

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058944.D
 Acq On : 23 Oct 2019 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:00 PM

Quant Time: Oct 24 03:14:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	355057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	565781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	544135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	259702	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.57	113	186866	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.08	98	735510	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	274876	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	212025	47.895	ug/l	100
3) Chloromethane	2.04	50	256259	46.739	ug/l	99
4) Vinyl Chloride	2.17	62	264744	48.632	ug/l	98
5) Bromomethane	2.54	94	138128	40.519	ug/l	97
6) Chloroethane	2.68	64	170210	48.757	ug/l	97
7) Trichlorofluoromethane	3.00	101	332554	49.371	ug/l	98
8) Diethyl Ether	3.39	74	118945	51.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180226	48.264	ug/l	99
10) Methyl Iodide	3.93	142	174140	35.457	ug/l	99
11) Tert butyl alcohol	4.76	59	208567	241.353	ug/l	100
12) 1,1-Dichloroethene	3.72	96	171122	48.889	ug/l	98
13) Acrolein	3.59	56	76926	129.556	ug/l	99
14) Allyl chloride	4.30	41	353371	49.892	ug/l	99
15) Acrylonitrile	4.96	53	571177	262.766	ug/l	100
16) Acetone	3.79	43	509371	197.951	ug/l	99
17) Carbon Disulfide	4.03	76	519981	46.118	ug/l	99
18) Methyl Acetate	4.30	43	297335	50.824	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	649163	52.966	ug/l	99
20) Methylene Chloride	4.53	84	210465	47.900	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	191771	49.611	ug/l	98
22) Diisopropyl ether	5.93	45	743804	53.690	ug/l	97
23) Vinyl Acetate	5.87	43	3140744	282.177	ug/l	100
24) 1,1-Dichloroethane	5.82	63	402302	50.081	ug/l	99
25) 2-Butanone	6.81	43	805319	241.091	ug/l	99
26) 2,2-Dichloropropane	6.80	77	311836	44.880	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	224173	50.767	ug/l	99
28) Bromochloromethane	7.18	49	133915	50.056	ug/l	100
29) Tetrahydrofuran	7.19	42	548520	268.437	ug/l	99
30) Chloroform	7.35	83	399194	49.541	ug/l	99
31) Cyclohexane	7.63	56	353548	47.243	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	339861	50.039	ug/l	99
36) 1,1-Dichloropropene	7.78	75	298134	51.470	ug/l	99
37) Ethyl Acetate	6.91	43	339474	53.786	ug/l	100
38) Carbon Tetrachloride	7.76	117	293914	49.254	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	331975	51.041	ug/l	97
40) Benzene	8.02	78	882437	51.880	ug/l	99
41) Methacrylonitrile	7.15	41	154780m	55.062	ug/l	
42) 1,2-Dichloroethane	8.11	62	334409	51.038	ug/l	99
43) Isopropyl Acetate	8.15	43	539404	53.289	ug/l	100
44) Trichloroethene	8.82	130	207626	50.110	ug/l	100
45) 1,2-Dichloropropane	9.11	63	244643	52.451	ug/l	99
46) Dibromomethane	9.20	93	150145	50.921	ug/l	99
47) Bromodichloromethane	9.39	83	319836	52.628	ug/l	99
48) Methyl methacrylate	9.19	41	252557	54.993	ug/l	100
49) 1,4-Dioxane	9.19	88	71813	952.560	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1726231	291.969	ug/l	100
52) Toluene	10.15	92	544219	53.954	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	356707	53.021	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	380638	52.957	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	216398	52.078	ug/l	98
56) Ethyl methacrylate	10.42	69	346276	49.626	ug/l	100
57) 1,3-Dichloropropane	10.70	76	384438	52.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	748835	253.970	ug/l	99
59) 2-Hexanone	10.75	43	1286433	281.576	ug/l	99
60) Dibromochloromethane	10.90	129	241602	54.018	ug/l	100
61) 1,2-Dibromoethane	11.00	107	226364	53.232	ug/l	99
64) Tetrachloroethene	10.63	164	189134	49.632	ug/l	98
65) Chlorobenzene	11.43	112	579711	52.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	219556	52.521	ug/l	99
67) Ethyl Benzene	11.51	91	1066462	54.879	ug/l	98
68) m/p-Xylenes	11.62	106	788500	109.412	ug/l	99
69) o-Xylene	11.95	106	378612	55.085	ug/l	98
70) Styrene	11.96	104	634674	50.024	ug/l	99
71) Bromoform	12.13	173	172345	53.167	ug/l #	98
73) Isopropylbenzene	12.25	105	1029738	52.713	ug/l	100
74) N-amyl acetate	12.07	43	484530	54.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	346539	50.451	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	299684m	48.375	ug/l	
77) Bromobenzene	12.53	156	245940	51.078	ug/l	98
78) n-propylbenzene	12.59	91	1229406	53.242	ug/l	99
79) 2-Chlorotoluene	12.68	91	721239	51.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	889427	54.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119362	50.193	ug/l	99
82) 4-Chlorotoluene	12.78	91	757134	52.424	ug/l	100
83) tert-Butylbenzene	13.00	119	746061	53.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	893967	55.222	ug/l	100
85) sec-Butylbenzene	13.18	105	1005651	53.743	ug/l	99
86) p-Isopropyltoluene	13.29	119	911735	55.220	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	446955	51.914	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	446005	51.742	ug/l	99
89) n-Butylbenzene	13.62	91	824722	54.376	ug/l	99
90) Hexachloroethane	13.88	117	169661	50.711	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	439451	51.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75023	48.290	ug/l	98

