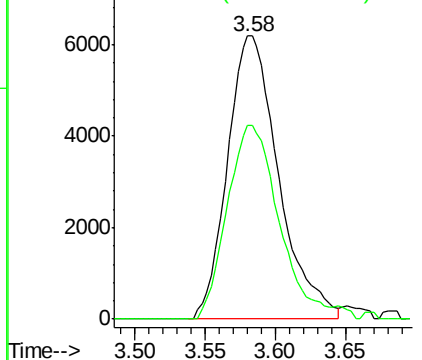
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.348 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

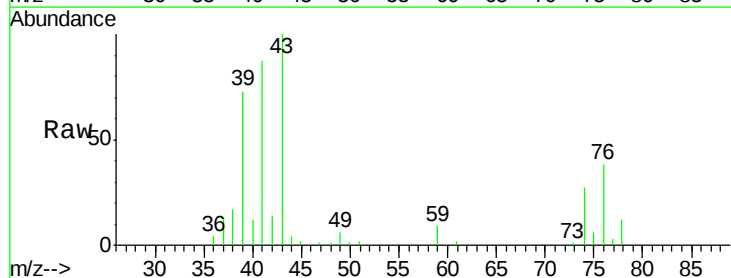
Tgt Ion: 41 Resp: 45592

Ion Ratio Lower Upper

41 100

39 81.0 57.8 86.8

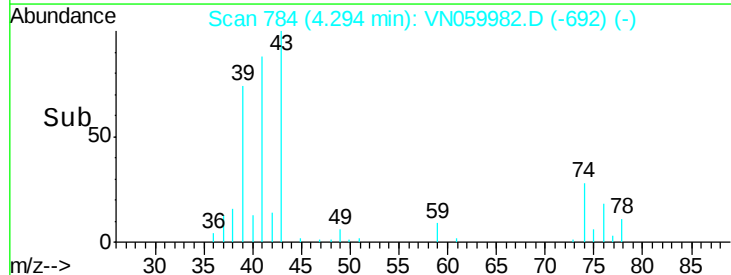
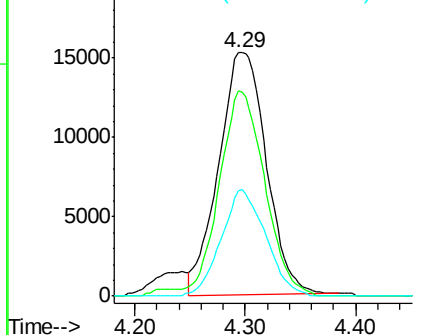
76 41.0 25.4 38.0#

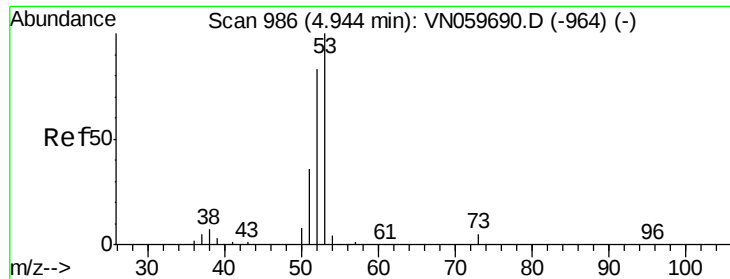


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.450 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

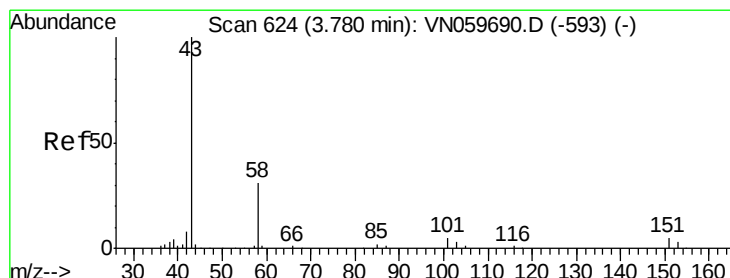
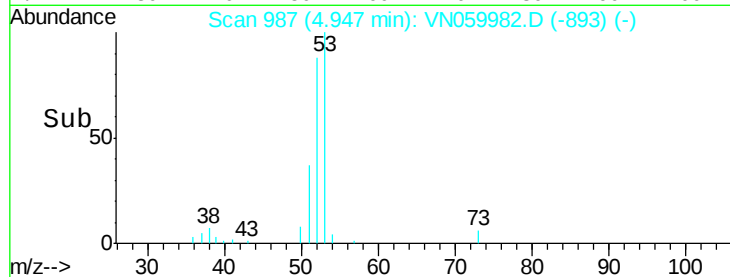
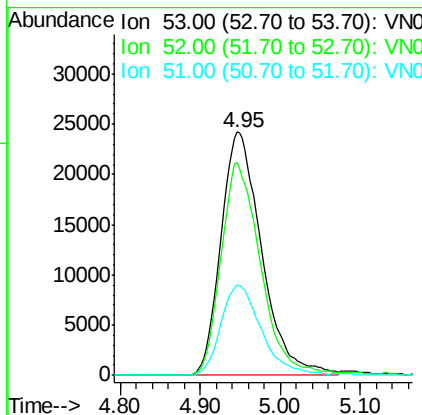
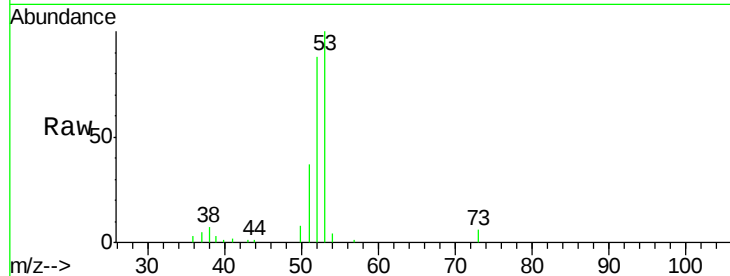
ClientSampleId :

VN0203MBS01

Tot Ion:	53	Resp:	84298
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.3	99.5
51	36.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 96.999 ug/l

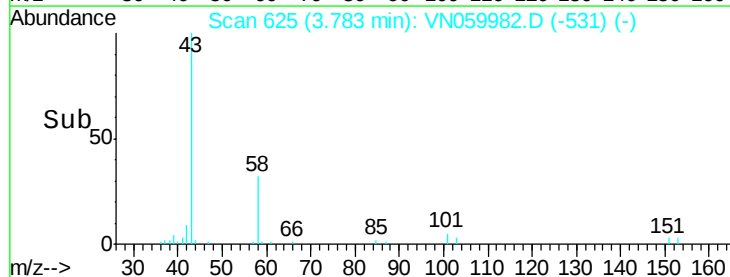
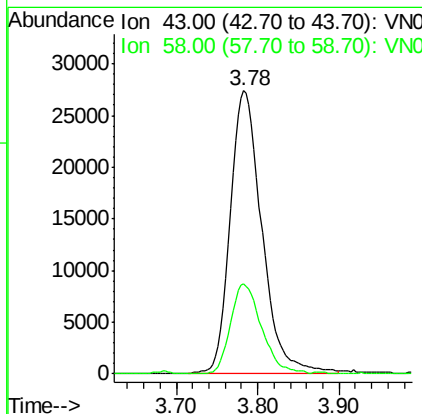
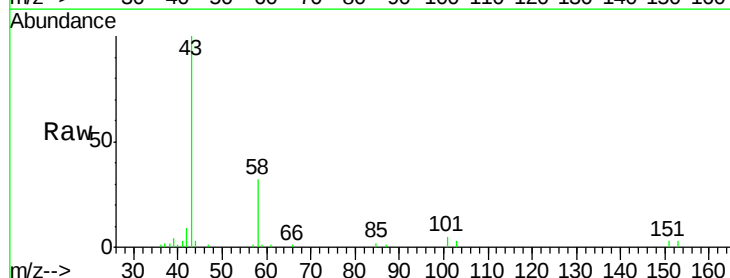
RT: 3.78 min Scan# 625

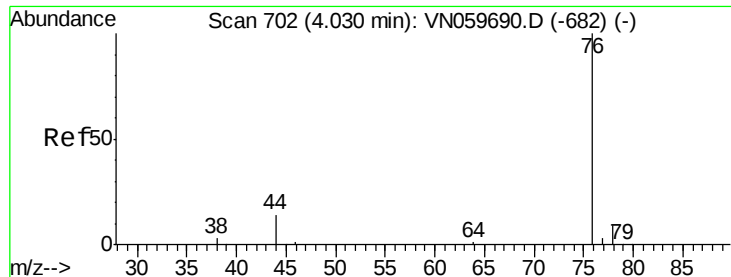
Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Tgt Ion:	43	Resp:	74638
Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.6	35.4





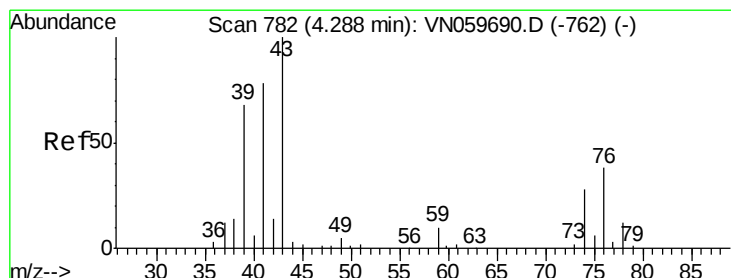
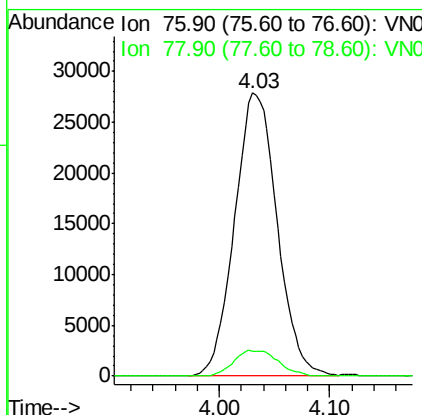
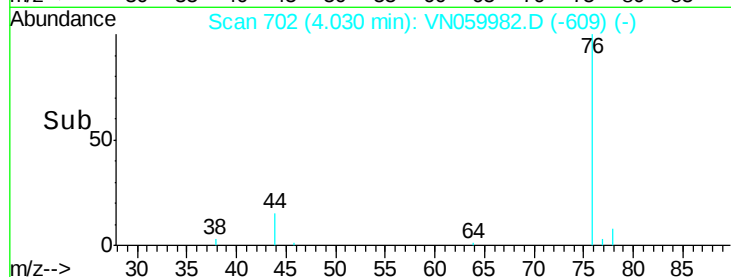
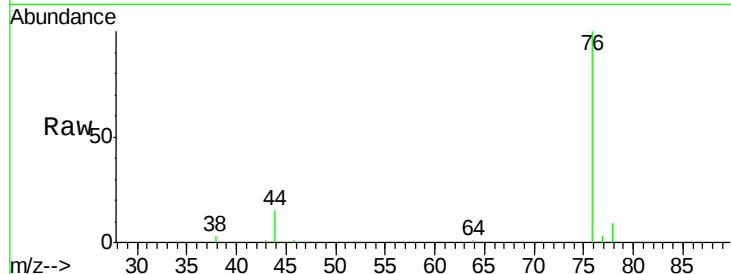
#17
Carbon Disulfide
Concen: 14.968 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion: 76 Resp: 74539
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

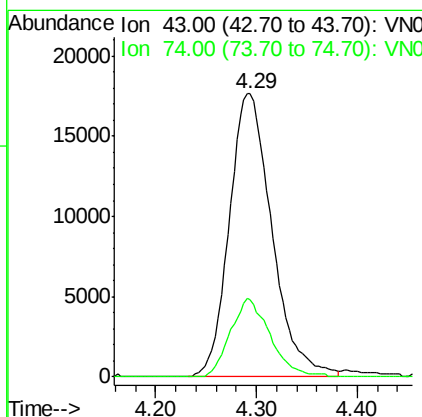
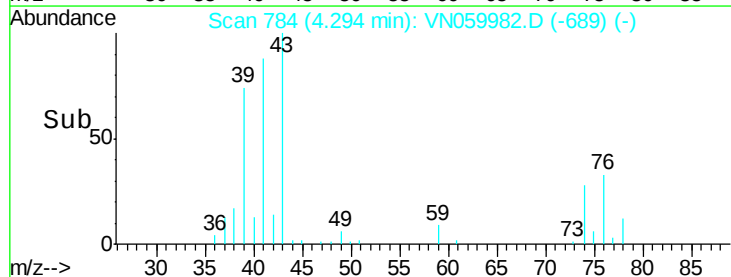
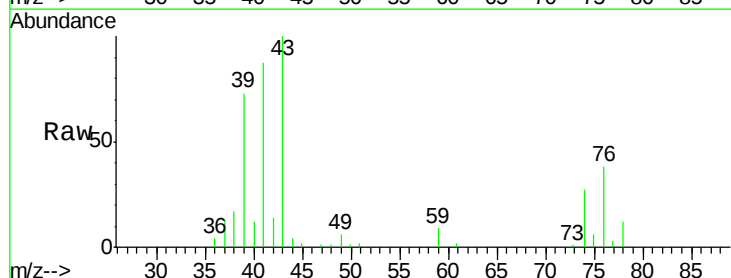
Manual Integrations
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#18
Methyl Acetate
Concen: 20.929 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion: 43 Resp: 51876
Ion Ratio Lower Upper
43 100
74 25.8 17.5 26.3





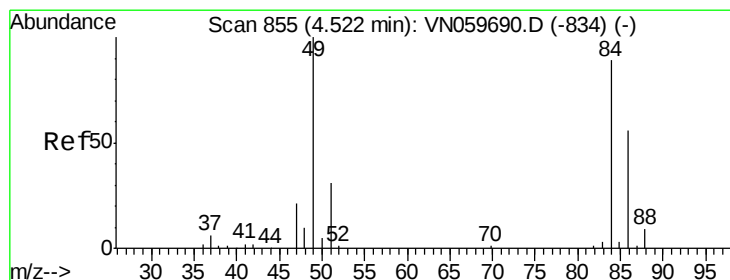
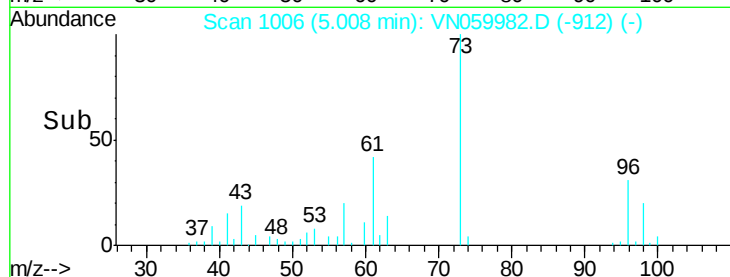
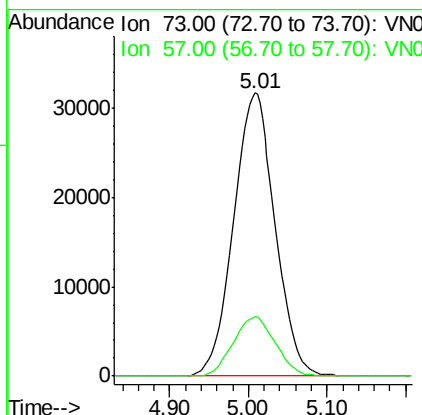
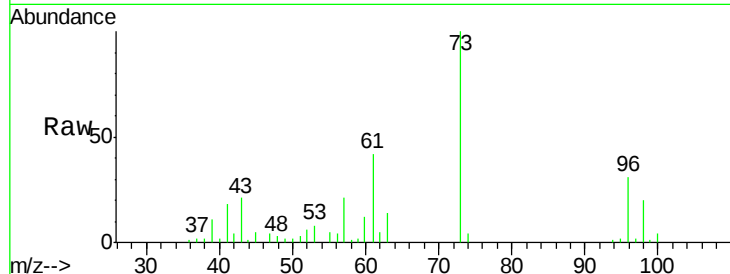
#19
Methvl tert-butvl Ether
Concen: 20.486 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion: 73 Resp: 116766
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

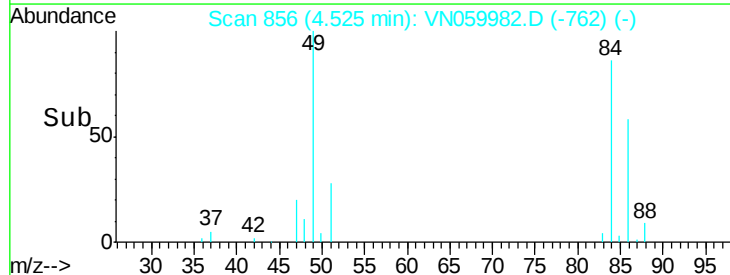
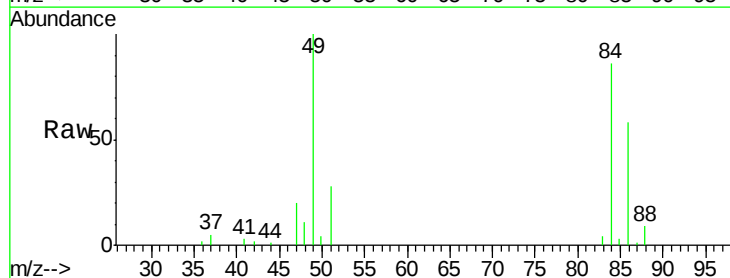
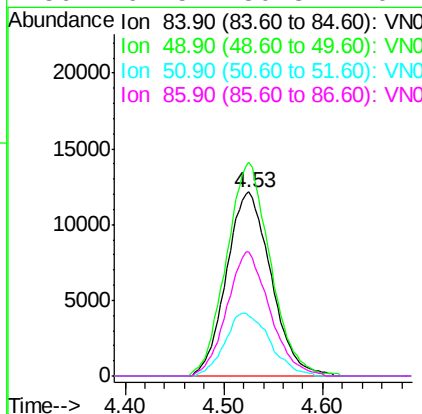
Manual Integrations
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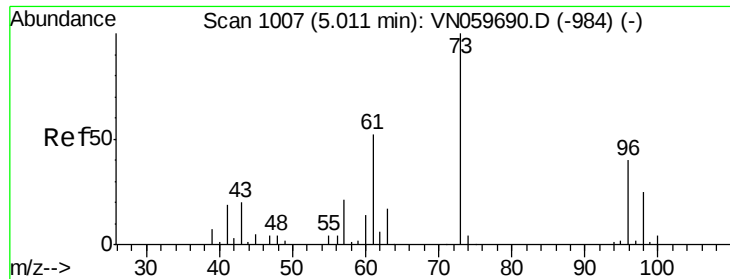
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2/4/2020 11:20:45 AM



#20
Methylene Chloride
Concen: 19.085 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion: 84 Resp: 38177
Ion Ratio Lower Upper
84 100
49 116.2 106.6 160.0
51 32.8 31.9 47.9
86 67.5 50.8 76.2





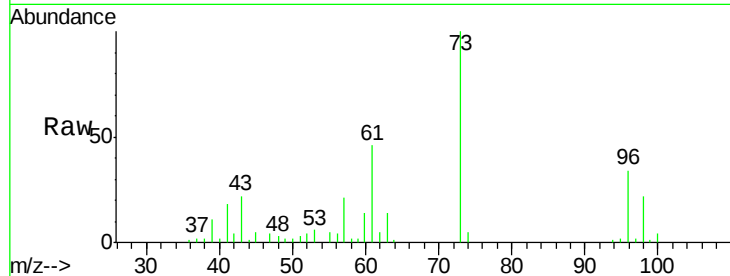
#21
trans-1,2-Dichloroethene
Concen: 18.044 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

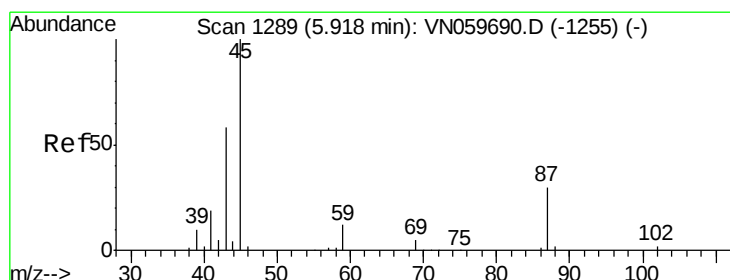
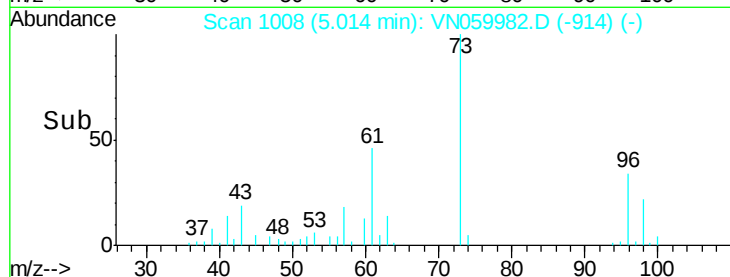
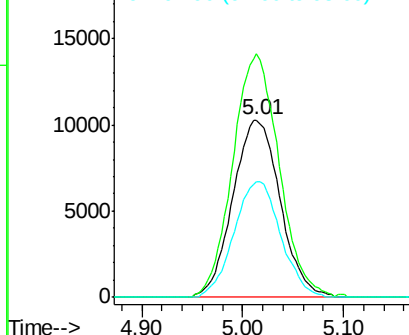
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	120.4	180.6
98	65.1	50.6	75.8

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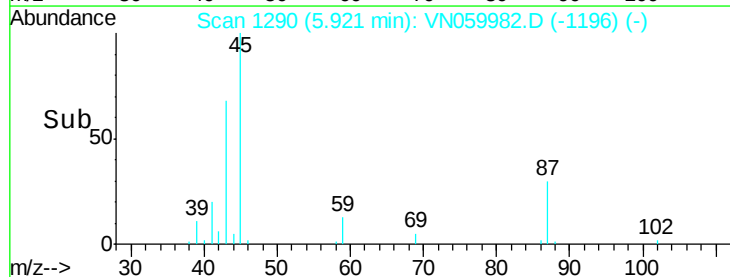
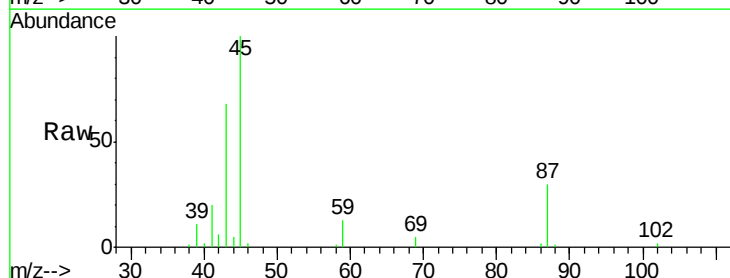
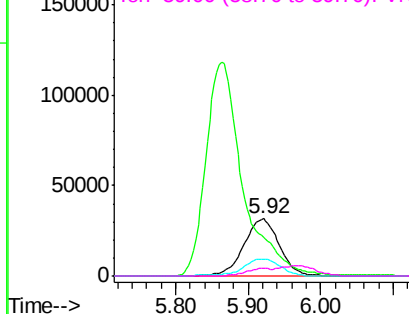
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

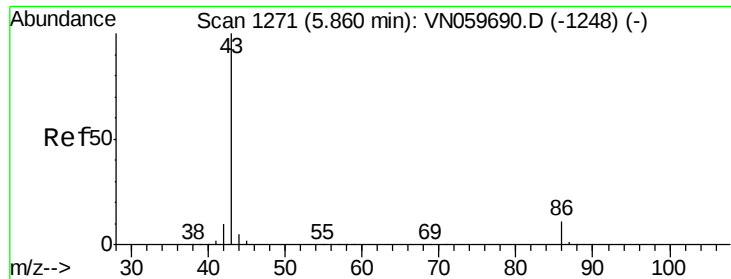


#22
Diisopropyl ether
Concen: 20.171 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.3	50.8	76.2
87	29.5	21.0	31.6
59	13.3	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





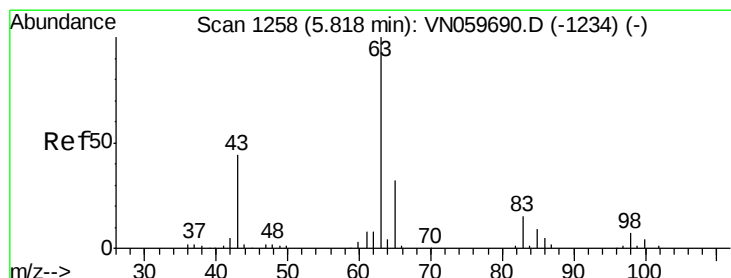
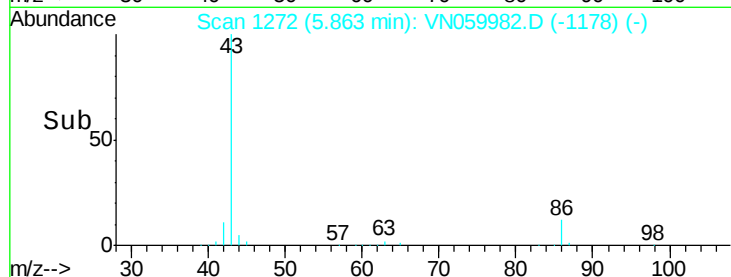
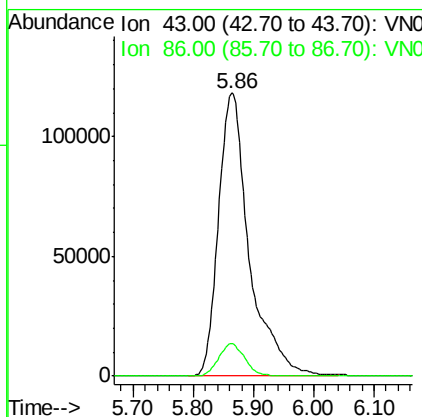
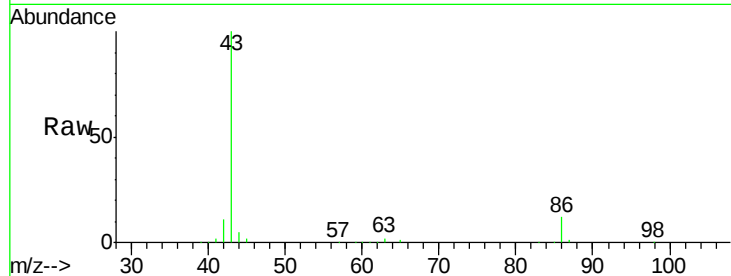
#23
 Vinyl Acetate
 Concen: 101.441 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0203MBS01