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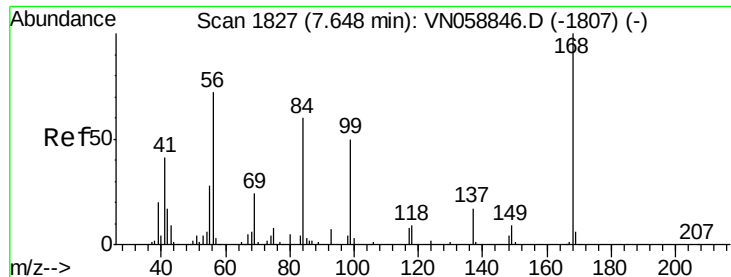
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	262015	49.227	ug/l	100
94) Hexachlorobutadiene	15.01	225	134724	49.121	ug/l	98
95) Naphthalene	15.13	128	753255	49.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	254941	49.199	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 355057

Ion Ratio Lower Upper

168 100

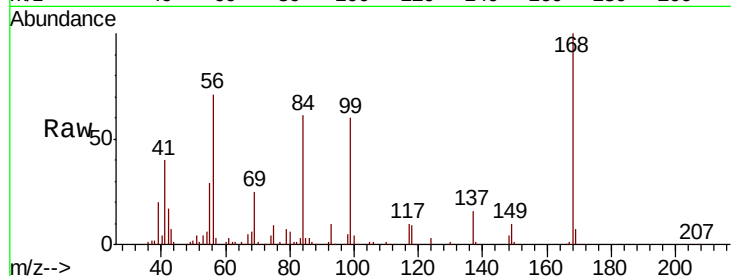
99 60.5 48.1 72.1

Manual Integrations

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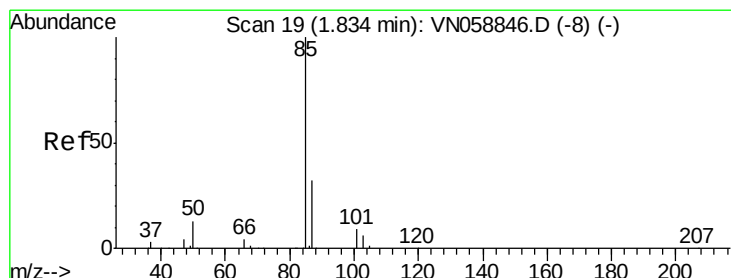
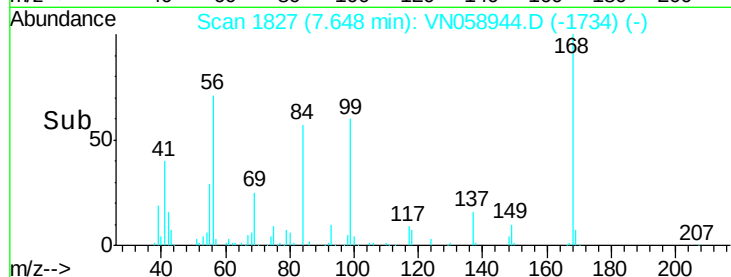
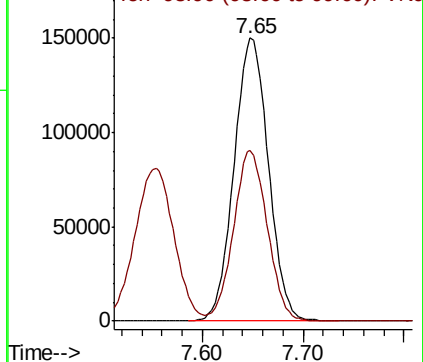
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.895 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058944.D

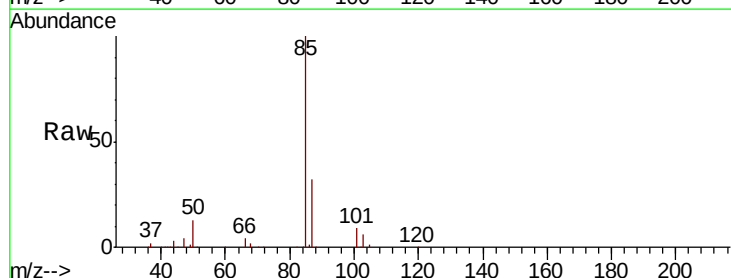
Acq: 23 Oct 2019 20:54

Tgt Ion: 85 Resp: 212025

Ion Ratio Lower Upper

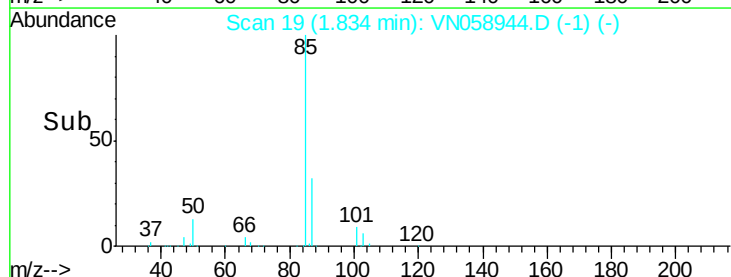
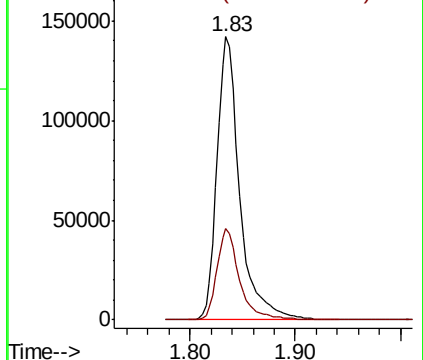
85 100

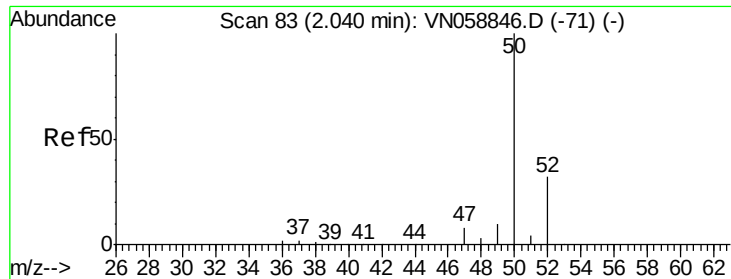
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.739 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 256259