Tot Ion: 43 Resp: 419399
 Ion Ratio Lower Upper
 43 100
 86 11.6 7.6 11.4#

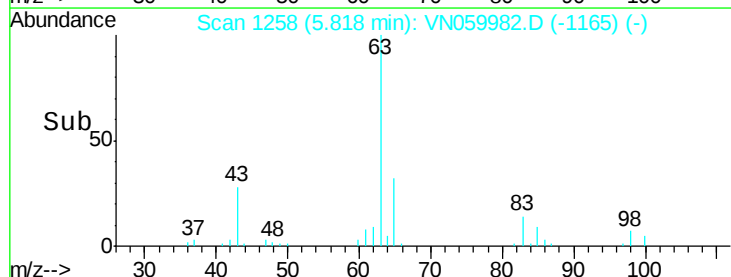
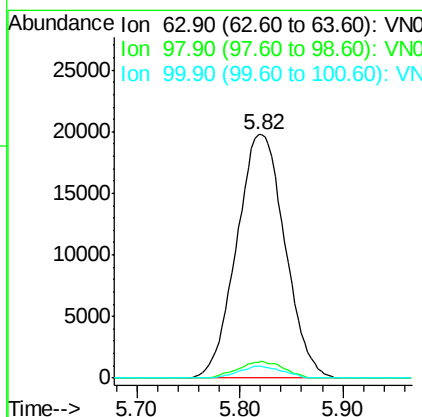
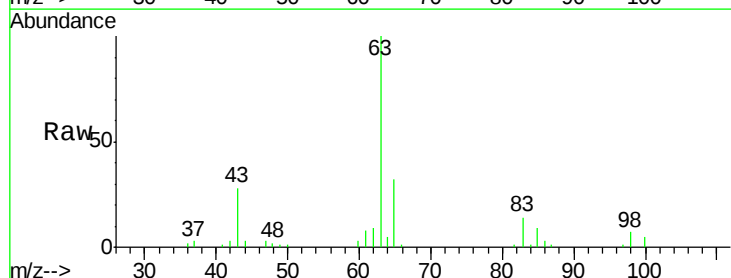
Manual Integrations
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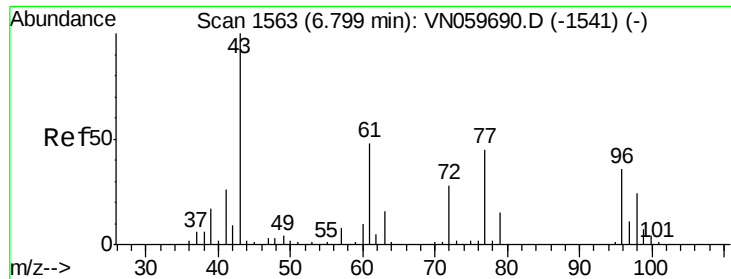
MMDadoda
 2/4/2020 11:20:45 AM



#24
 1,1-Dichloroethane
 Concen: 19.675 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion: 63 Resp: 64197
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.7
 100 5.0 2.0 6.0





#25

2-Butanone

Concen: 94.352 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBSD01

Tot Ion: 43 Resp: 113381

Ion Ratio Lower Upper

43 100

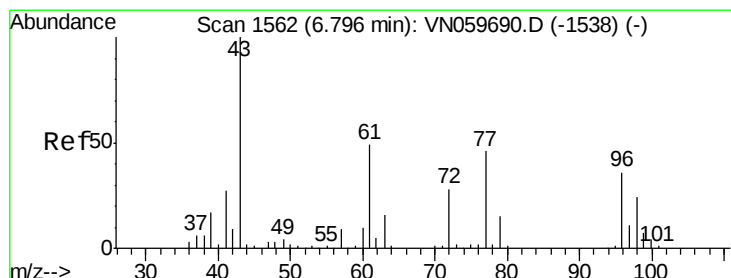
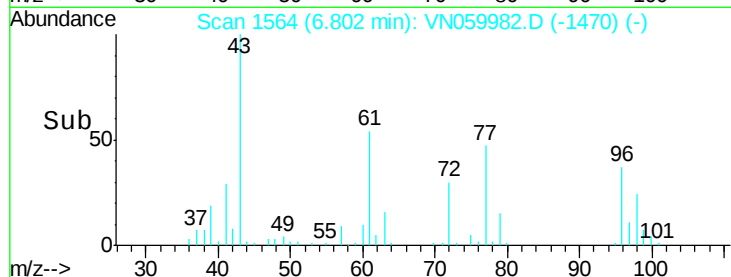
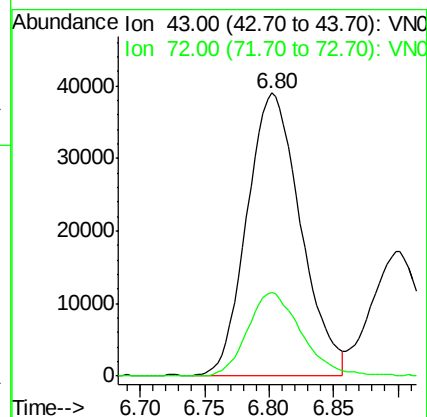
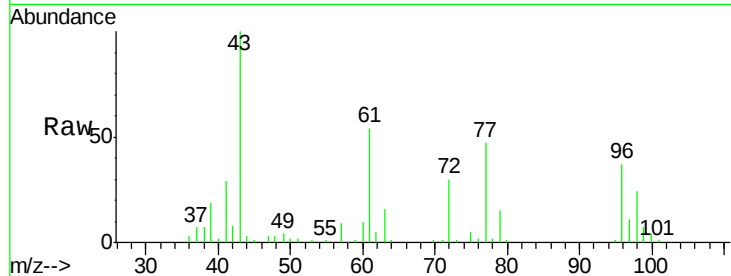
72 29.5 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 19.023 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059982.D

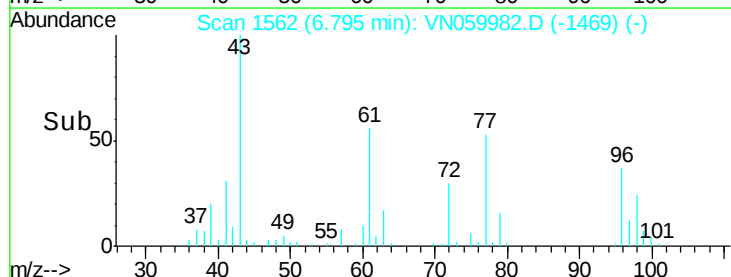
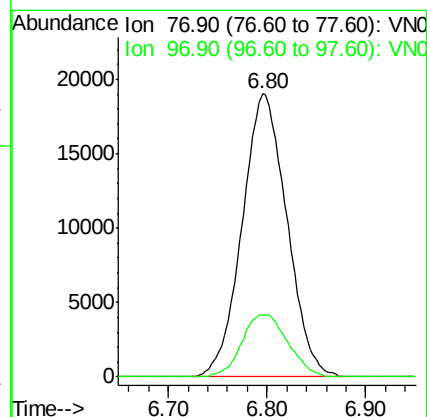
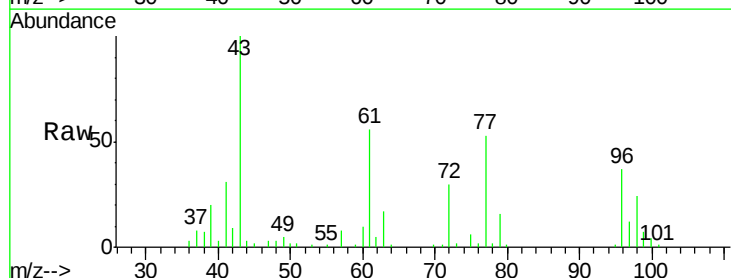
Acq: 3 Feb 2020 18:05

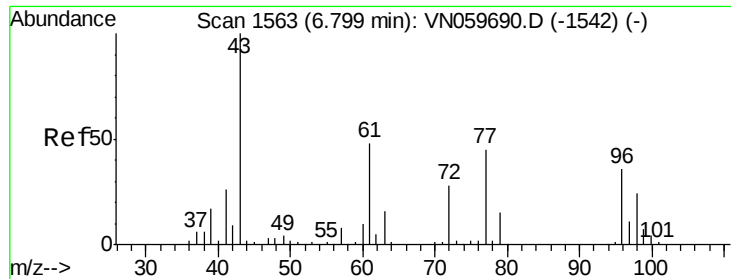
Tgt Ion: 77 Resp: 59673

Ion Ratio Lower Upper

77 100

97 22.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.880 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

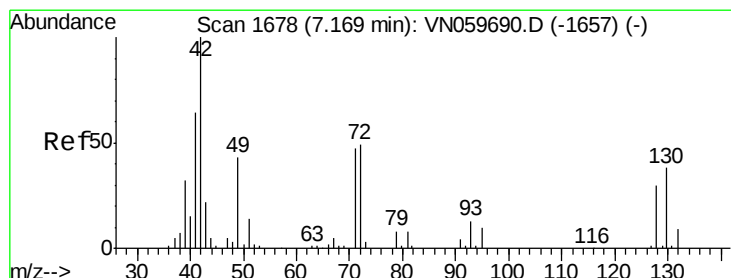
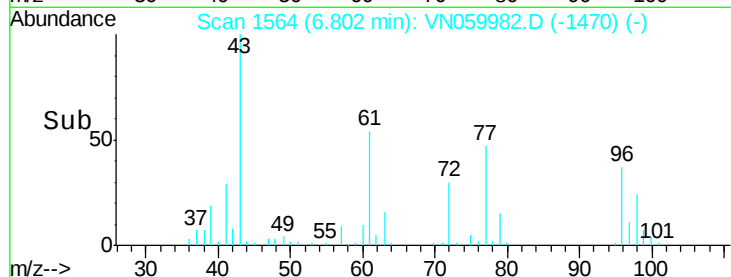
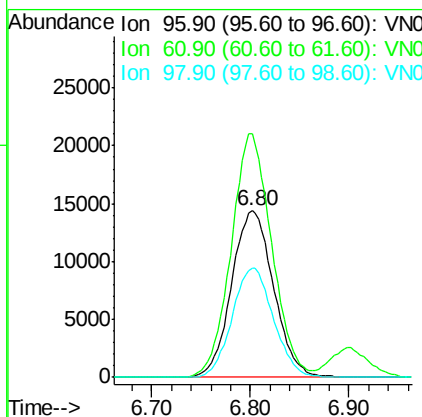
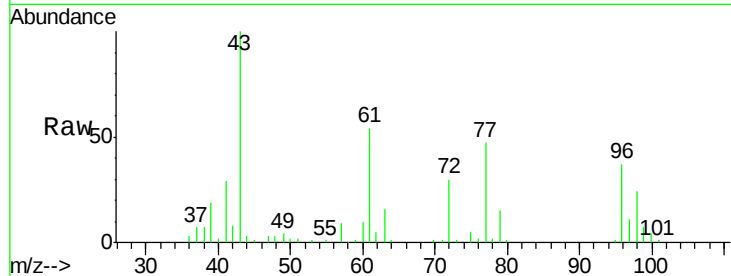
ClientSampleId :

VN0203MBS01

Tot Ion:	96	Resp:	42491
Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	317.6
98	64.5	0.0	127.0

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#28

Bromochloromethane

Concen: 19.725 ug/l

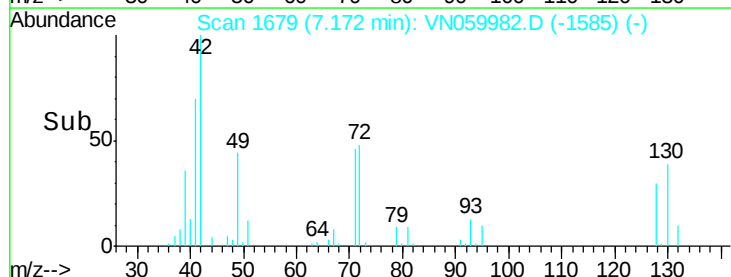
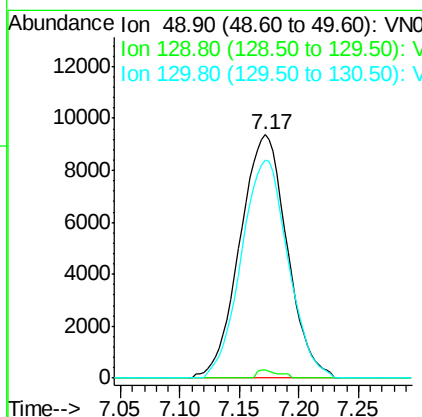
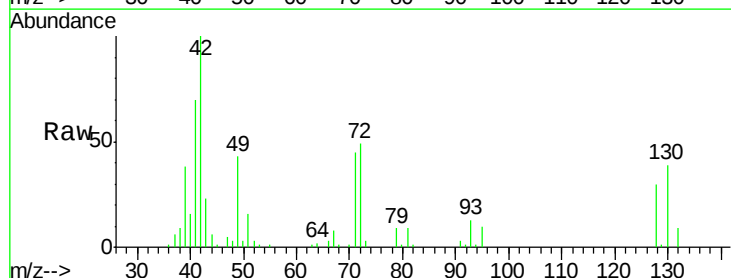
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Tgt Ion:	49	Resp:	25723
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	88.9	54.7	82.1#





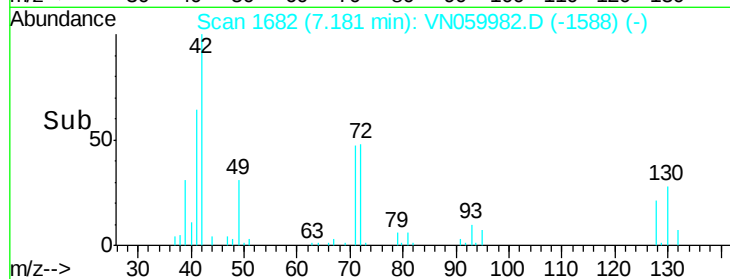
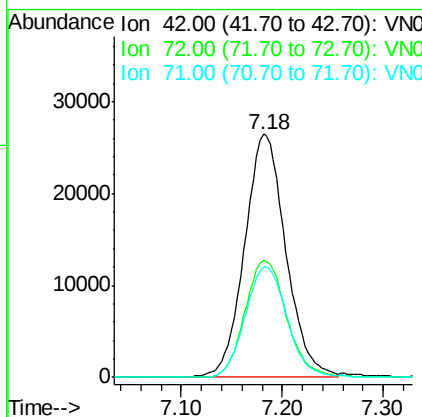
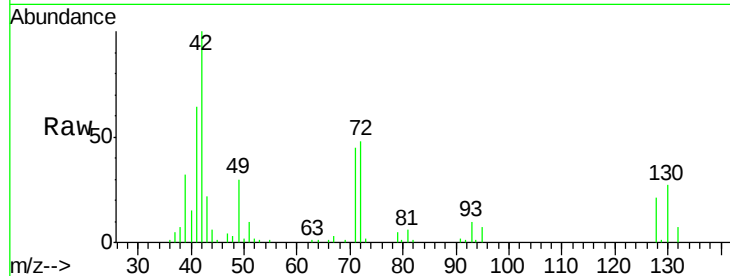
#29
Tetrahydrofuran
Concen: 100.921 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	33.1	49.7
71	45.9	31.4	47.0

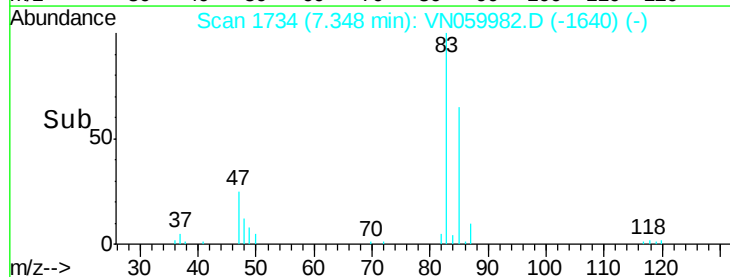
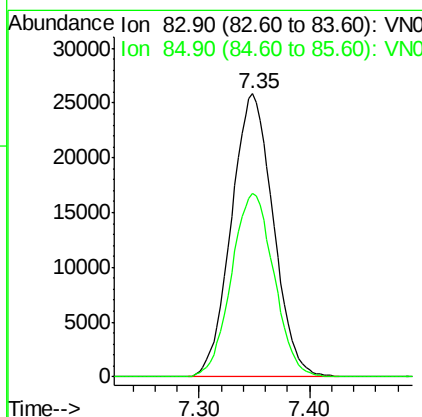
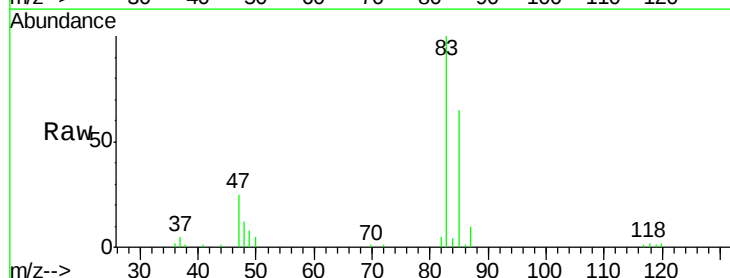
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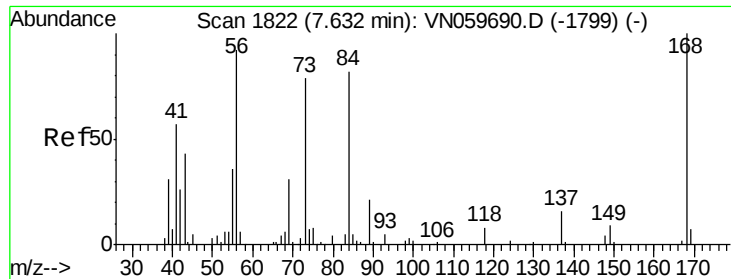
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#30
Chloroform
Concen: 20.091 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





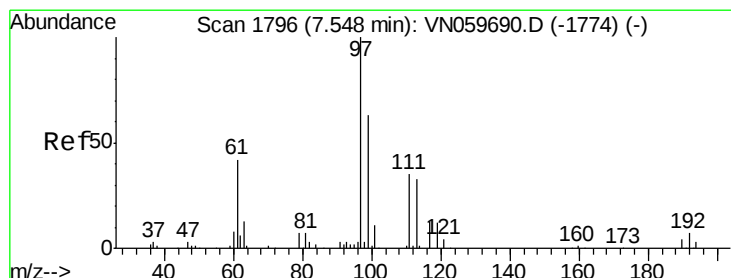
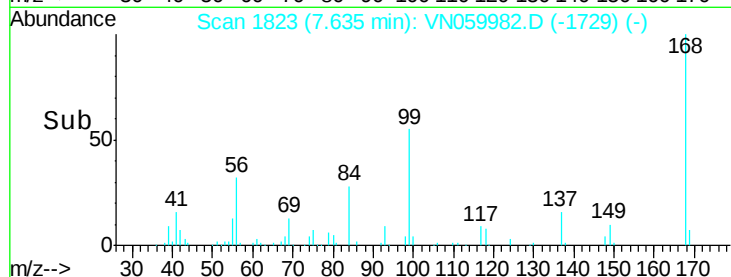
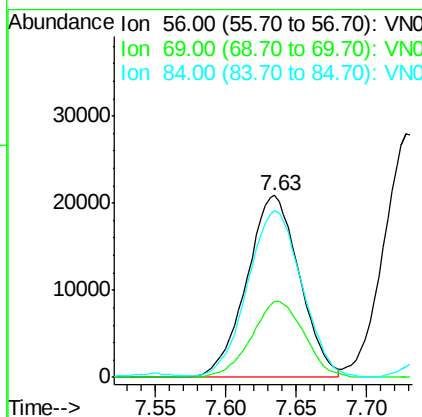
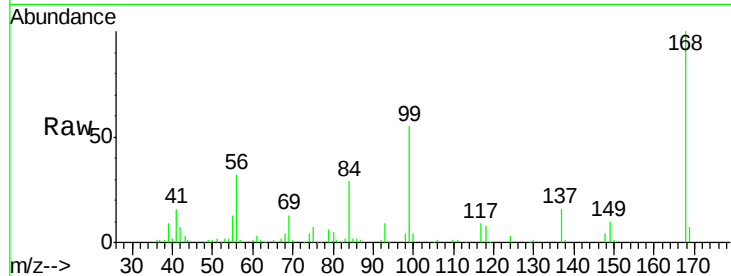
#31
Cyclohexane
Concen: 17.378 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.5	26.5	39.7#
84	90.9	65.3	97.9

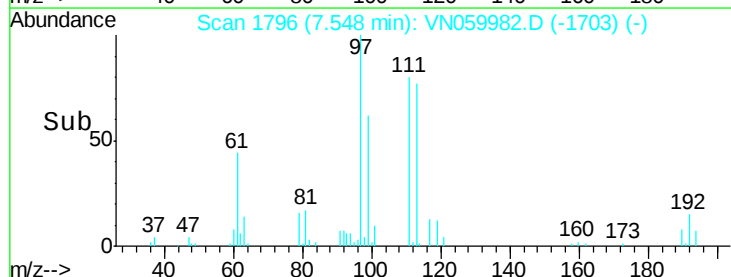
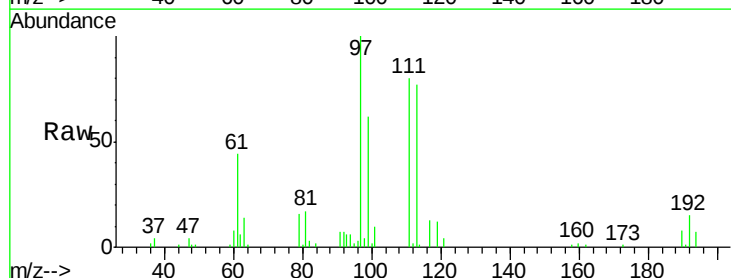
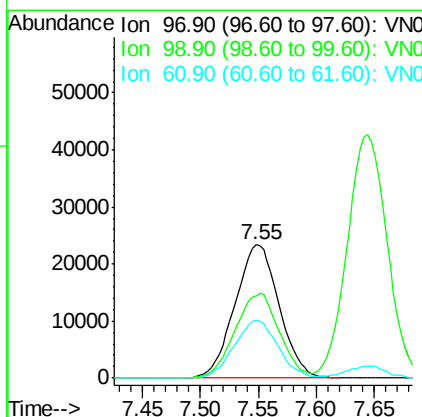
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#32
1,1,1-Trichloroethane
Concen: 19.820 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	42.9	38.5	57.7





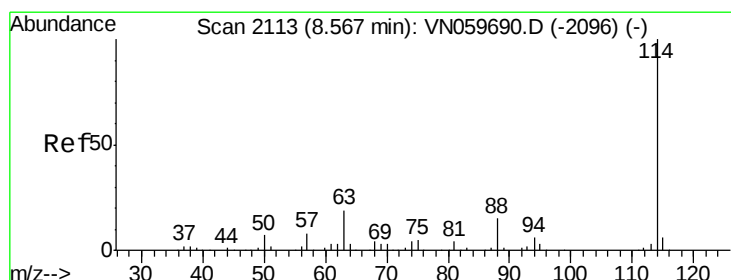
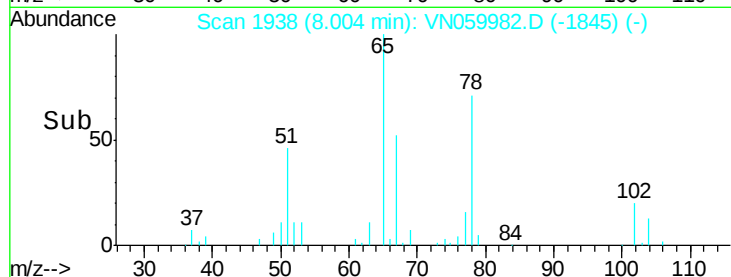
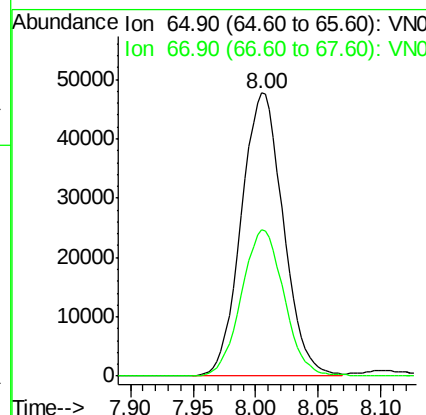
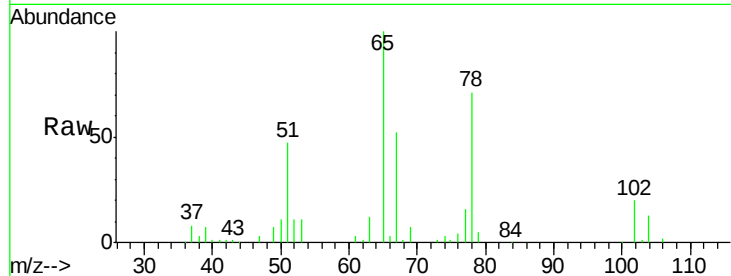
#33
 1,2-Dichloroethane-d4
 Concen: 52.495 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.0	