Ion Ratio Lower Upper

50 100

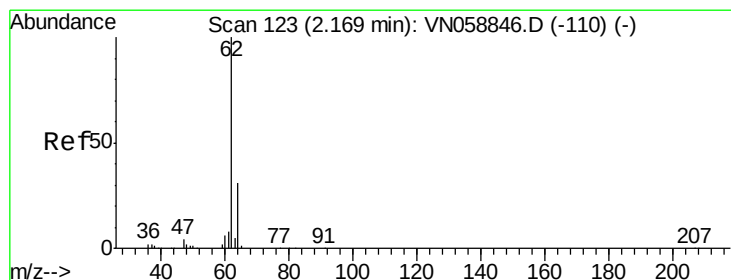
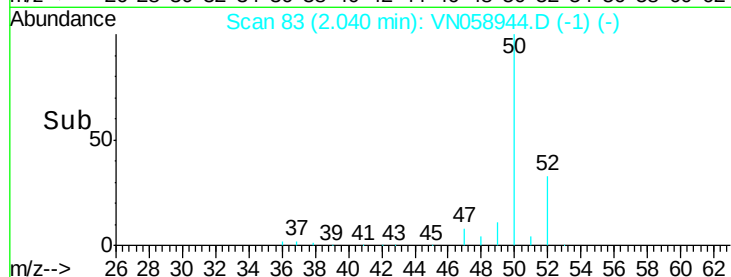
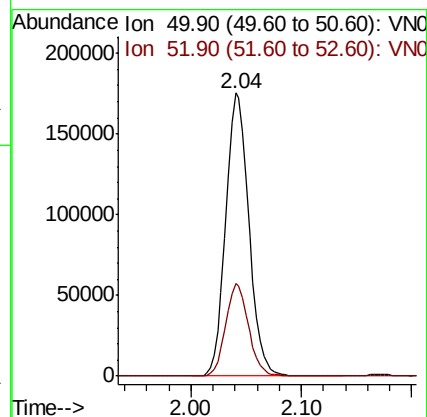
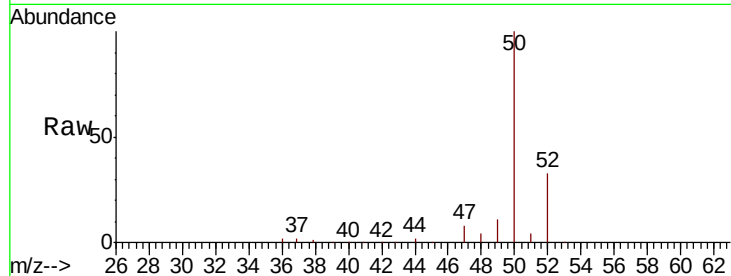
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.632 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058944.D

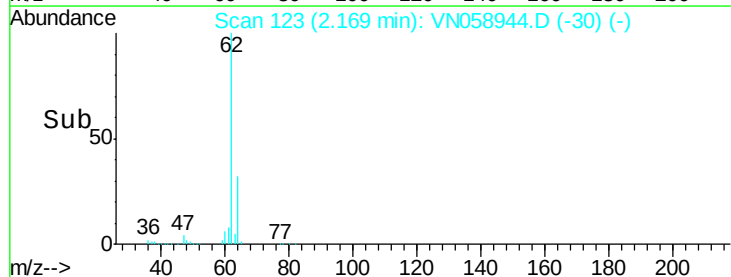
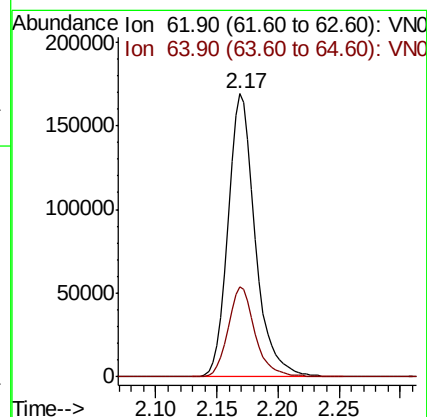
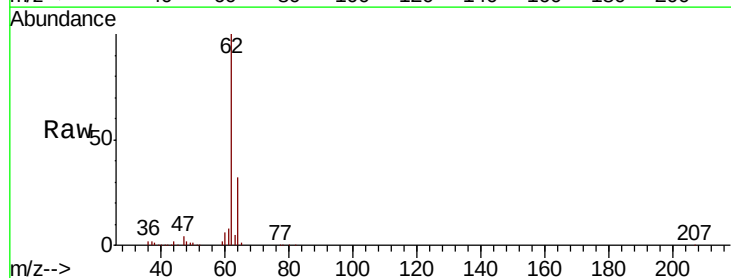
Acq: 23 Oct 2019 20:54