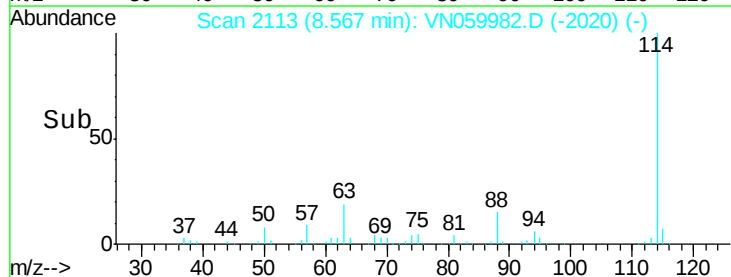
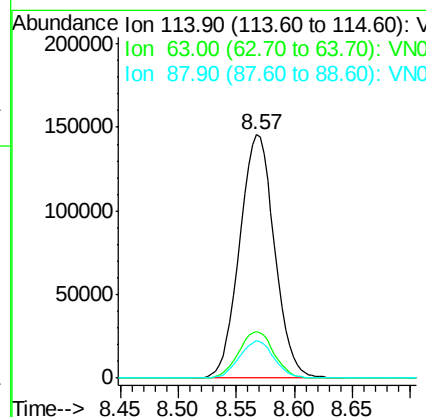
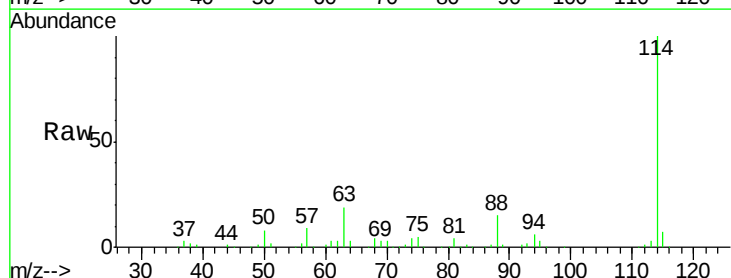
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	43.6	
88	15.2	0.0	31.4	





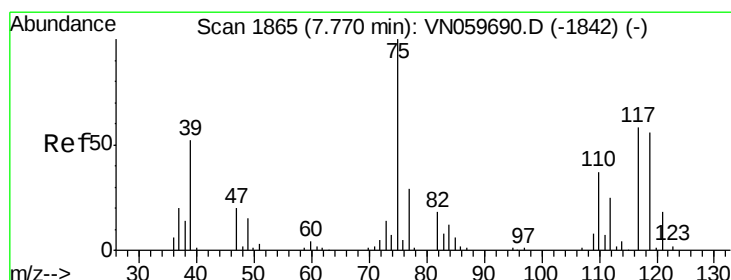
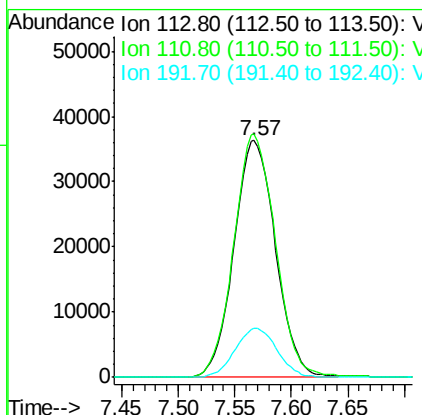
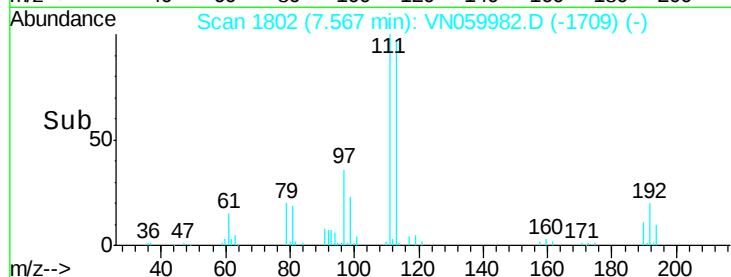
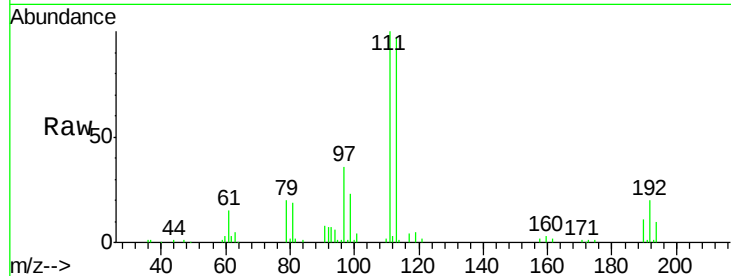
#35
 Dibromofluoromethane
 Concen: 51.239 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	20.8	15.4	23.2

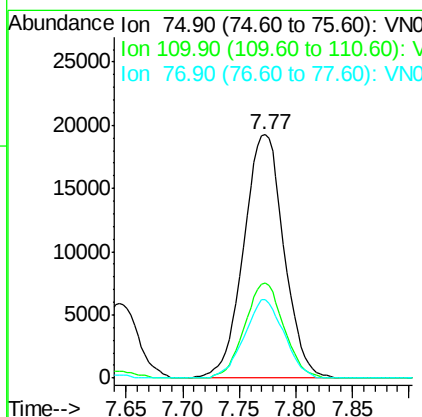
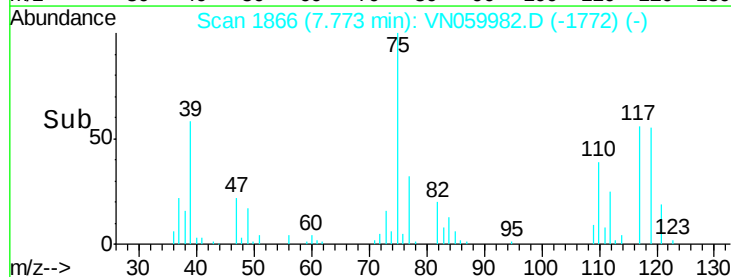
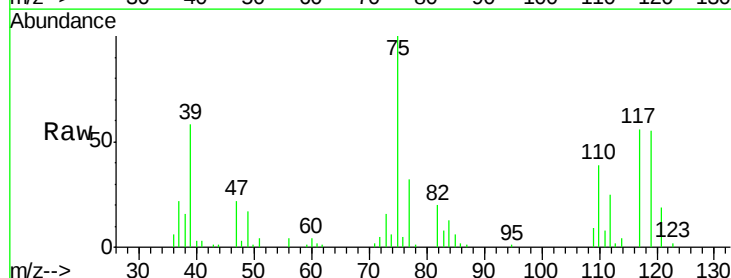
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#36
 1,1-Dichloropropene
 Concen: 18.048 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	16.6	49.7
77	31.5	25.1	37.7





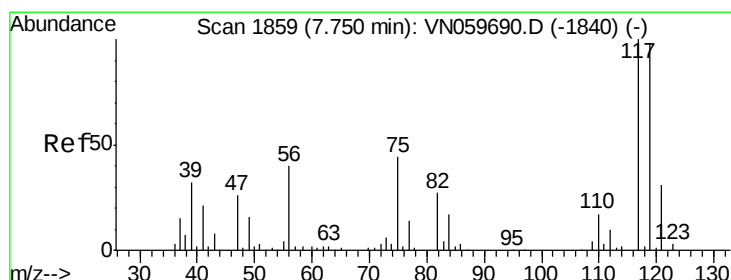
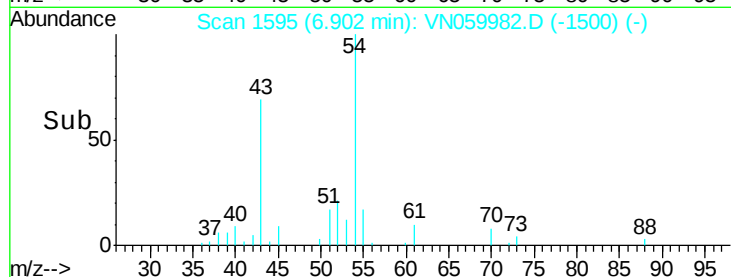
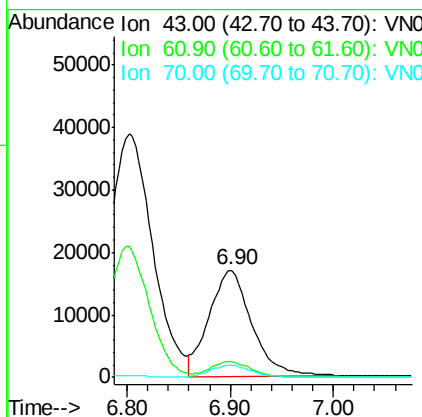
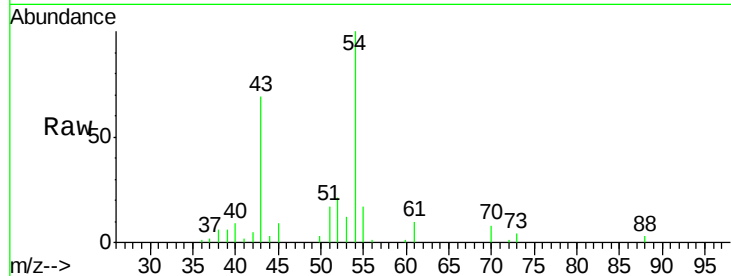
#37
Ethyl Acetate
Concen: 19.525 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.01 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion	43	61	70
Resp	48492	14.3	11.0
Lower		10.9	7.7
Upper		16.3	11.5

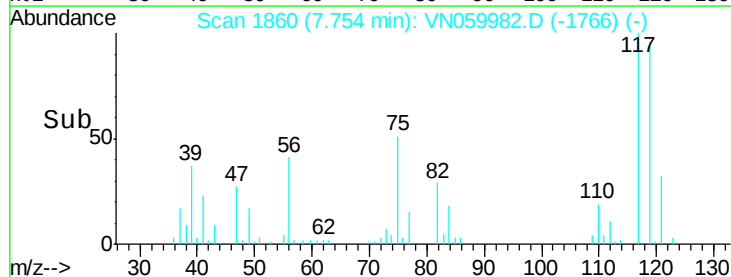
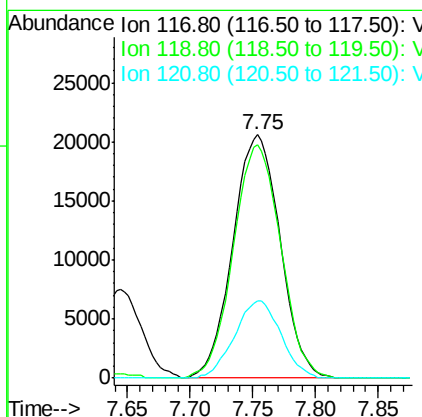
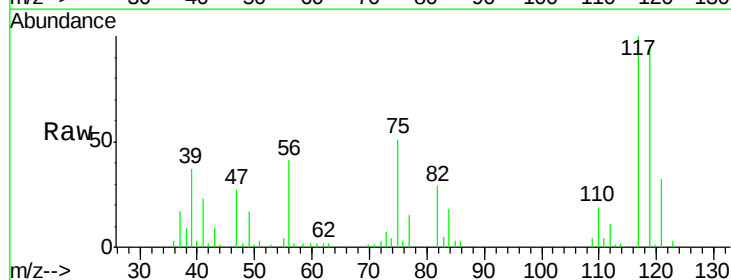
Manual Integrations
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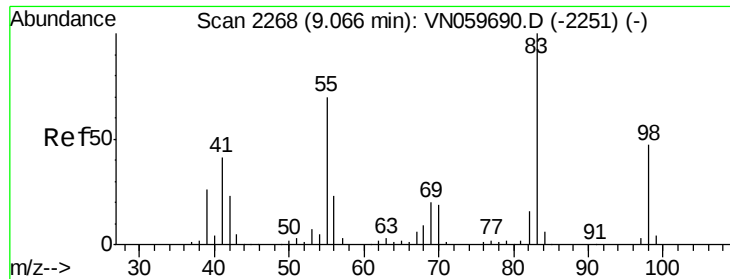
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#38
Carbon Tetrachloride
Concen: 18.733 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	117	119	121
Resp	53961	95.7	31.7
Lower		76.5	25.1
Upper		114.7	37.7





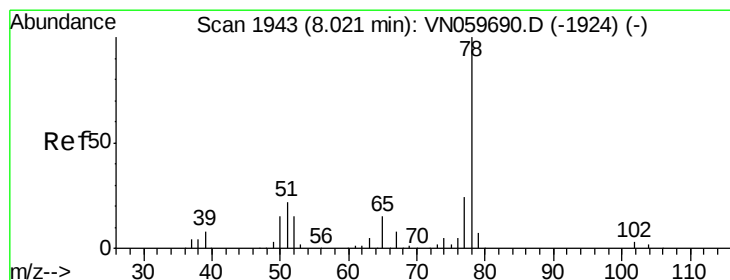
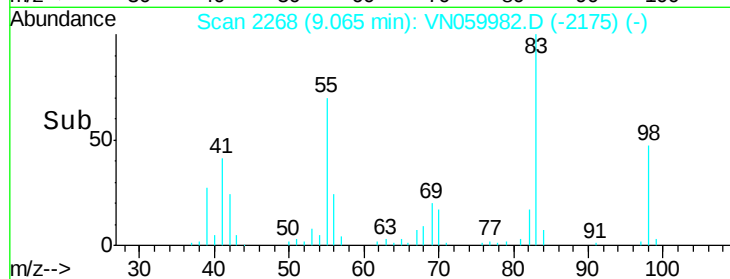
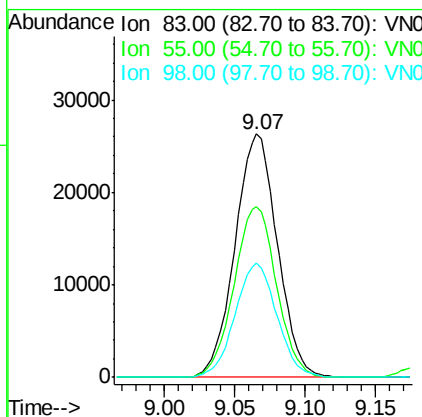
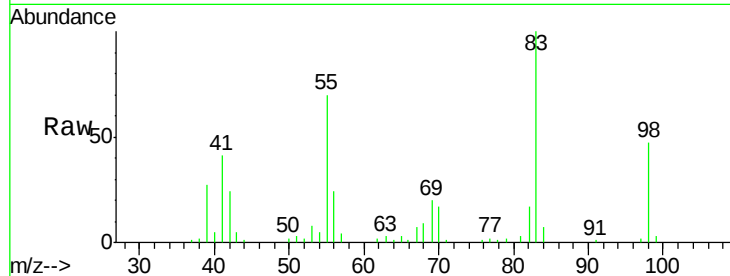
#39
Methvlcvclohexane
Concen: 16.958 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.1	64.2	96.2	
98	46.7	35.9	53.9	

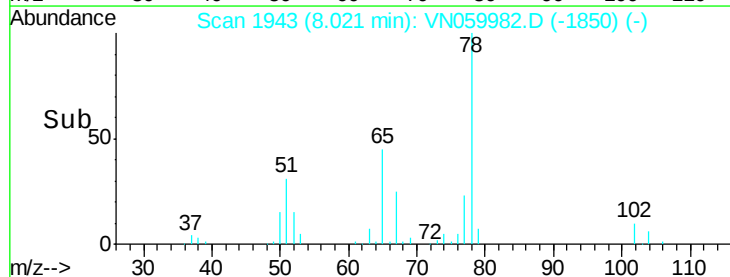
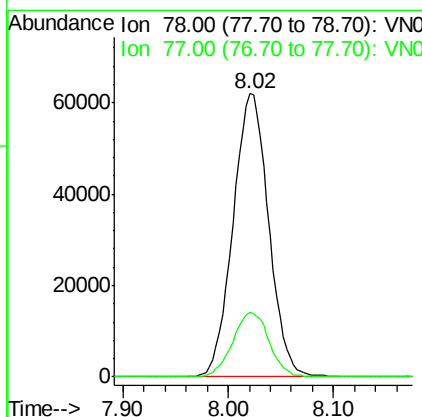
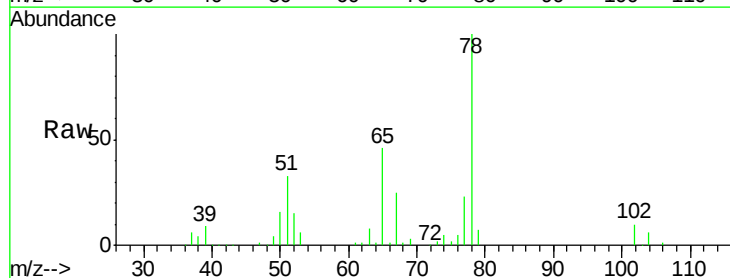
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#40
Benzene
Concen: 18.380 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.6	18.9	28.3	





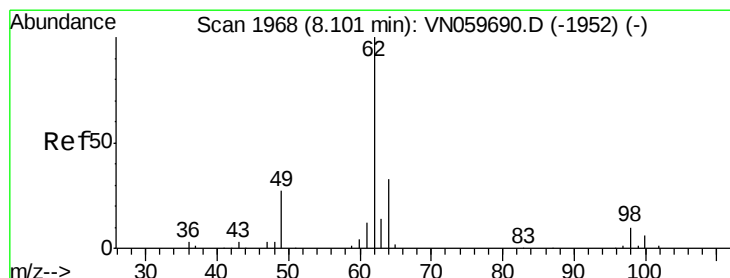
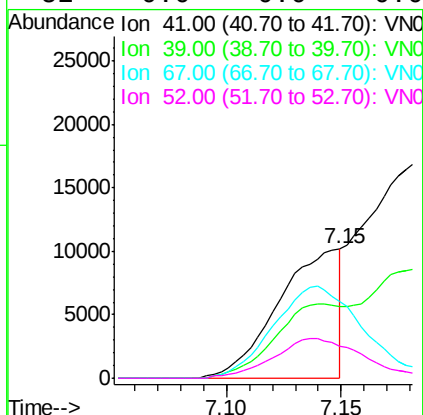
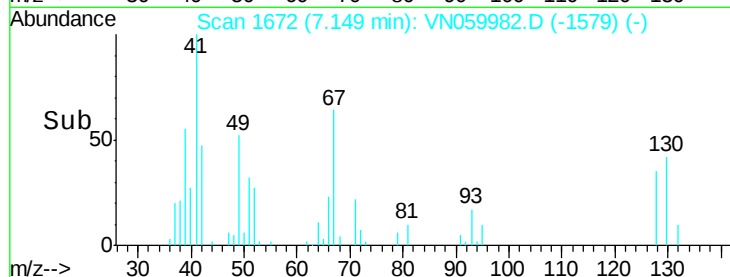
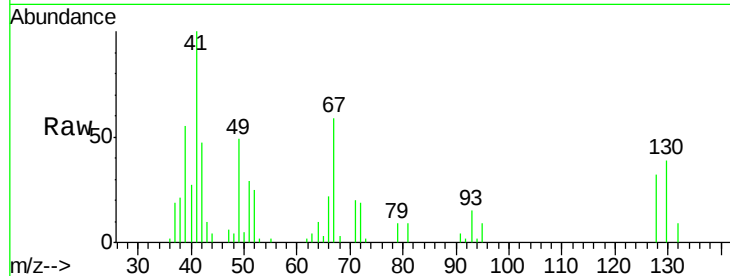
#41
Methacrylonitrile
Concen: 15.642 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	120.3	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

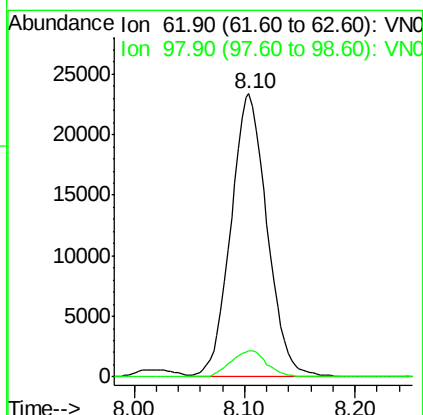
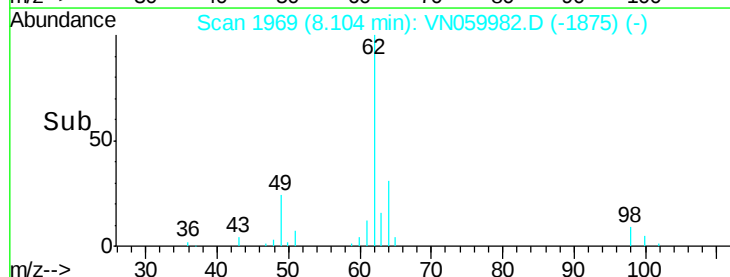
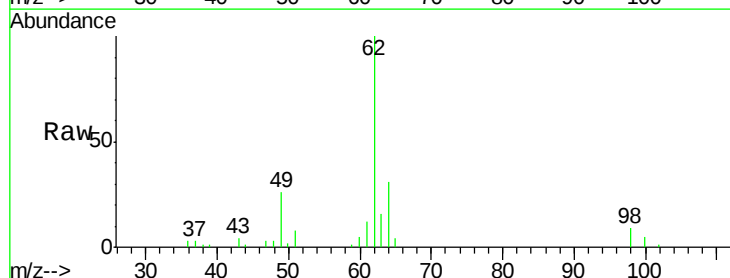
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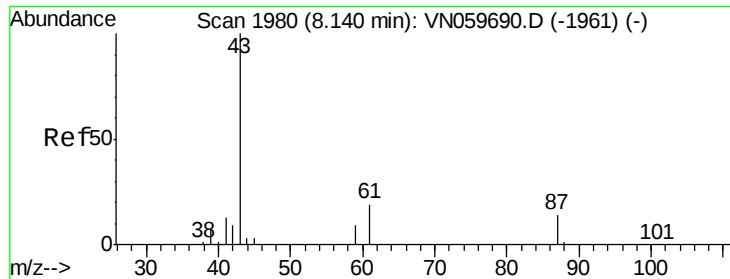
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2/4/2020 11:20:45 AM



#42
1,2-Dichloroethane
Concen: 19.903 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.0	0.0	15.8		





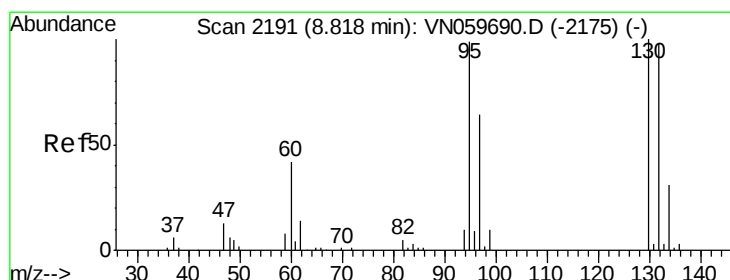
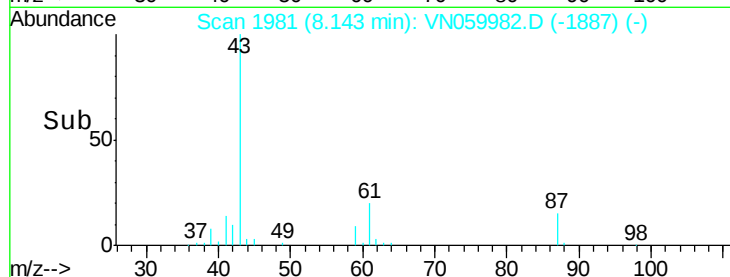
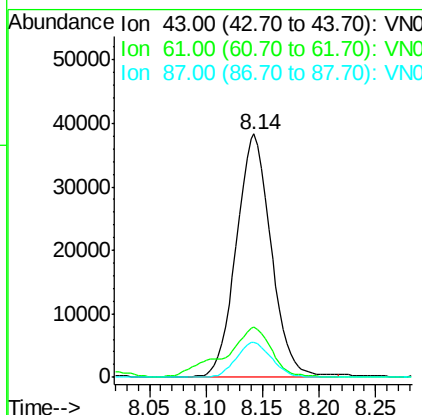
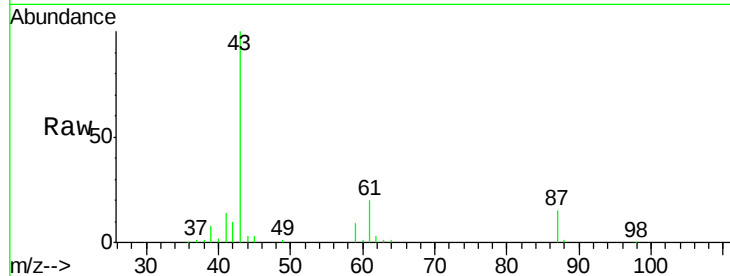
#43
Isopropyl Acetate
Concen: 19.321 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.2	30.2
87	14.5	9.5	14.3

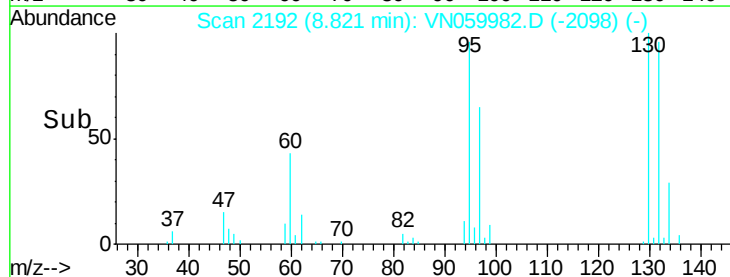
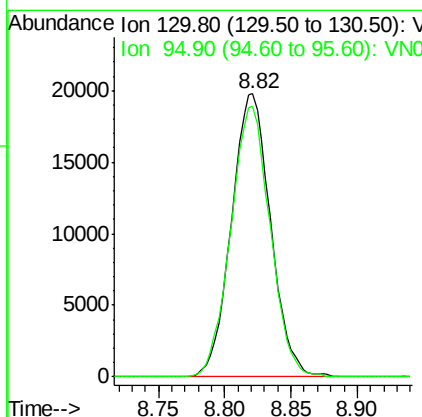
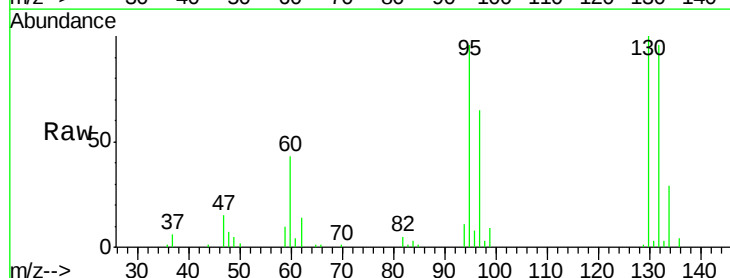
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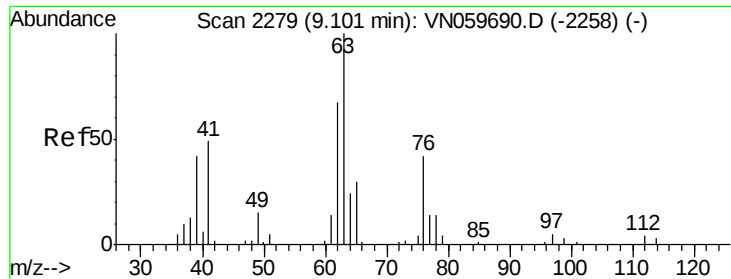
MMDadoda
2/4/2020 11:20:45 AM



#44
Trichloroethene
Concen: 18.839 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	207.0





#45

1,2-Dichloropropane

Concen: 19.070 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

VN0203MBS01

Tot Ion: 63 Resp: 37268

Ion Ratio Lower Upper

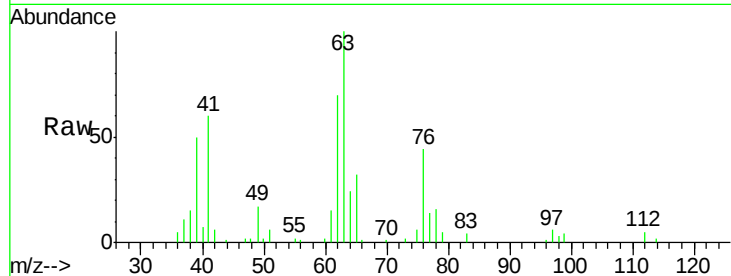
63 100

65 32.2 24.9 37.3

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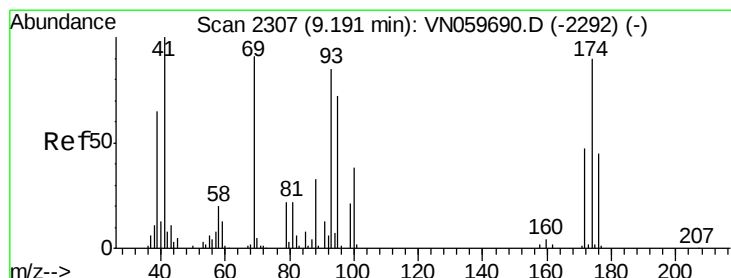
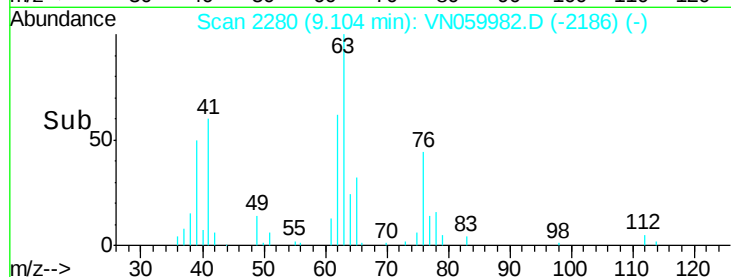
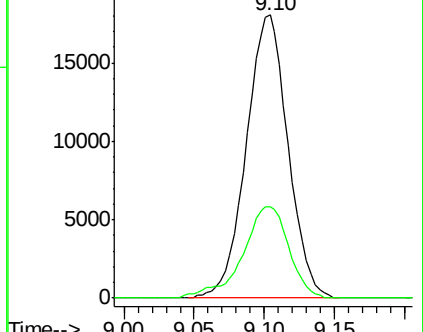
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.183 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

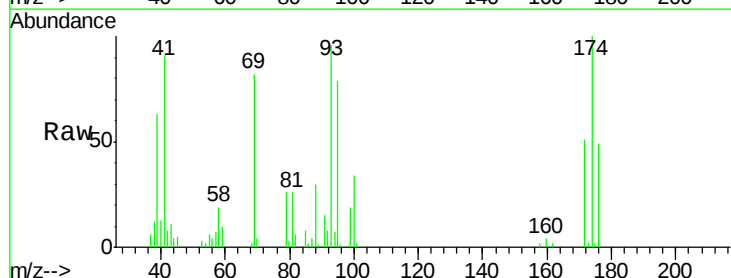
Tgt Ion: 93 Resp: 26444

Ion Ratio Lower Upper

93 100

95 85.4 67.0 100.6

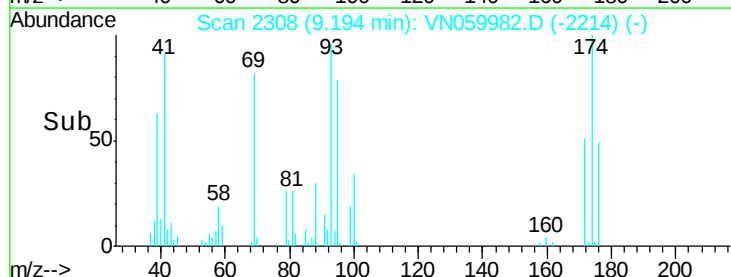
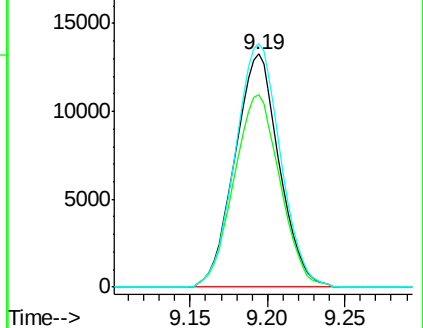
174 106.1 73.4 110.2

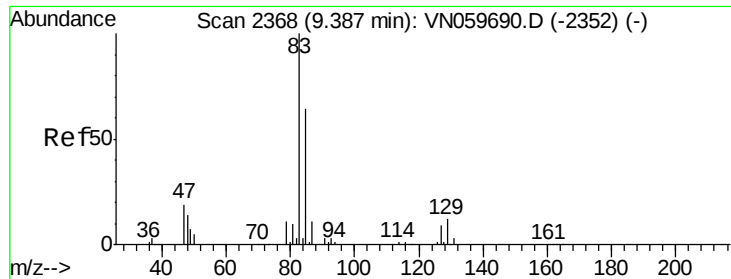


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





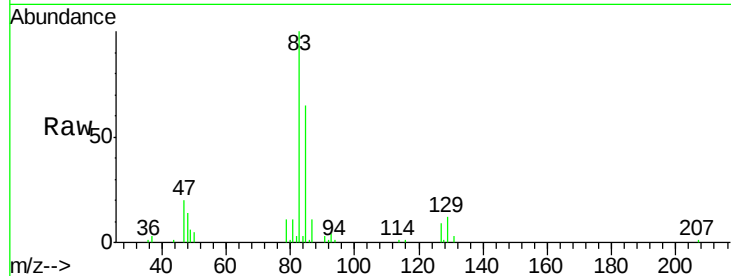
#47
Bromodichloromethane
Concen: 19.422 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

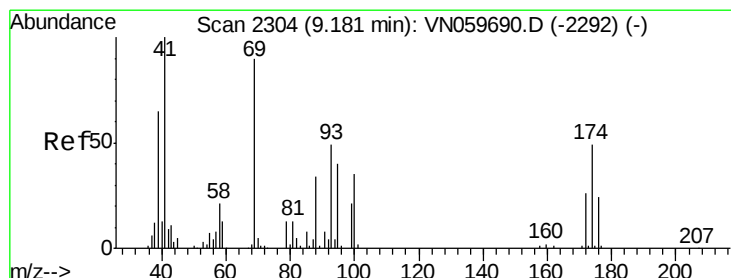
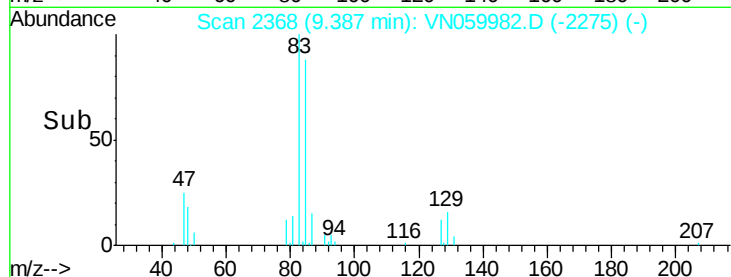
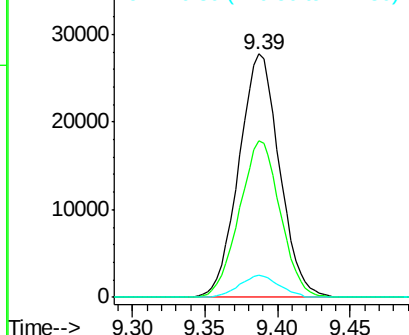
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	9.0	6.6	9.8

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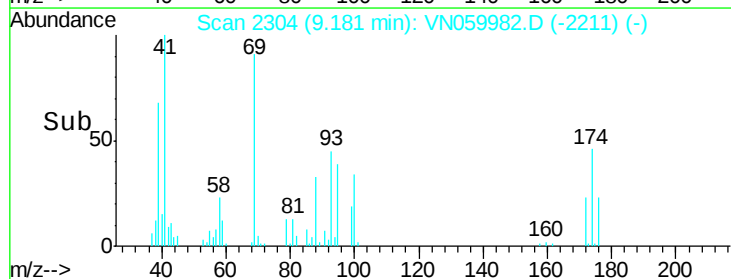
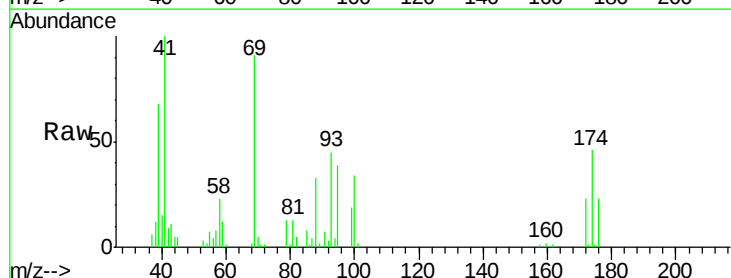
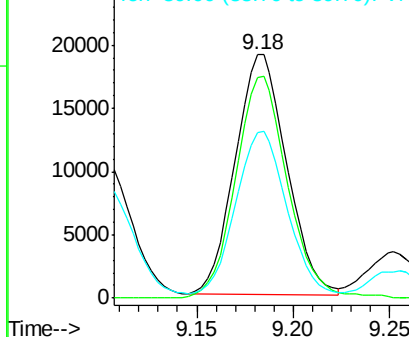
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 18.356 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.5	64.4	96.6
39	67.0	51.3	76.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





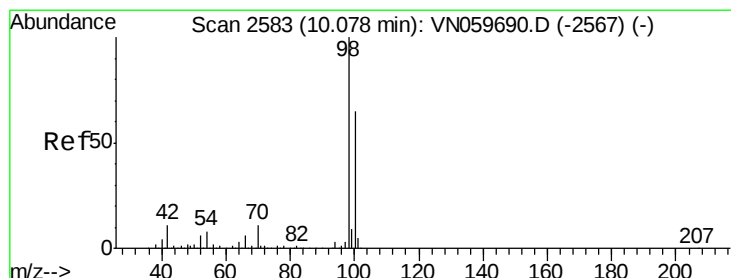
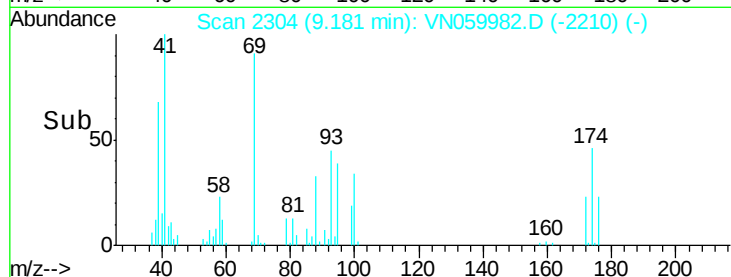
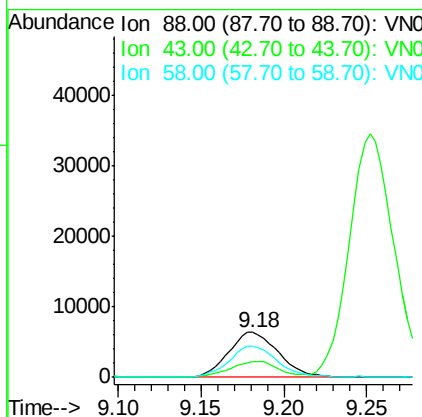
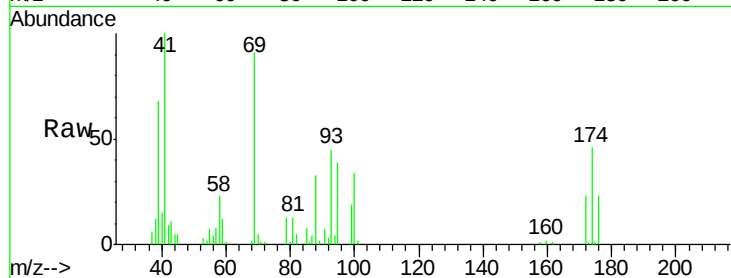
#49
1,4-Dioxane
Concen: 380.582 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	88	Resp	13313
Ion	Ratio	Lower	Upper
88	100		
43	34.7	29.7	44.5
58	67.5	56.6	85.0

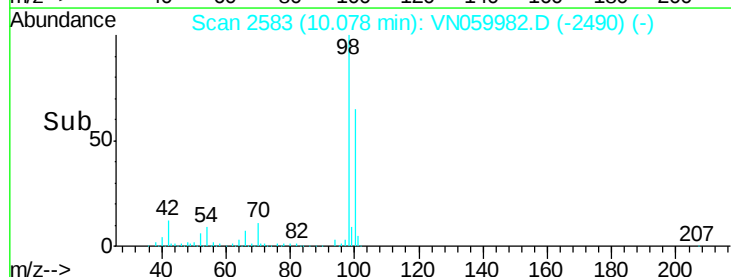
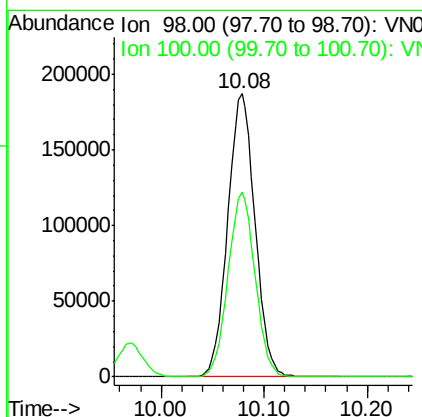
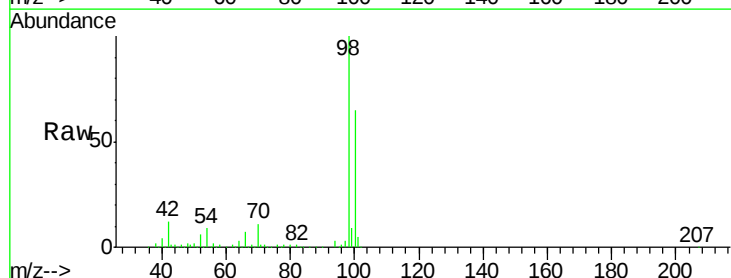
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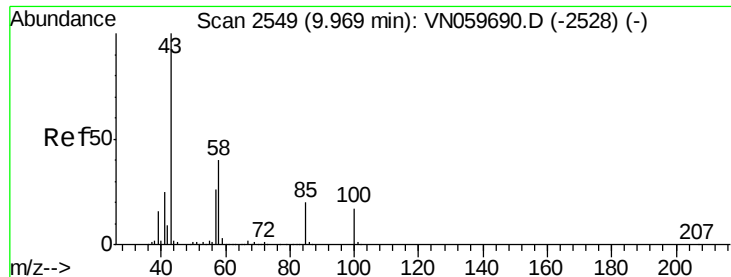
MMDadoda
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#50
Toluene-d8
Concen: 49.099 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	98	Resp	344964
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.719 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 43 Resp: 246257

Ion Ratio Lower Upper

43 100

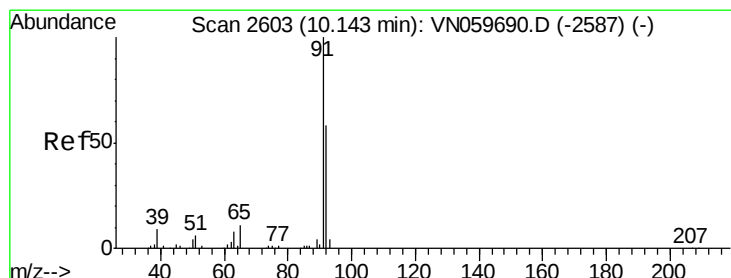
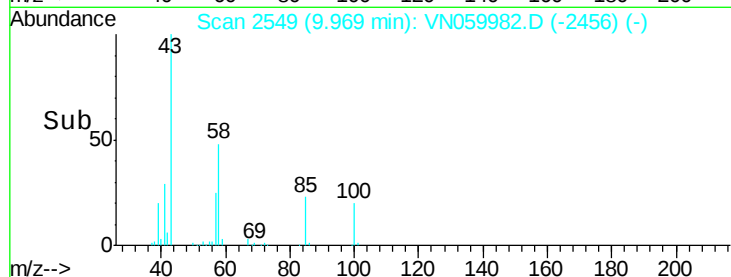
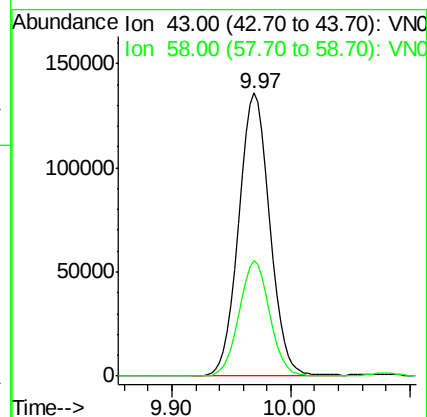
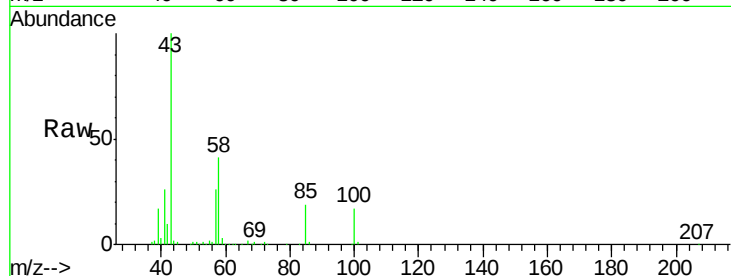
58 40.0 29.8 44.8

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#52

Toluene

Concen: 18.597 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059982.D

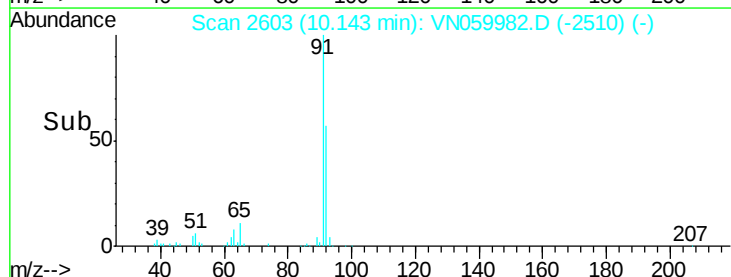
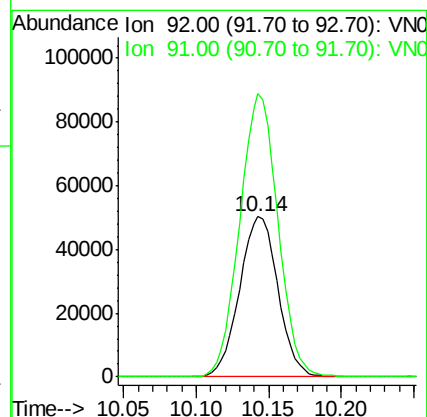
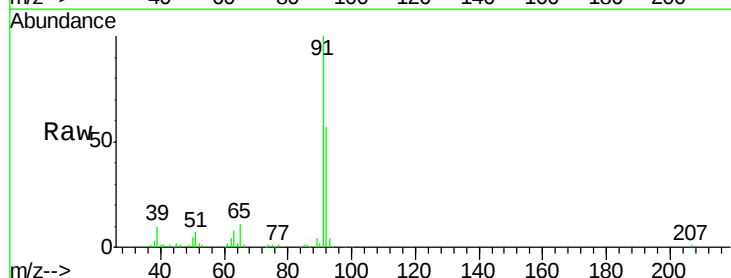
Acq: 3 Feb 2020 18:05

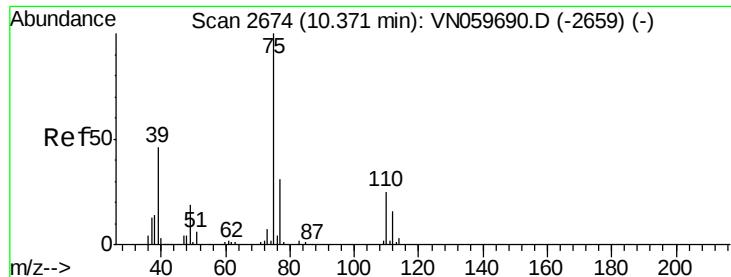
Tgt Ion: 92 Resp: 92769

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6





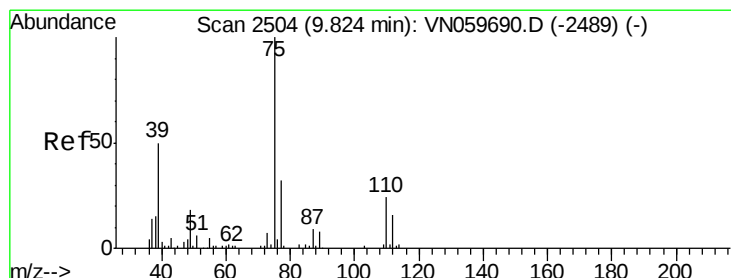
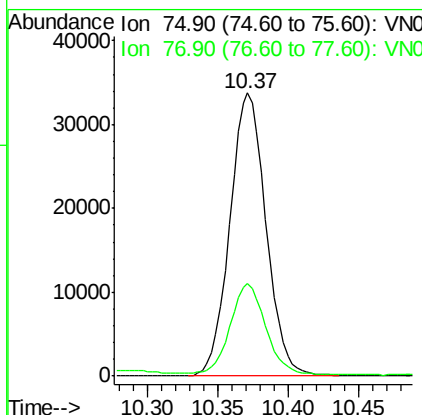
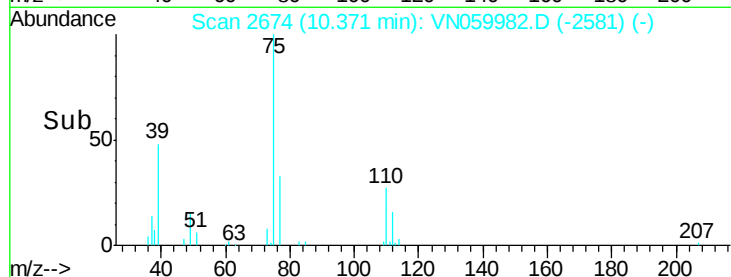
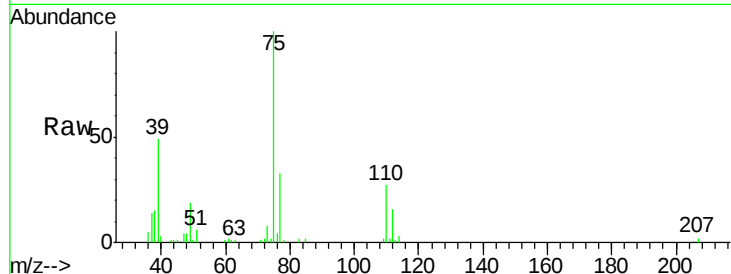
#53
t-1,3-Dichloropropene
Concen: 19.498 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion: 75 Resp: 60478
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

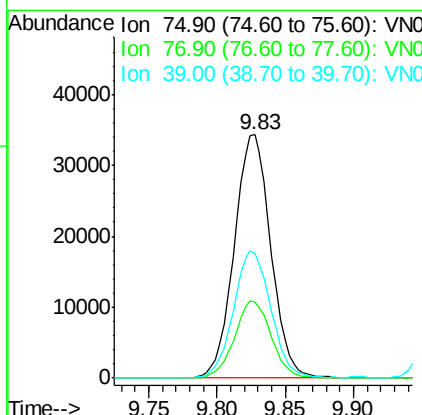
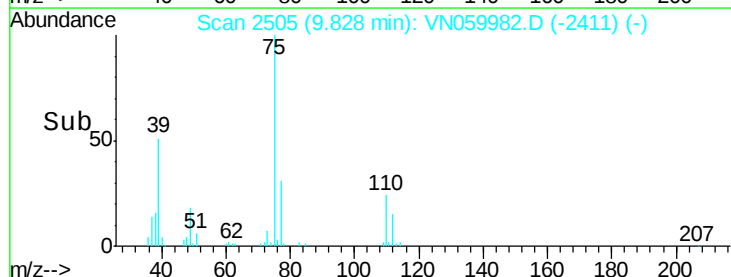
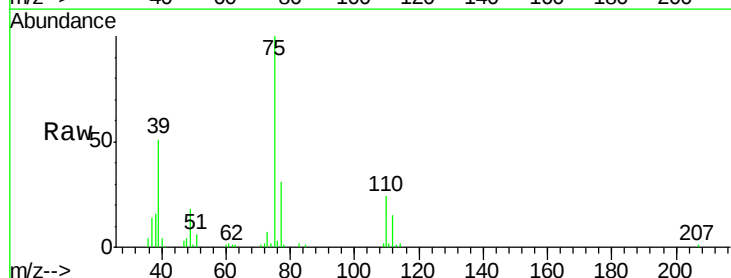
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#54
cis-1,3-Dichloropropene
Concen: 19.502 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion: 75 Resp: 63650
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 51.1 46.1 69.1





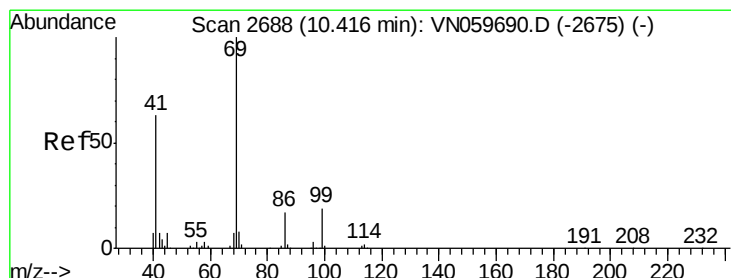
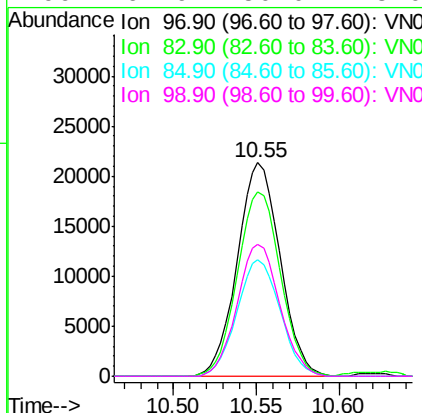
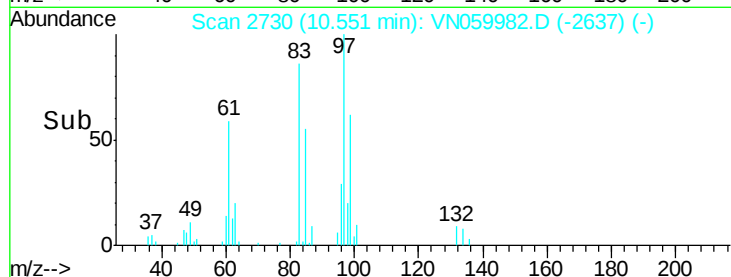
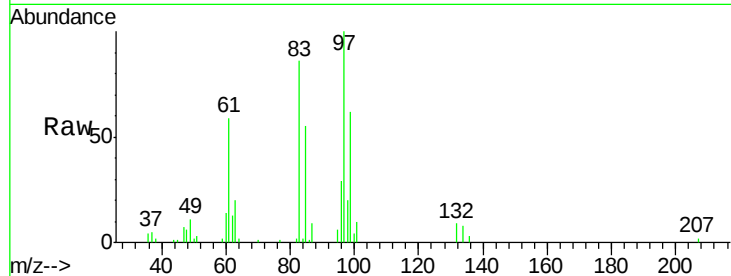
#55
 1,1,2-Trichloroethane
 Concen: 19.438 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion:	97	Resp:	38404
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.3	106.9
85	54.7	45.8	68.8
99	61.9	50.0	75.0

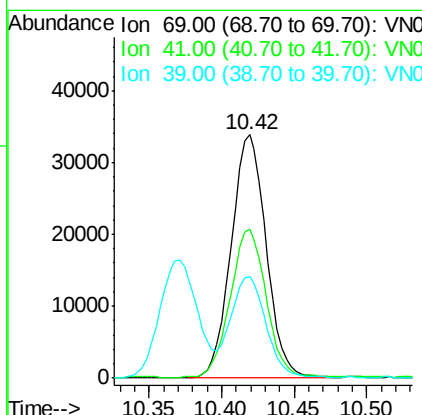
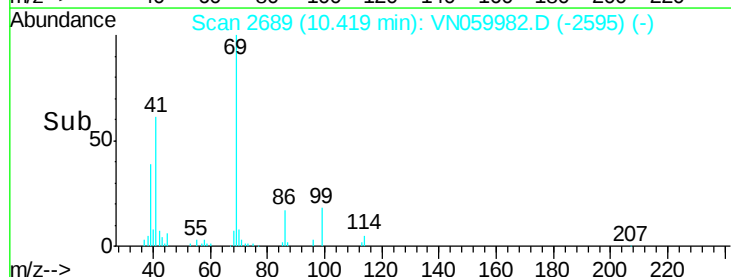
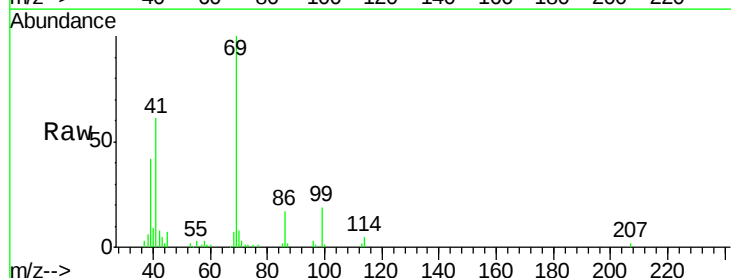
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#56
 Ethyl methacrylate
 Concen: 18.800 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion:	69	Resp:	56756
Ion	Ratio	Lower	Upper
69	100		
41	63.4	57.1	85.7
39	42.1	34.7	52.1





#57

1,3-Dichloropropane

Concen: 20.144 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 76 Resp: 63184

Ion Ratio Lower Upper

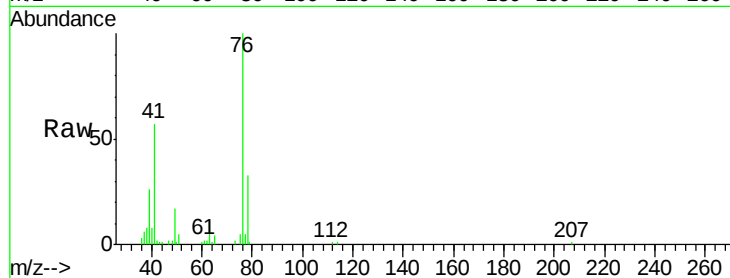
76 100

78 33.1 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

40000

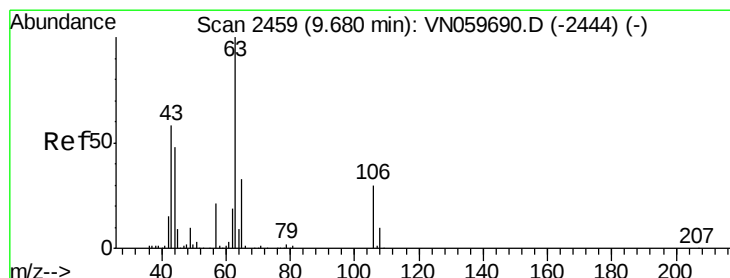
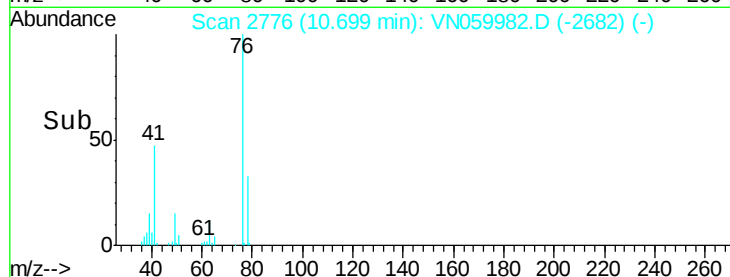
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.515 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059982.D

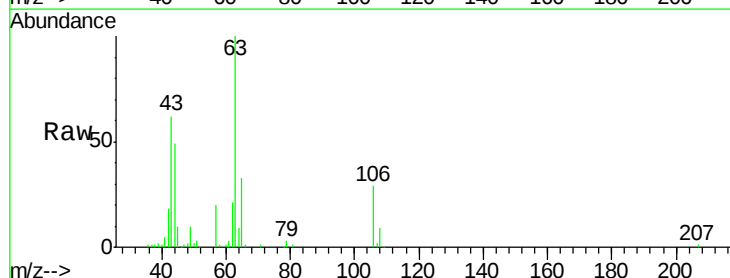
Acq: 3 Feb 2020 18:05

Tgt Ion: 63 Resp: 95035

Ion Ratio Lower Upper

63 100

106 28.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

60000

50000

40000

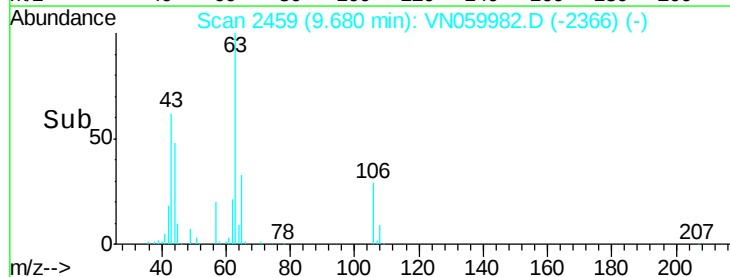
30000

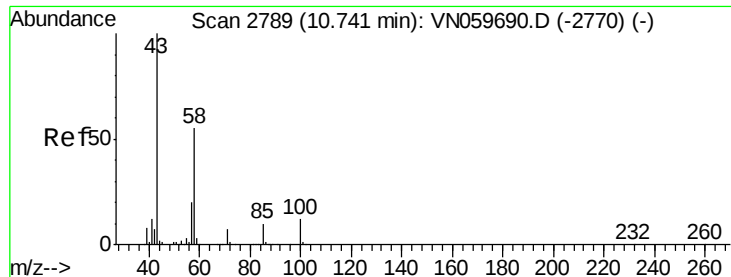
20000

10000

0

Time-->





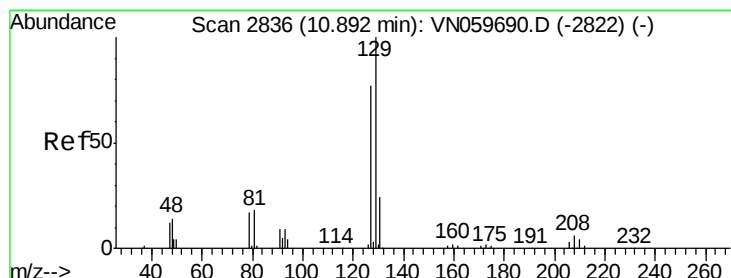
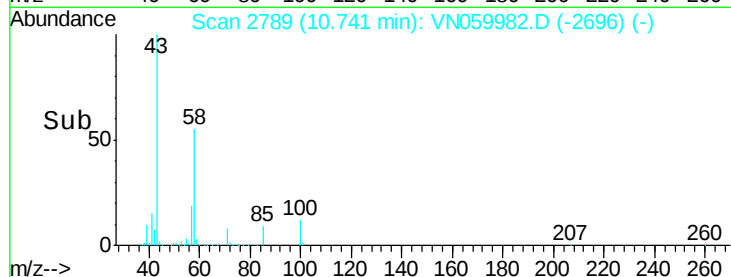
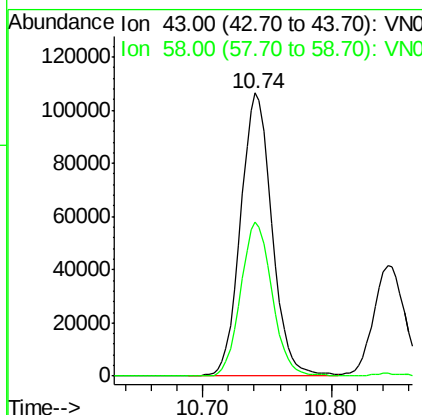
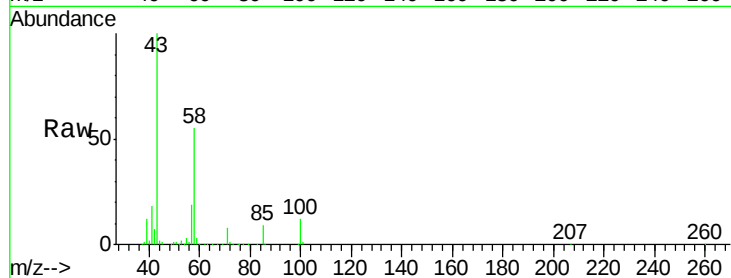
#59
2-Hexanone
Concen: 98.464 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	43	Resp	179135
Ion Ratio	43	100	
Lower	58	54.9	25.8
Upper			77.3

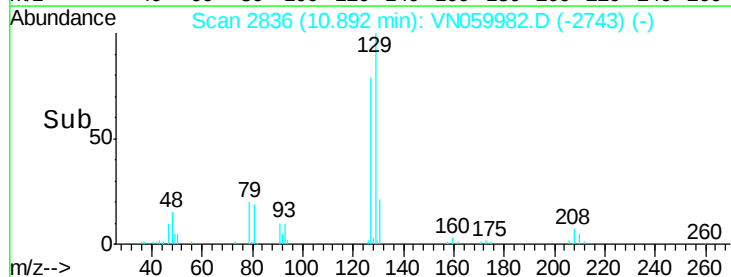
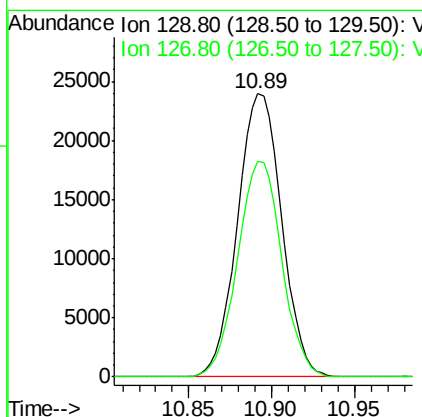
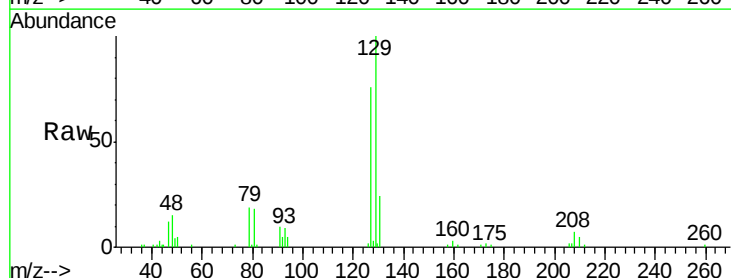
Manual Integrations
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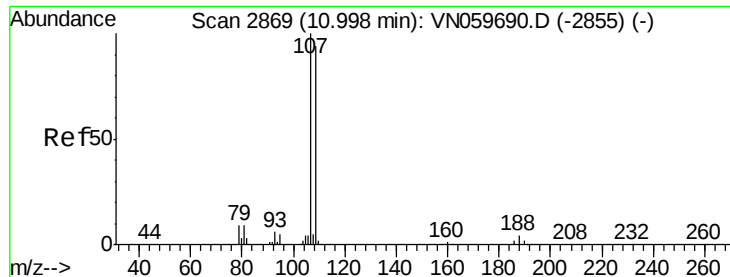
MMDadoda
2/4/2020 11:20:45 AM



#60
Dibromochloromethane
Concen: 19.746 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	129	Resp	44426
Ion Ratio	129	100	
Lower	127	75.9	38.5
Upper			115.5





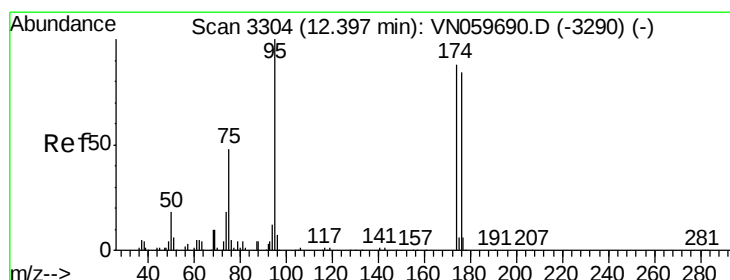
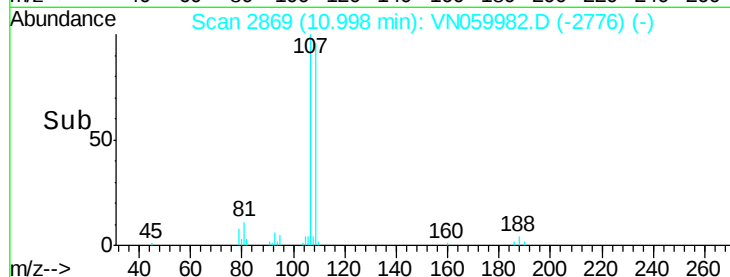
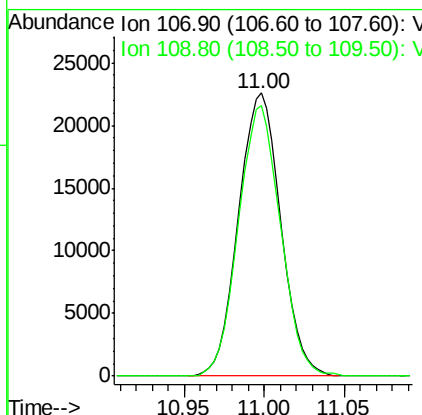
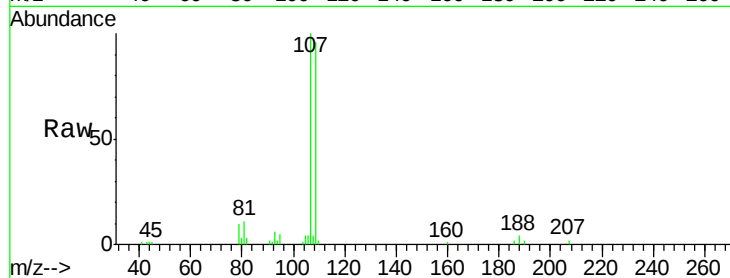
#61
 1,2-Dibromoethane
 Concen: 19.676 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.6	115.0

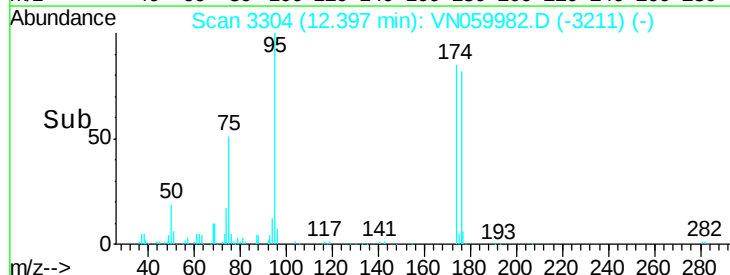
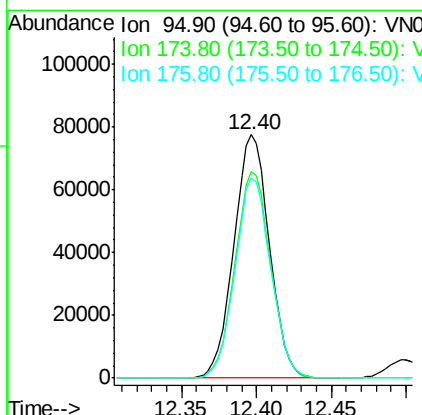
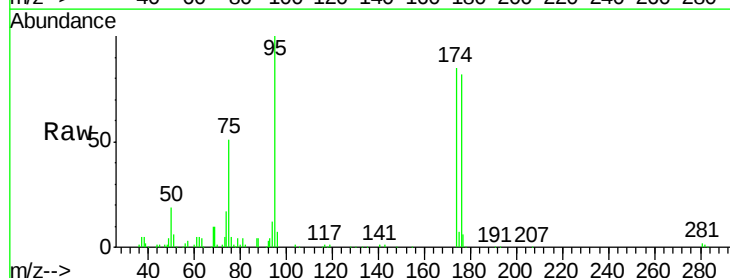
Manual Integrations
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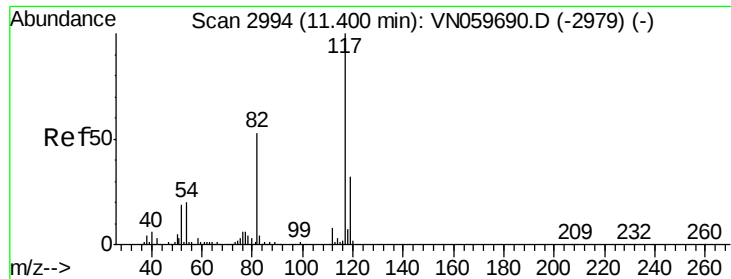
MMDadoda
 2/4/2020 11:20:45 AM



#62
 4-Bromofluorobenzene
 Concen: 50.676 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	151.4
176	82.5	0.0	146.0





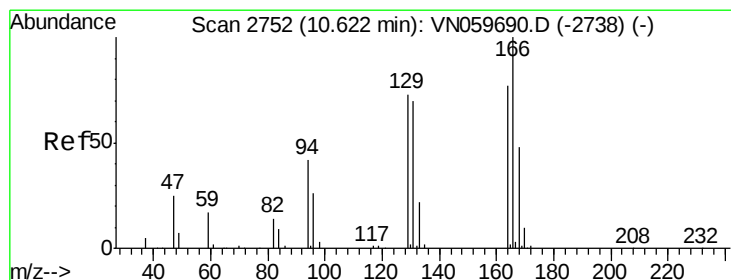
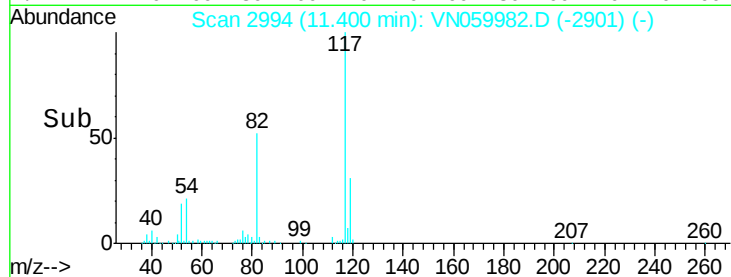
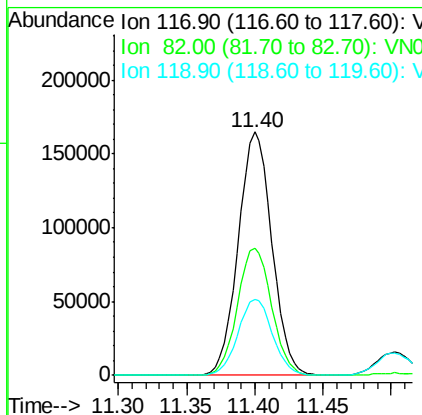
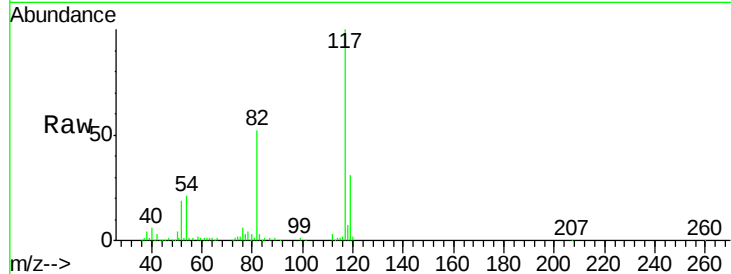
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282432		
82	52.2		45.9	68.9
119	31.4		25.5	38.3

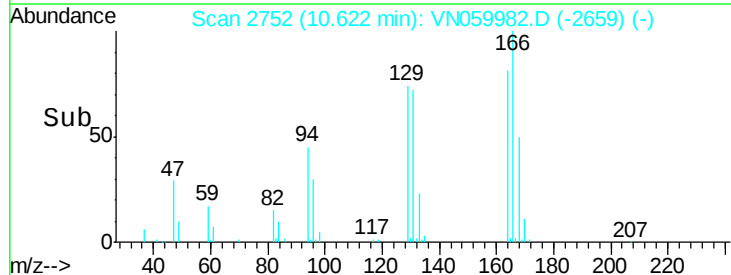
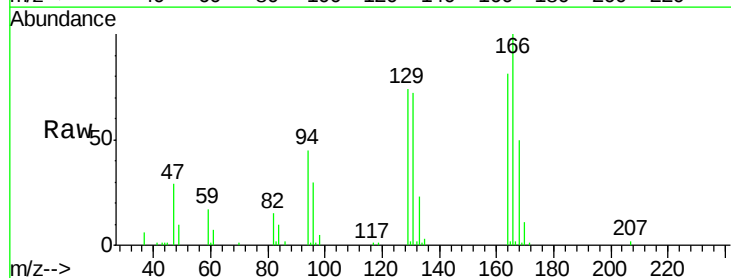
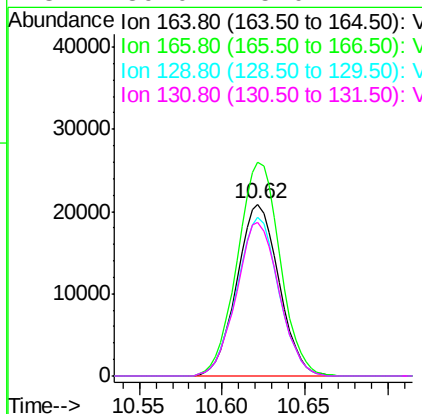
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#64
Tetrachloroethene
Concen: 16.008 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36849		
166	124.1		101.4	152.0
129	92.0		80.2	120.4
131	89.0		75.0	112.4





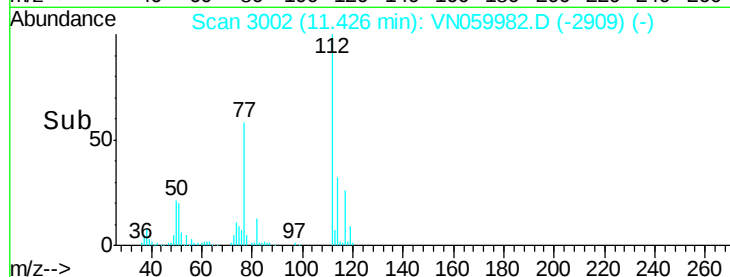
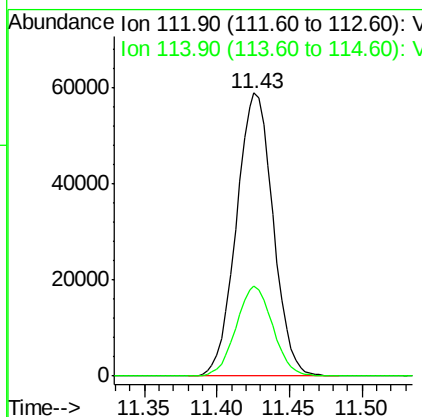
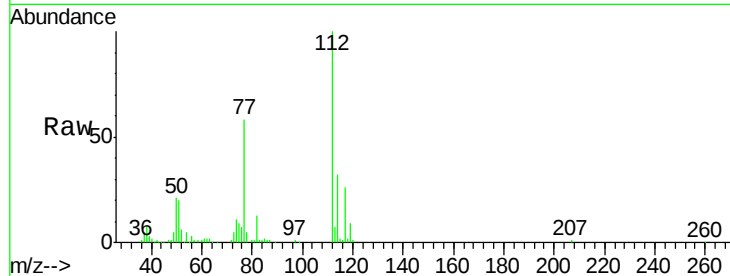
#65
Chlorobenzene
Concen: 18.646 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion:112 Resp: 103512
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

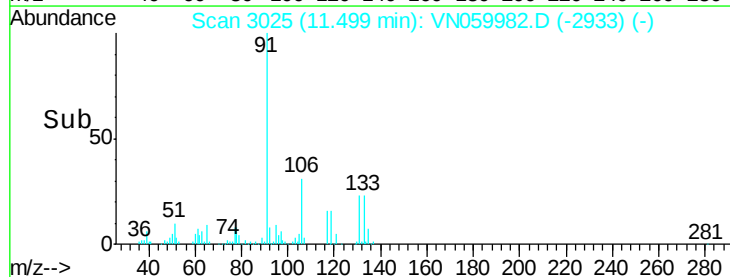
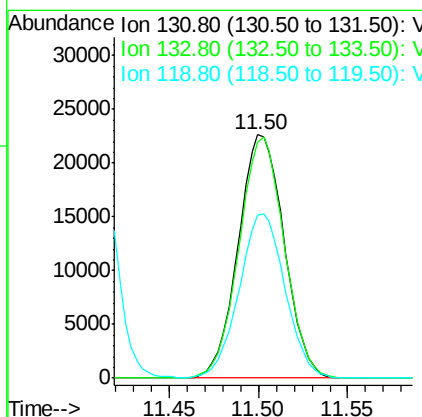
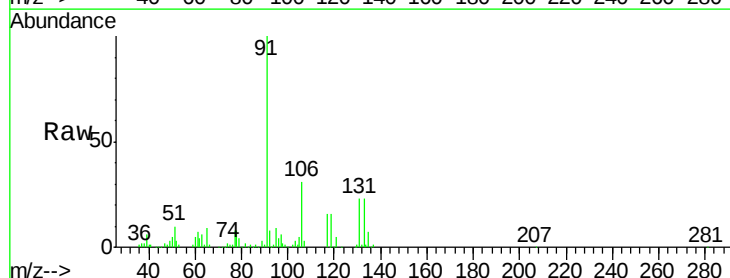
Manual Integrations
APPROVED

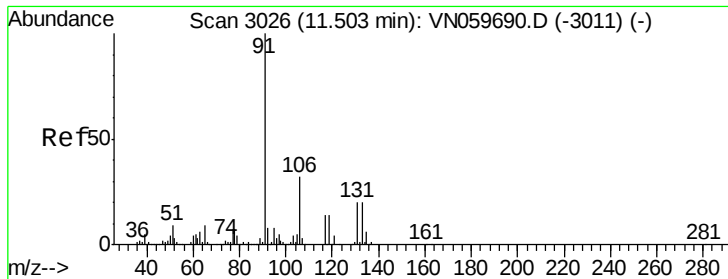
MMDadoda
2/4/2020 11:20:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.959 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion:131 Resp: 40668
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.2
119 67.6 33.1 99.3





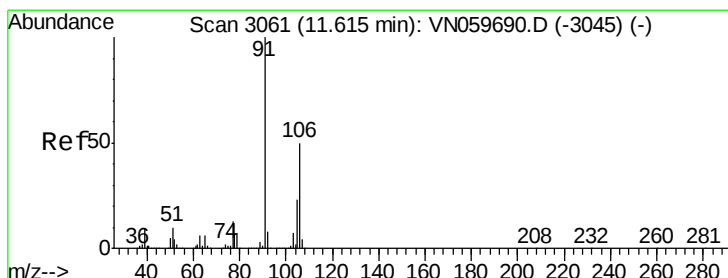
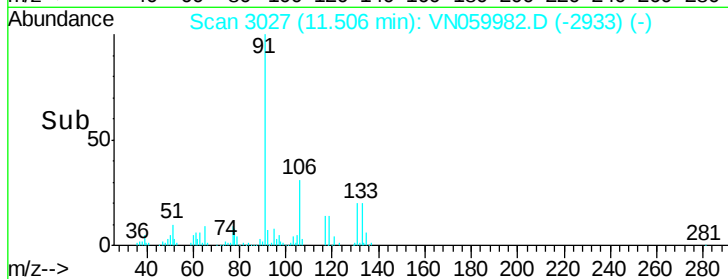
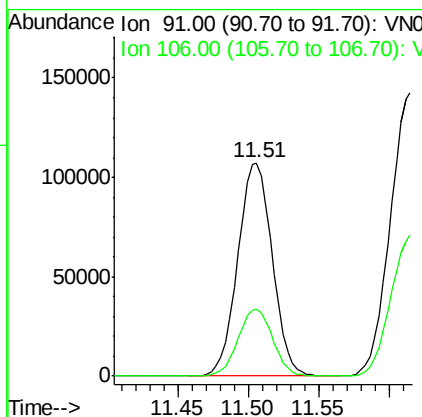
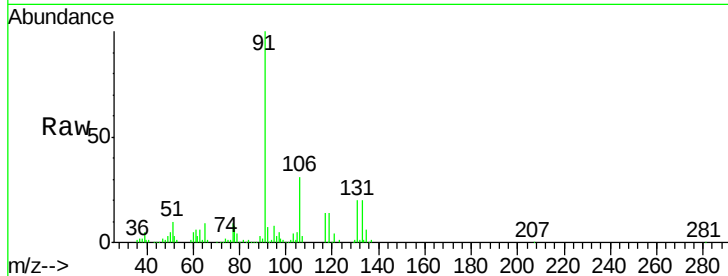
#67
Ethyl Benzene
Concen: 18.284 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion: 91 Resp: 184253
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1

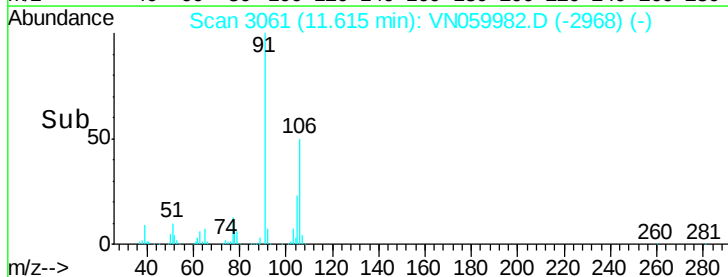
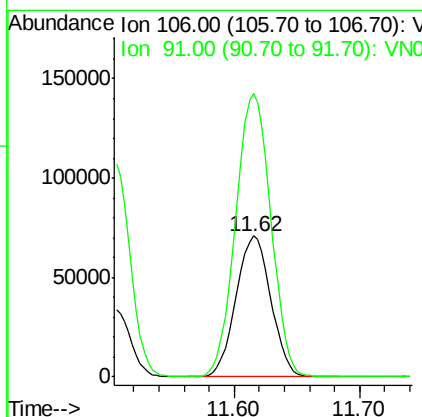
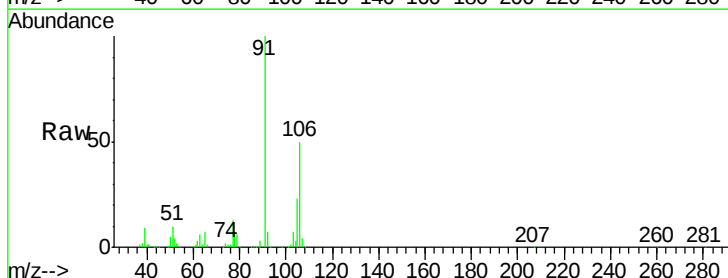
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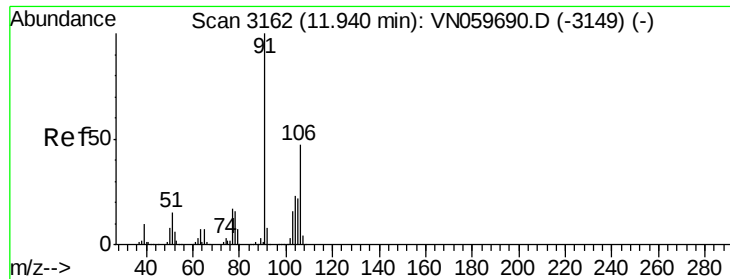
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#68
m/p-Xylenes
Concen: 36.113 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion: 106 Resp: 137468
Ion Ratio Lower Upper
106 100
91 202.2 167.9 251.9





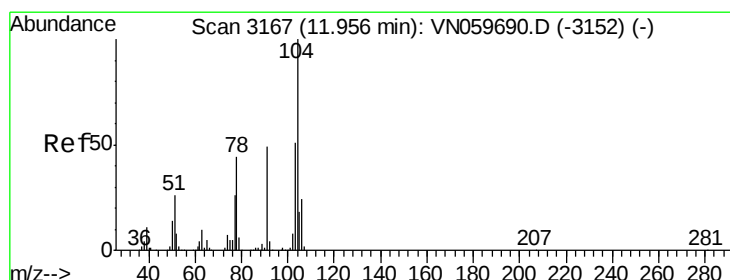
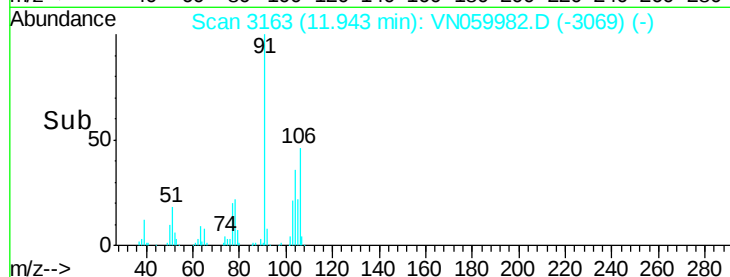
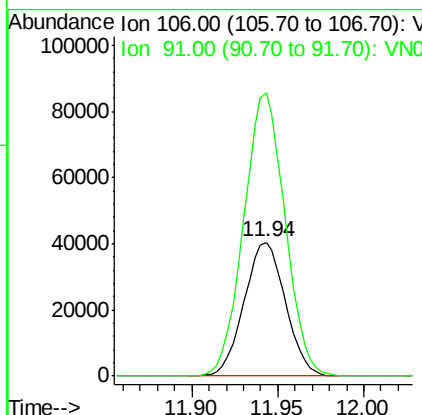
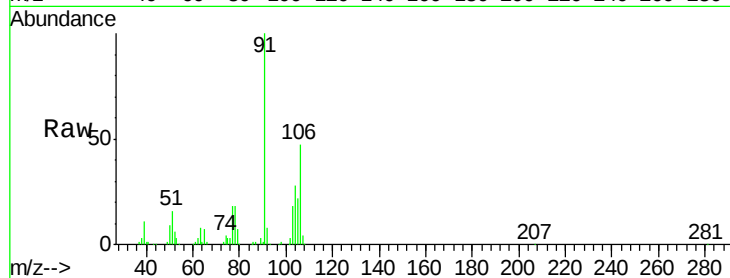
#69
o-Xylene
Concen: 18.066 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleID :
VN0203MBS01

Tot Ion:106 Resp: 67327
Ion Ratio Lower Upper
106 100
91 211.8 110.3 330.9

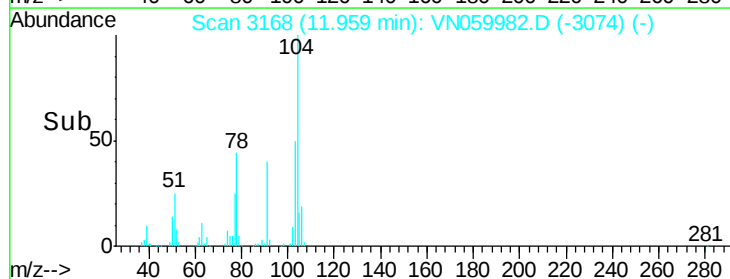
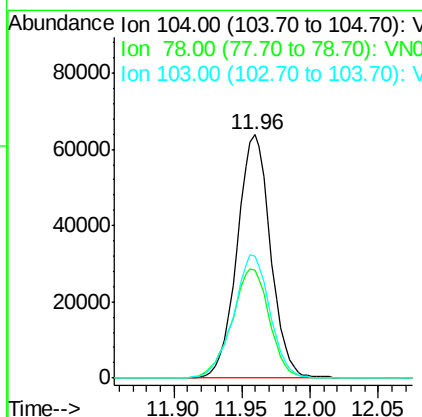
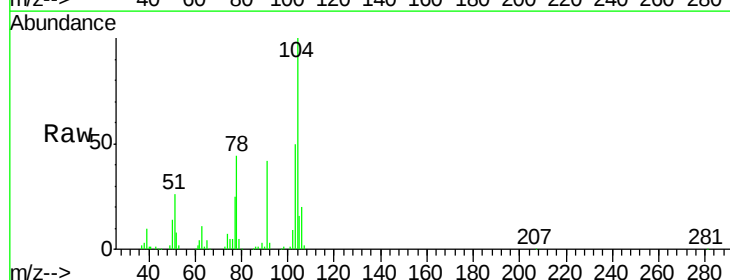
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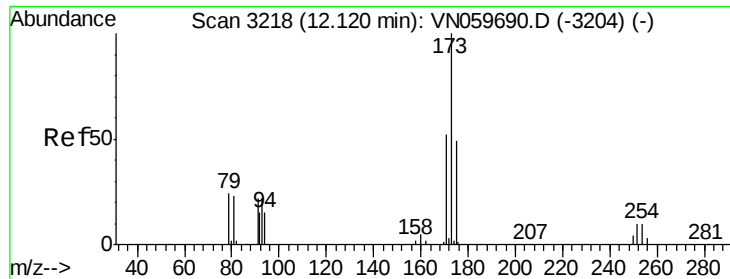
MMDadoda
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#70
Styrene
Concen: 17.397 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion:104 Resp: 108490
Ion Ratio Lower Upper
104 100
78 50.3 42.4 63.6
103 55.1 43.9 65.9





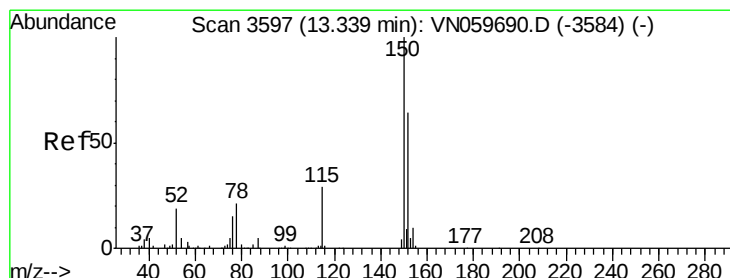
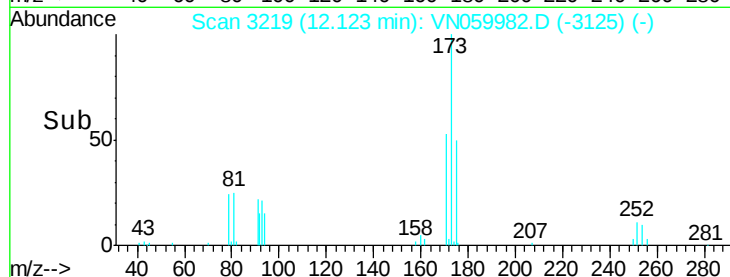
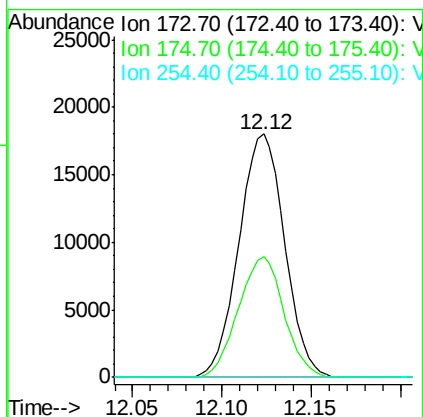
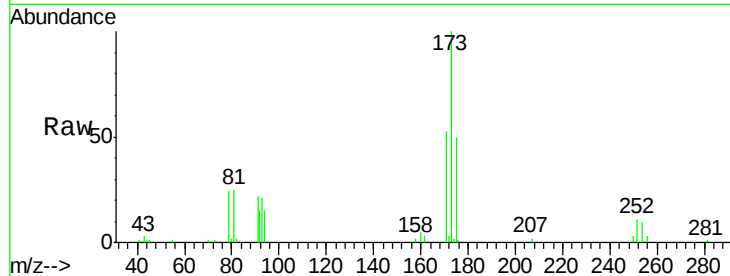
#71
Bromoform
Concen: 18.737 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.4
254	0.0	0.0	0.0

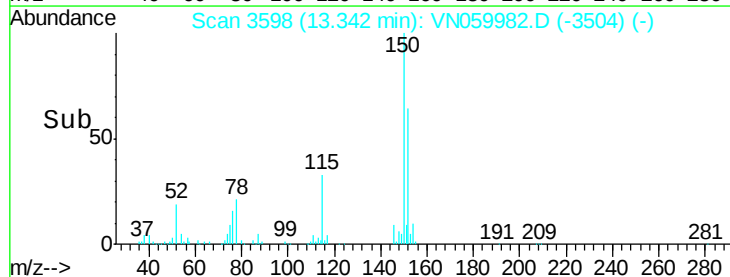
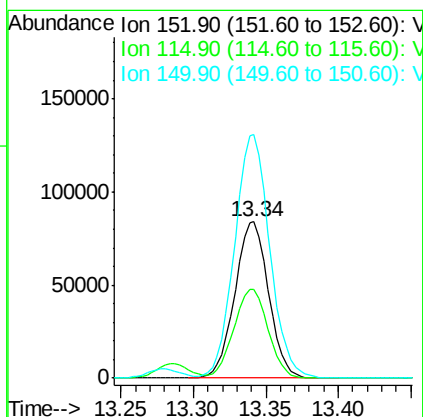
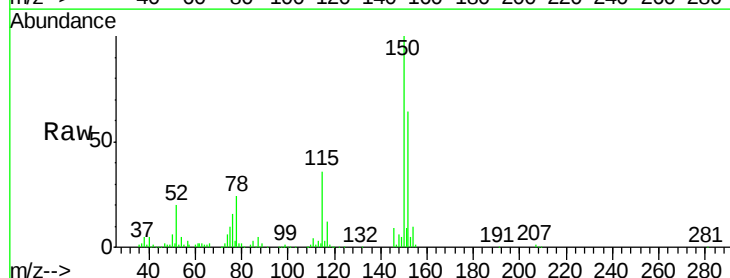
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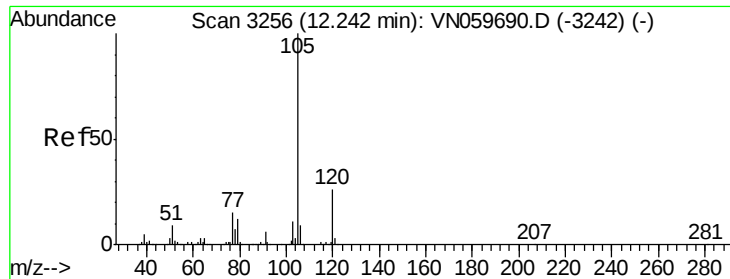
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.3	90.9
150	162.3	0.0	345.2





#73

Isopropylbenzene

Concen: 18.275 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 105 Resp: 182018

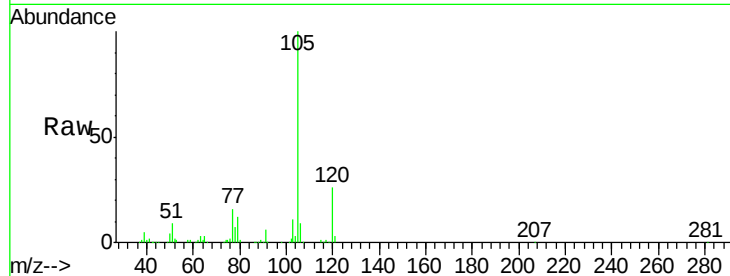
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

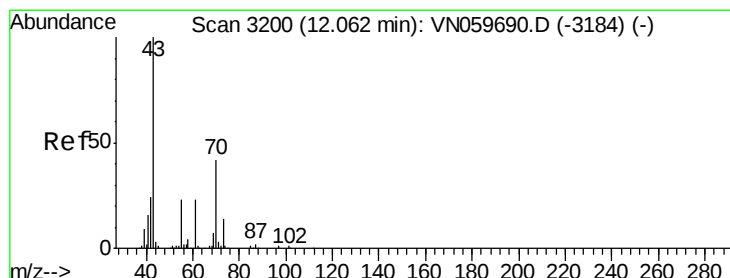
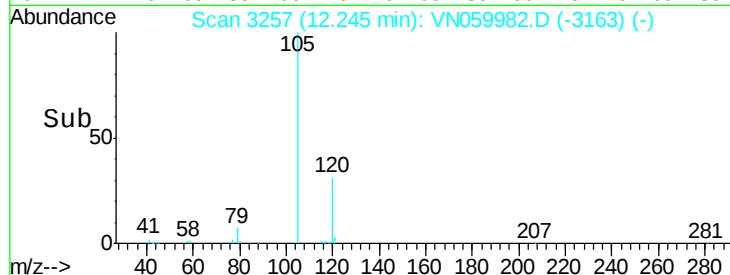
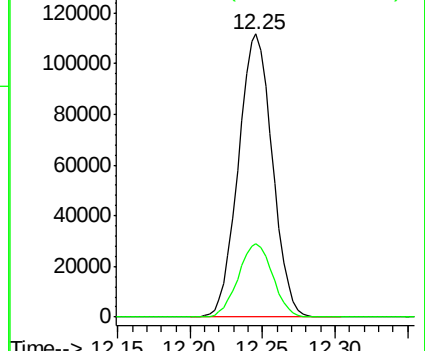
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.082 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Tgt Ion: 43 Resp: 69883

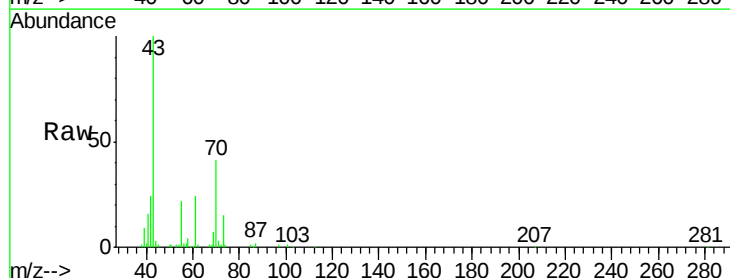
Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 23.2 19.8 29.6

61 24.7 18.3 27.5

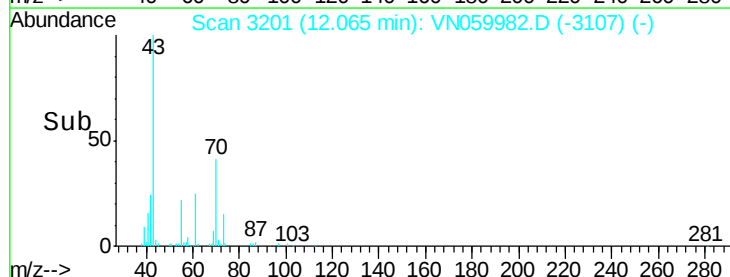
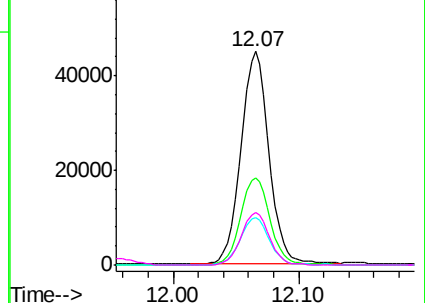


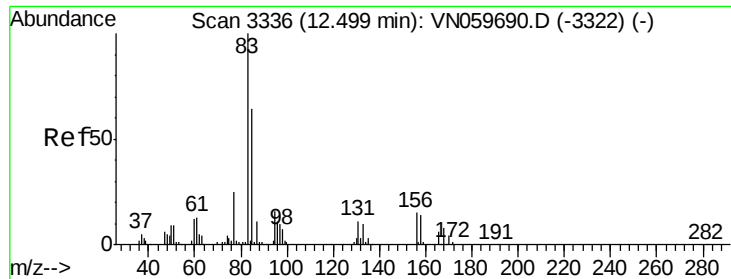
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.546 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

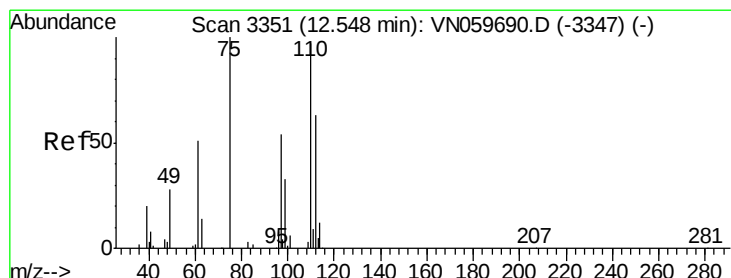
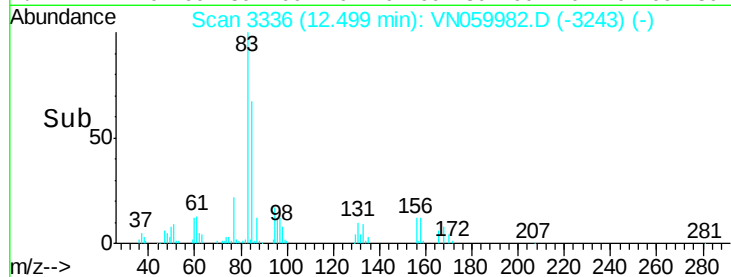
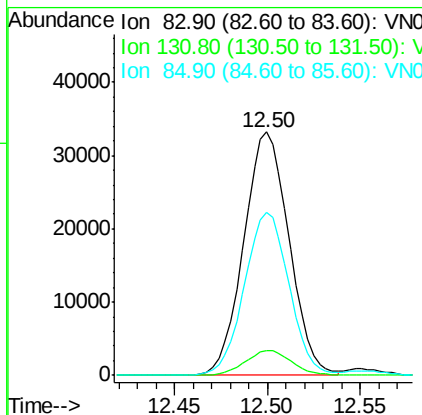
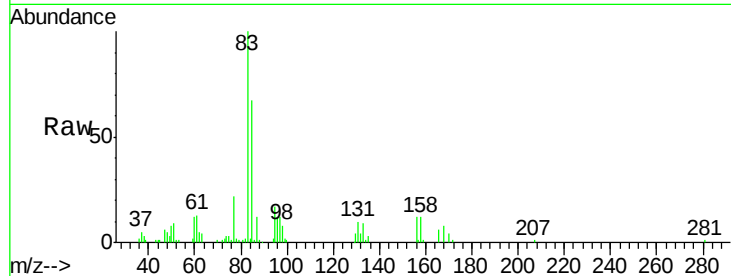
ClientSampleId :

VN0203MBS01

Tot Ion:	83	Resp:	56435
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	65.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.703 ug/l m

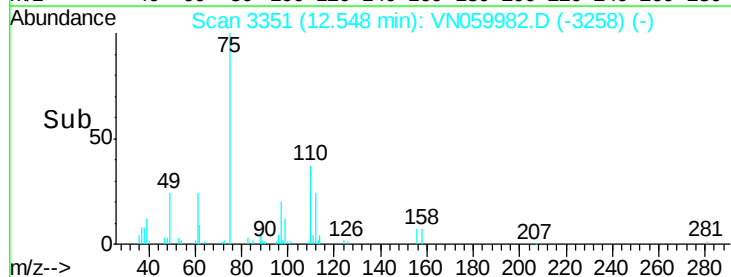
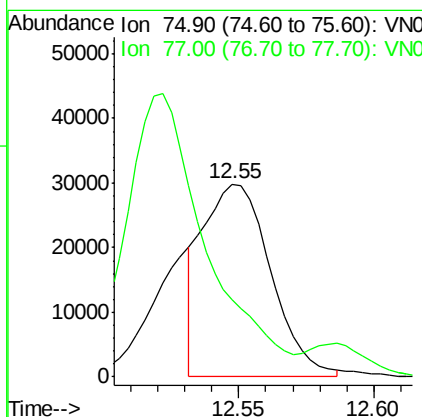
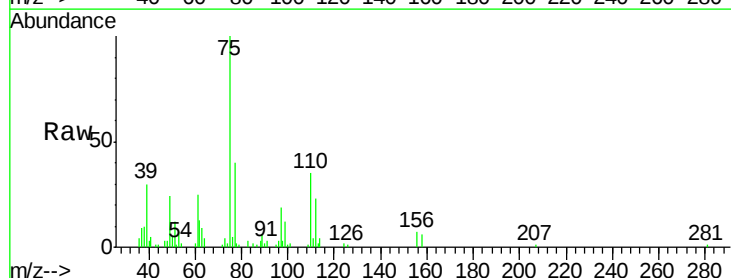
RT: 12.55 min Scan# 3351

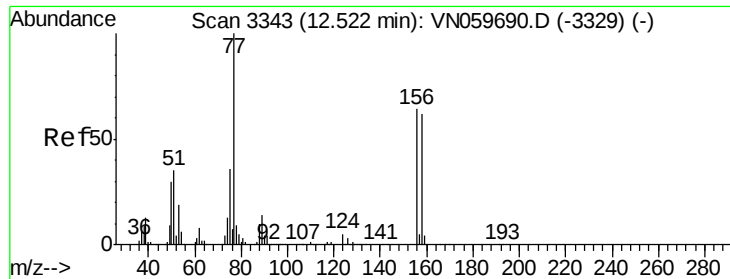
Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Tgt Ion:	75	Resp:	51887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.729 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

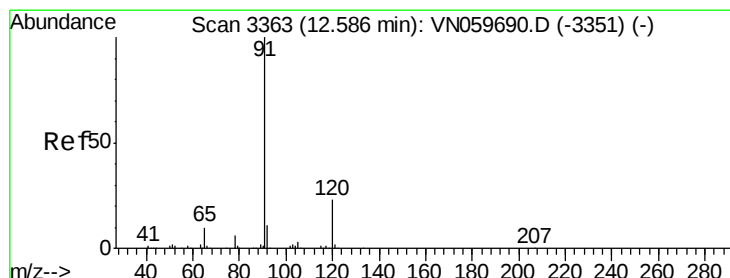
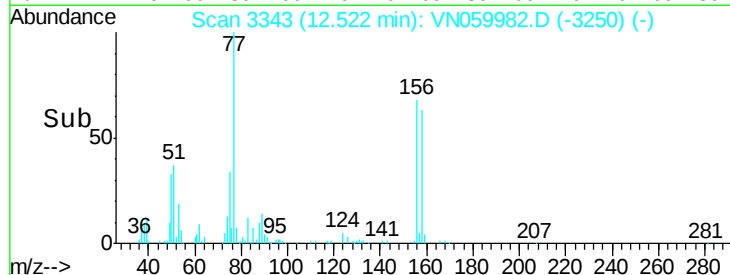
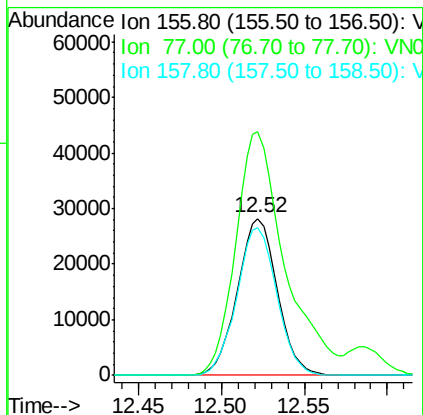
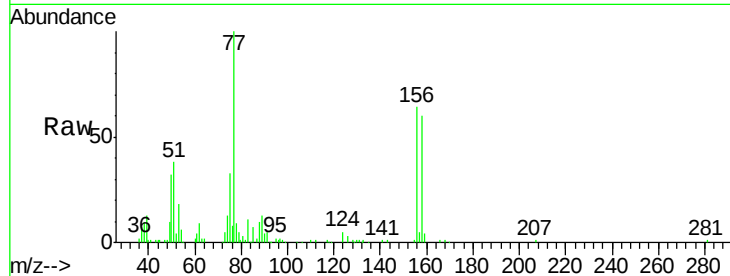
ClientSampleId :

VN0203MBS01

Tot Ion:	156	Resp:	47239
Ion	Ratio	Lower	Upper
156	100		
77	191.2	115.8	347.4
158	94.6	49.2	147.6

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#78

n-propylbenzene

Concen: 18.278 ug/l

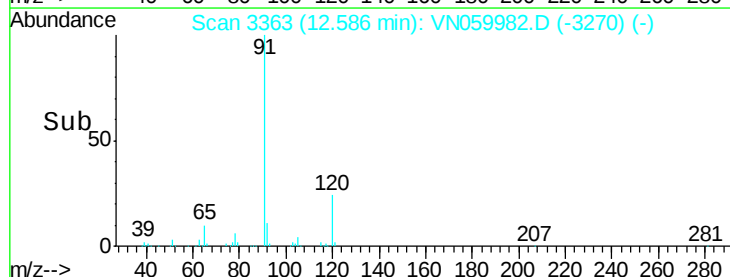
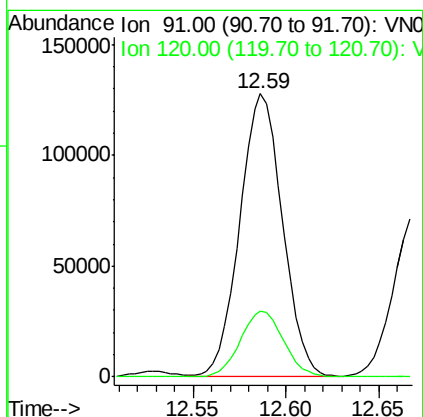
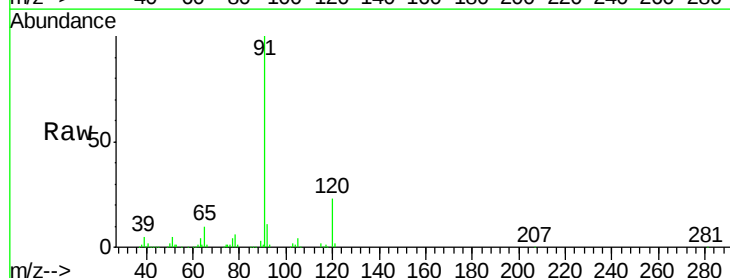
RT: 12.59 min Scan# 3363

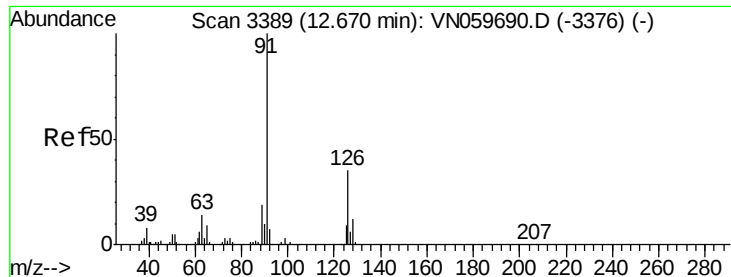
Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Tgt Ion:	91	Resp:	204323
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.118 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 91 Resp: 120492

Ion Ratio Lower Upper

91 100

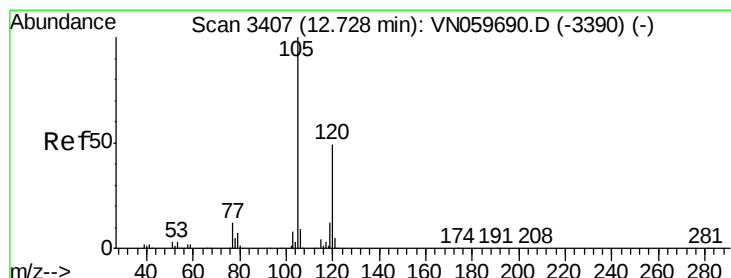
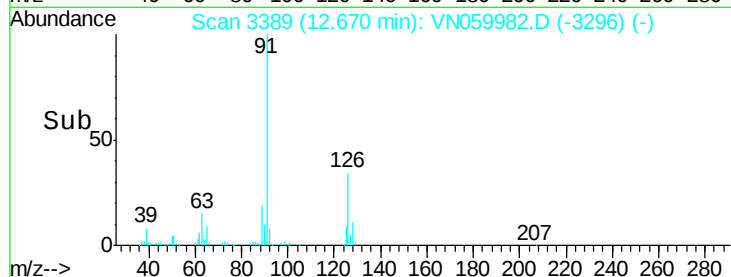
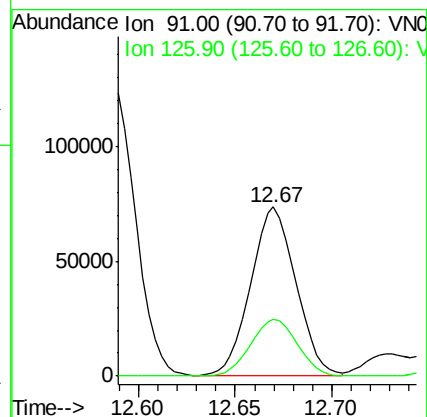
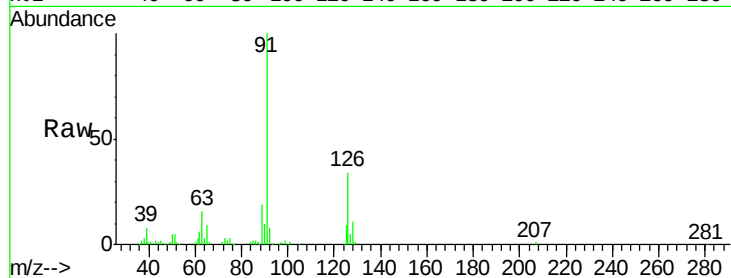
126 34.5 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 17.976 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059982.D

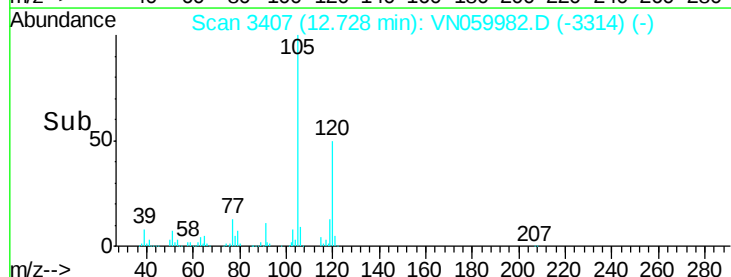
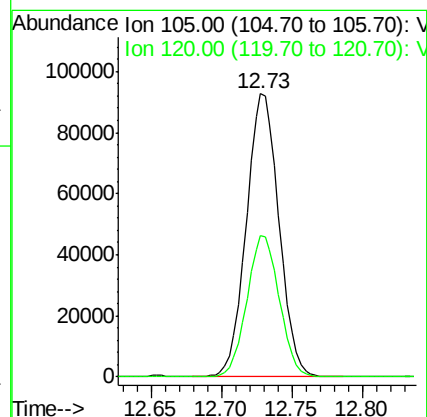
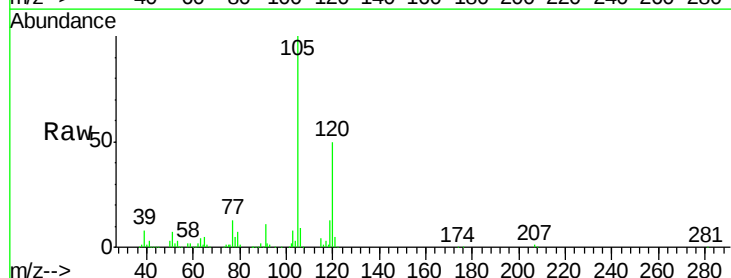
Acq: 3 Feb 2020 18:05

Tgt Ion: 105 Resp: 150574

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.603 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 75 Resp: 19798

Ion Ratio Lower Upper

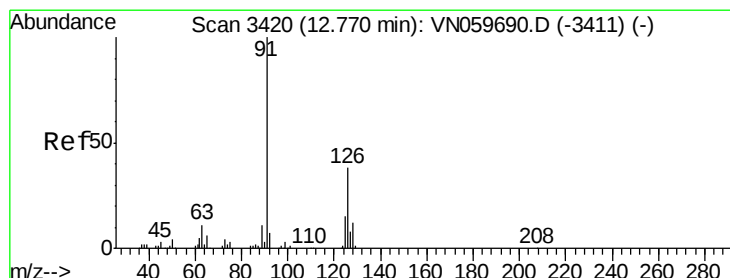
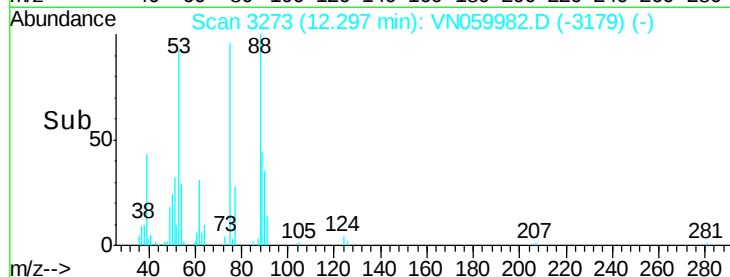
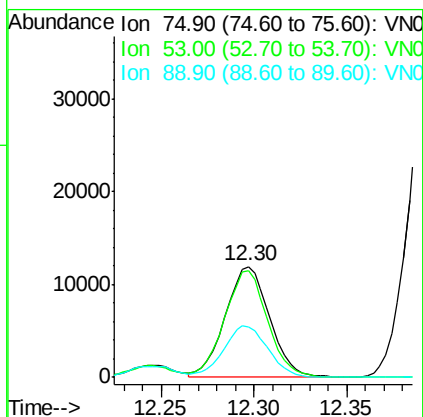
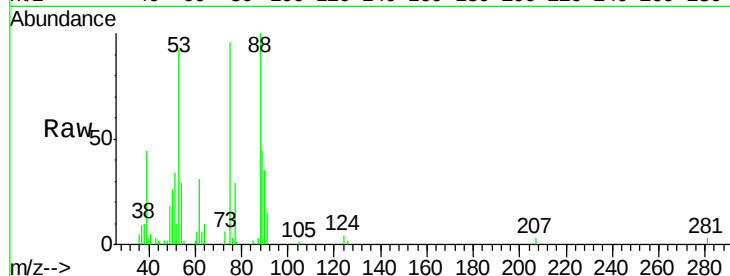
75 100

53 93.5 78.1 117.1

89 46.4 35.4 53.2

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#82

4-Chlorotoluene

Concen: 18.710 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059982.D

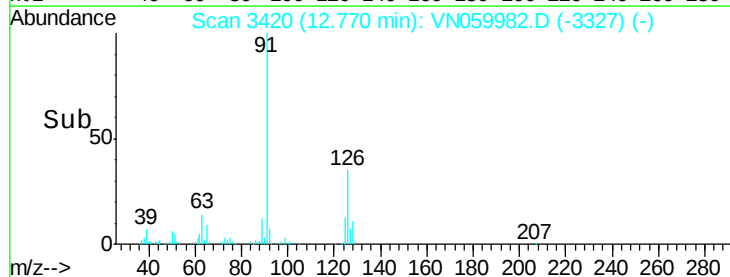
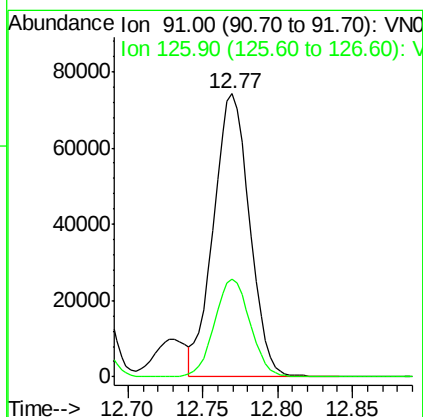
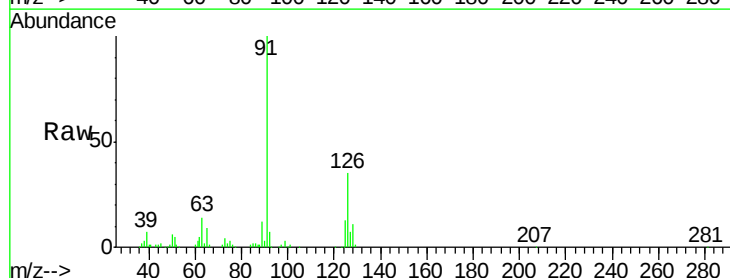
Acq: 3 Feb 2020 18:05

Tgt Ion: 91 Resp: 124805

Ion Ratio Lower Upper

91 100

126 34.0 16.3 48.8





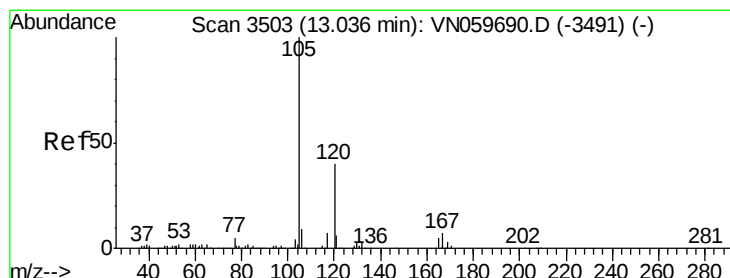
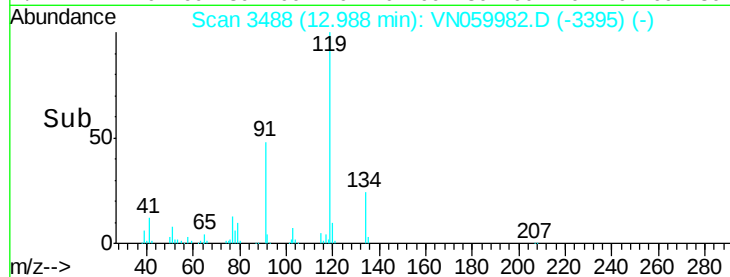
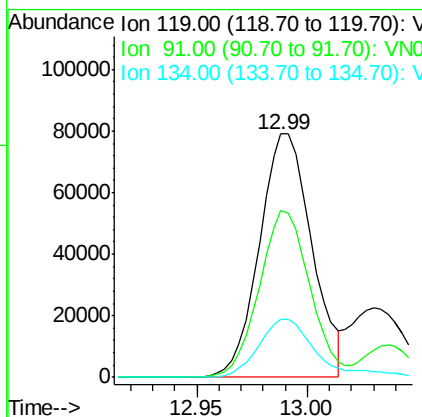
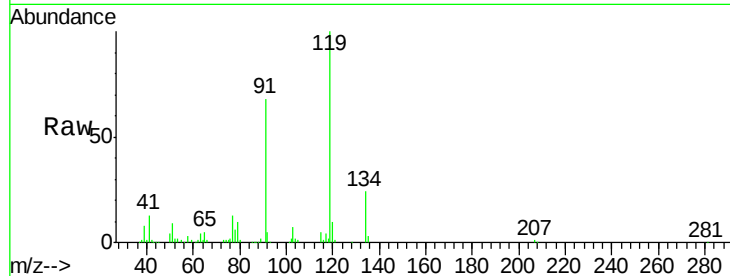
#83
 tert-Butylbenzene
 Concen: 17.972 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	34.8	104.4
134	26.5	12.3	36.9

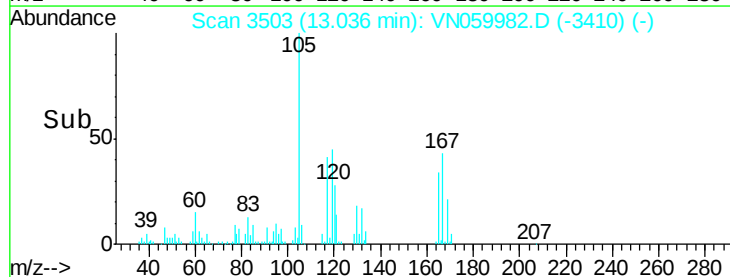
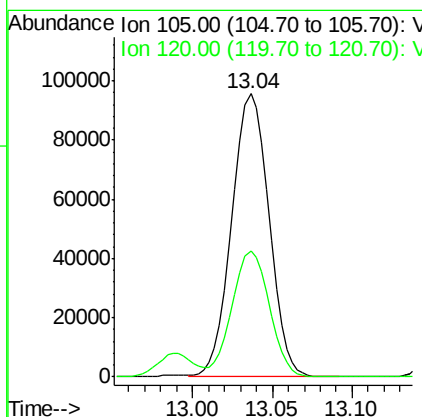
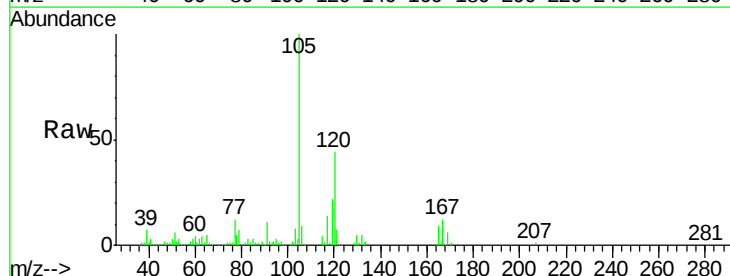
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.332 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





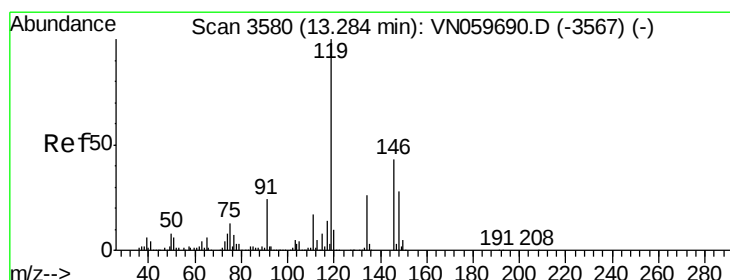
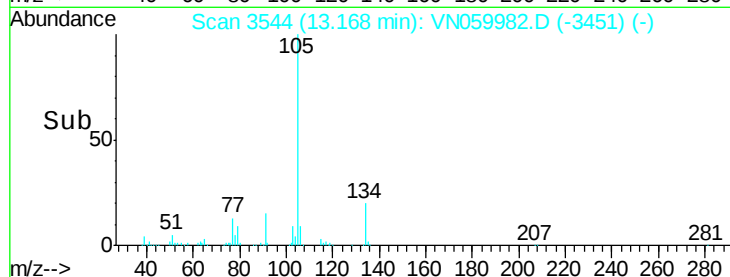
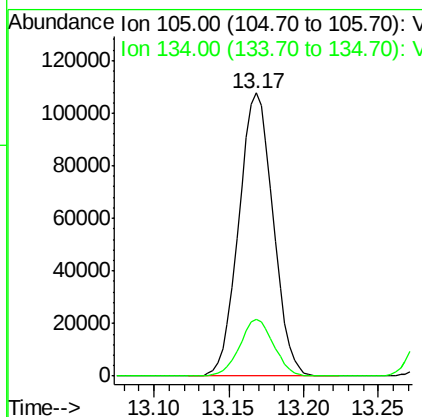
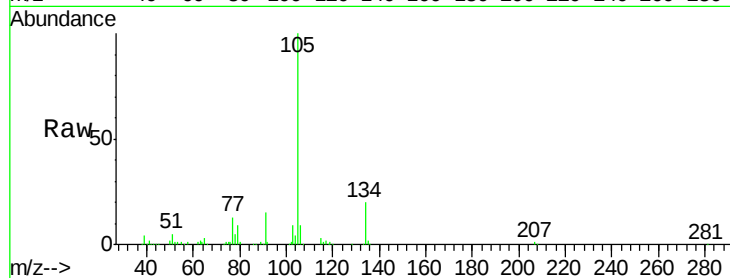
#85
 sec-Butylbenzene
 Concen: 18.067 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

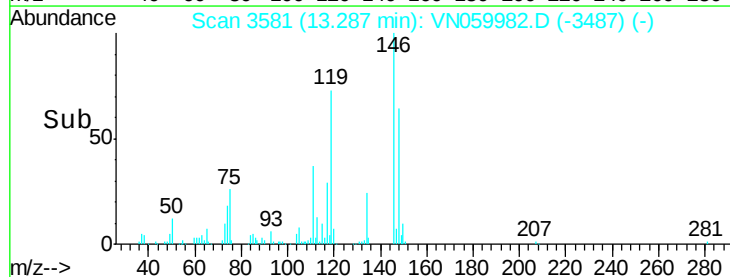
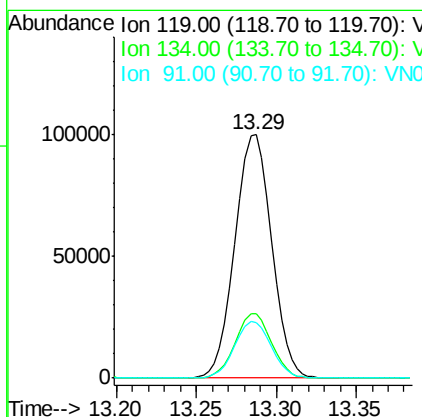
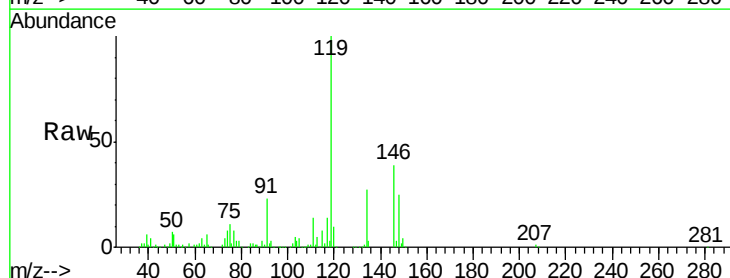
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 17.832 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.7
91	23.3	12.4	37.4





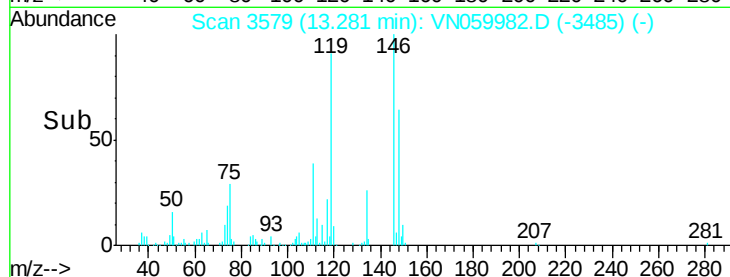
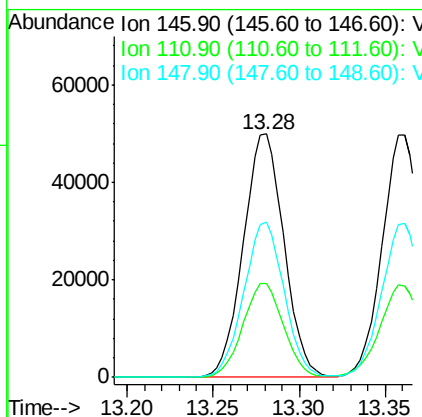
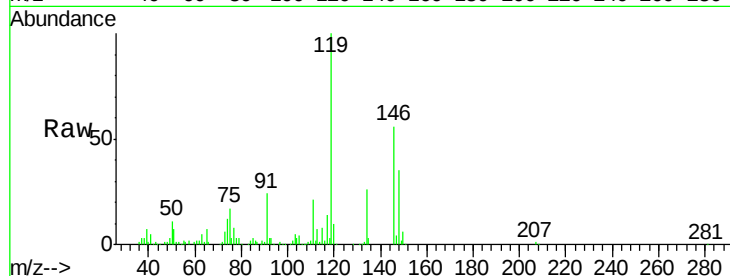
#87
 1,3-Dichlorobenzene
 Concen: 18.715 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	63.1	32.0	96.0

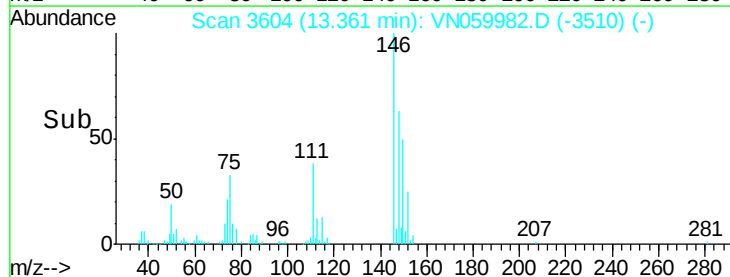
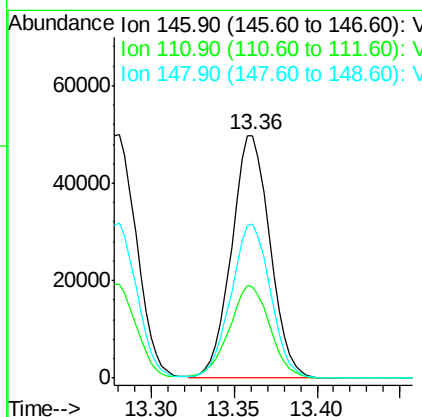
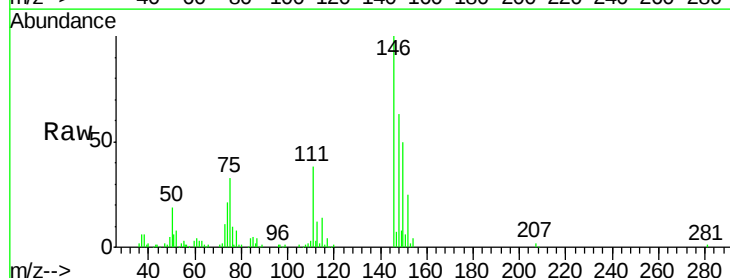
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 18.411 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.2
148	65.2	31.8	95.4





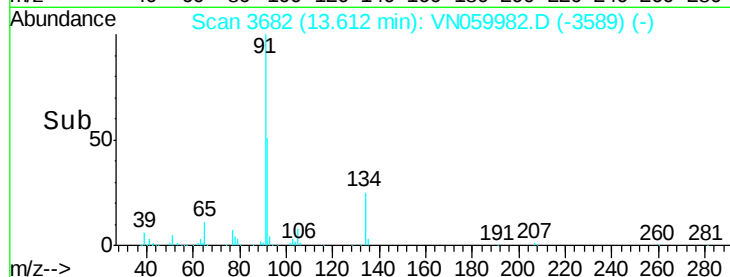
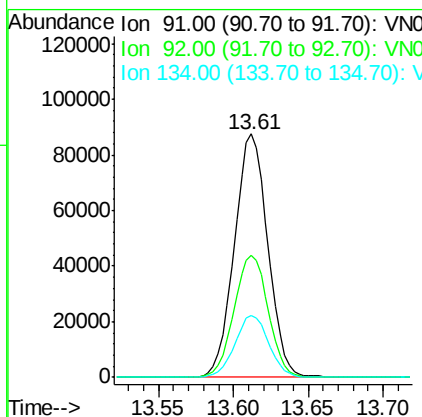
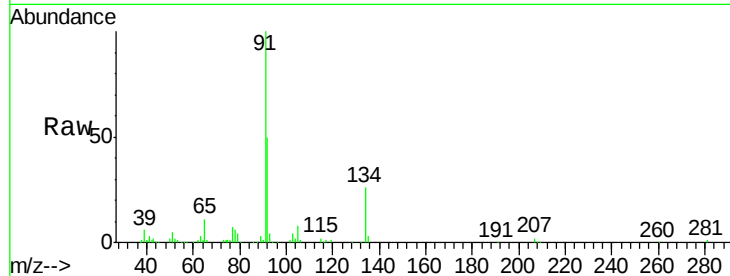
#89
n-Butylbenzene
Concen: 18.139 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	25.9	12.3	36.8

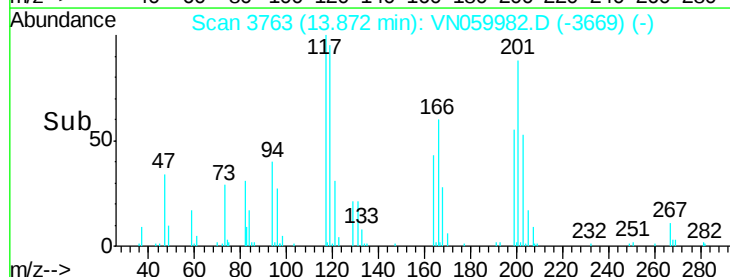
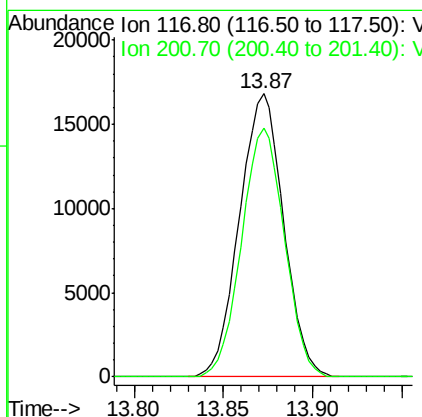
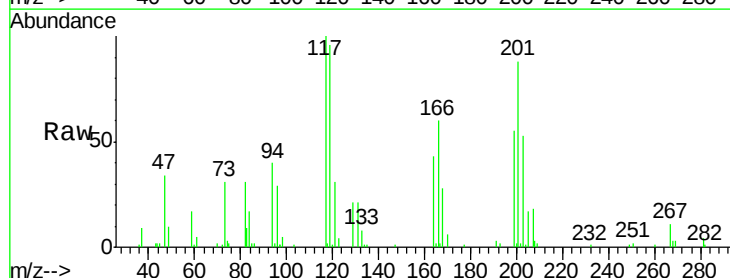
Manual Integrations
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#90
Hexachloroethane
Concen: 17.628 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	37.8	113.4





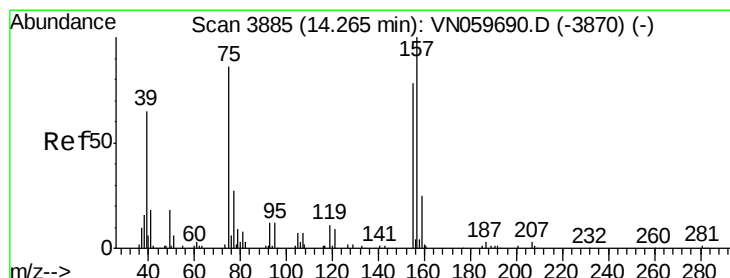
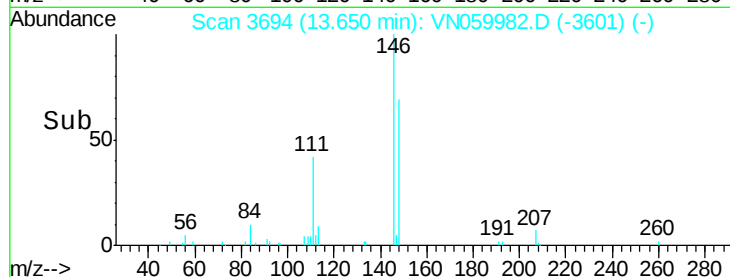
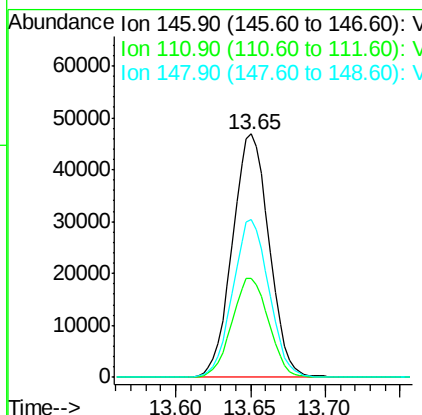
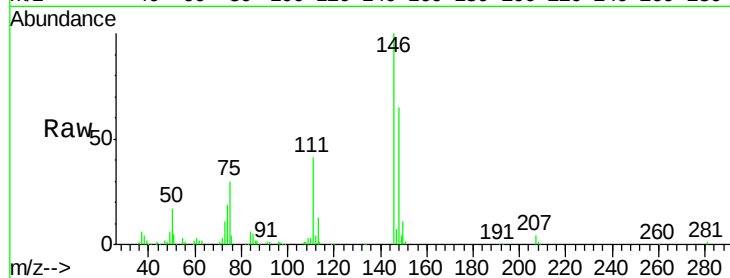
#91
 1,2-Dichlorobenzene
 Concen: 18.493 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	64.8
148	64.0	31.6	95.0

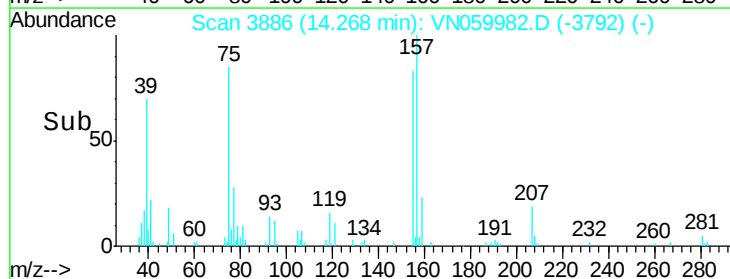
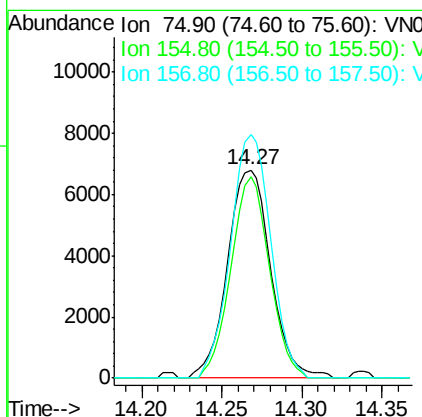
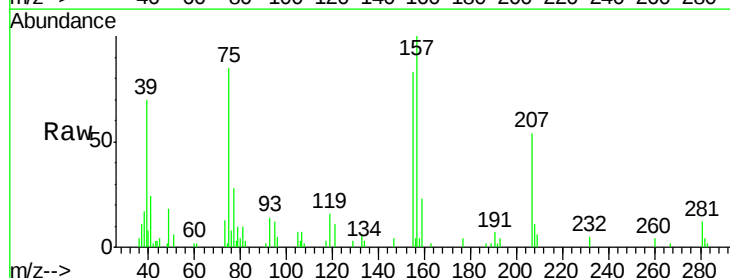
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.885 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059982.D
 Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	37.0	110.9
157	108.8	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 18.905 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Instrument :

MSVOA_N

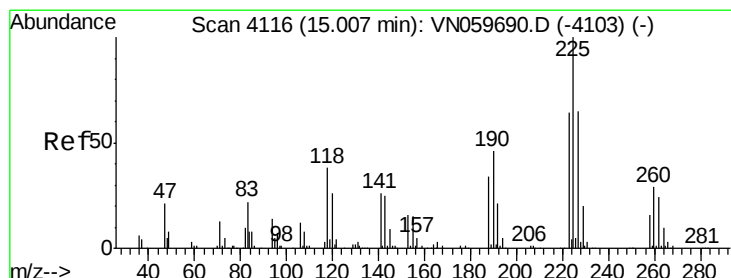
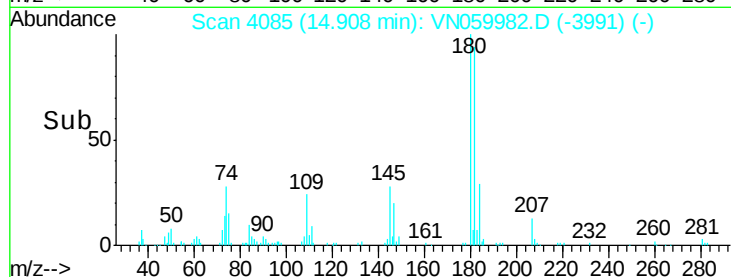
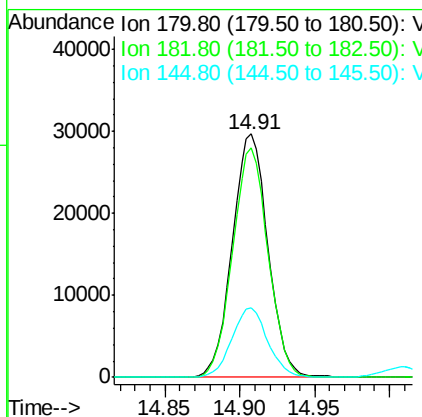
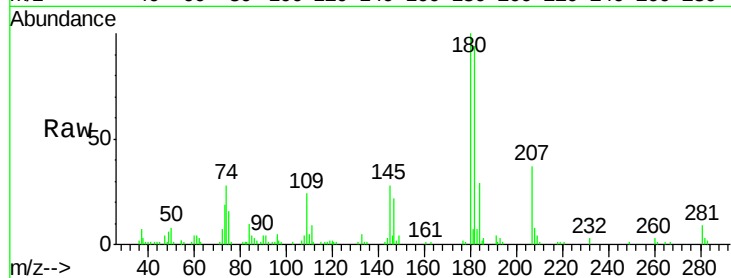
ClientSampleId :

VN0203MBS01

Tot Ion:	180	Resp:	49201
Ion Ratio	Lower	Upper	
180	100		
182	93.5	46.9	140.7
145	28.5	15.0	45.1

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 16.968 ug/l

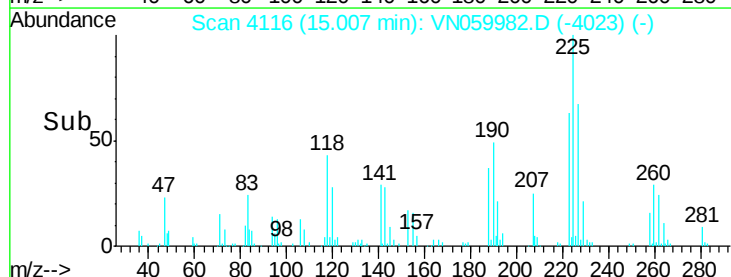
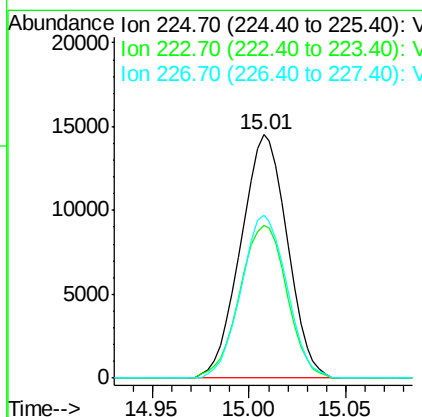
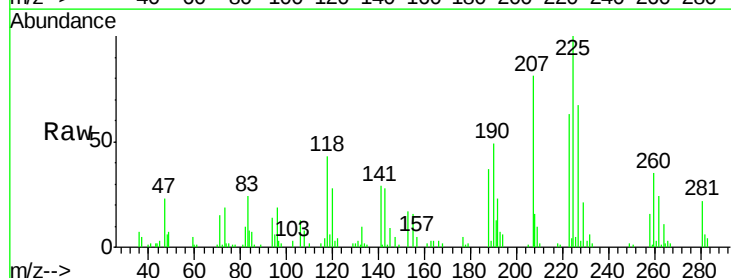
RT: 15.01 min Scan# 4116

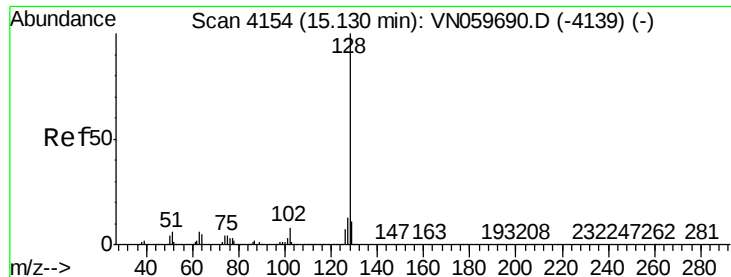
Delta R.T. -0.00 min

Lab File: VN059982.D

Acq: 3 Feb 2020 18:05

Tgt Ion:	225	Resp:	24335
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.8	95.3
227	65.4	32.1	96.5





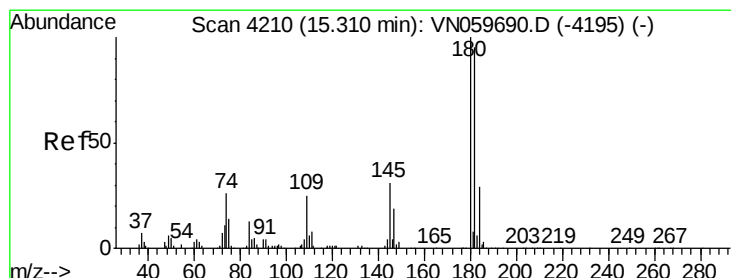
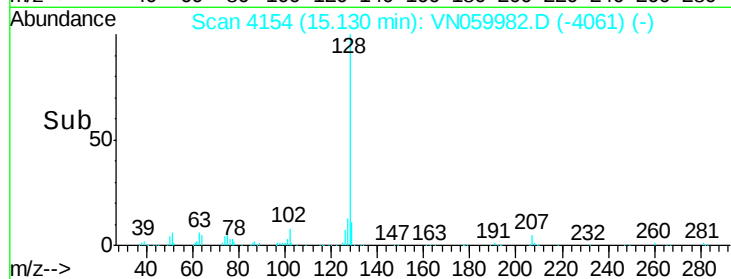
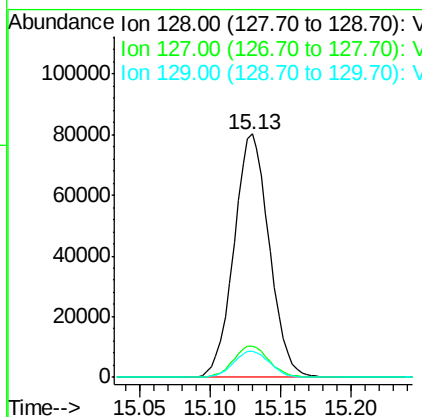
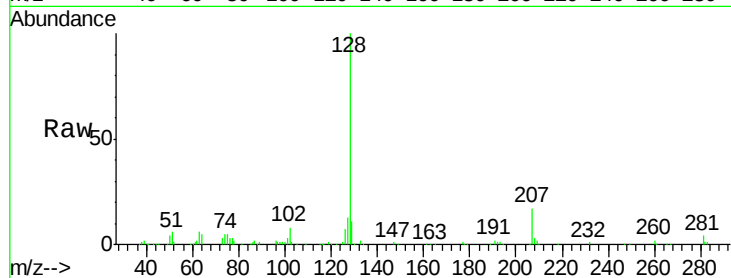
#95
Naphthalene
Concen: 18.976 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:20:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.795 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN059982.D
Acq: 3 Feb 2020 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	32.6	16.3	48.9