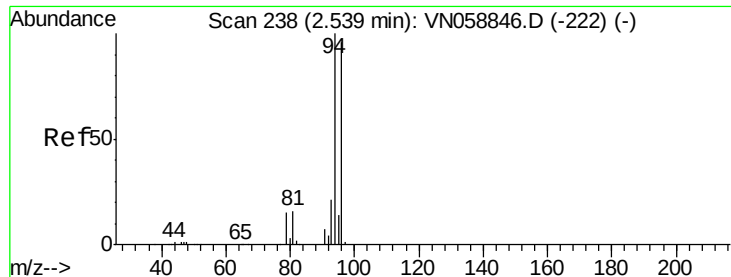
Tgt Ion: 62 Resp: 264744

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 40.519 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 138128

Ion Ratio Lower Upper

94 100

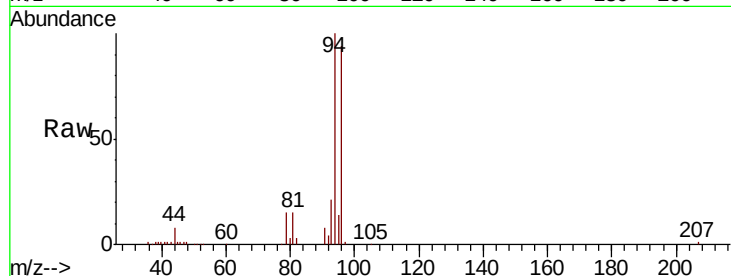
96 93.7 77.0 115.6

Manual Integrations

APPROVED

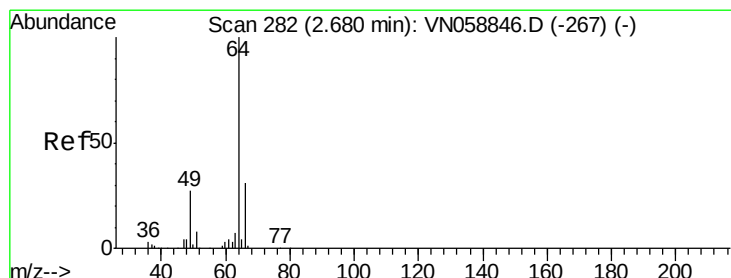
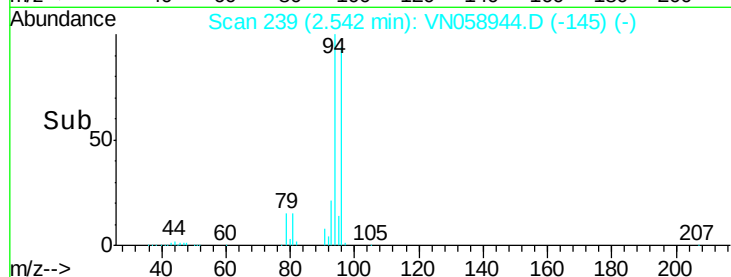
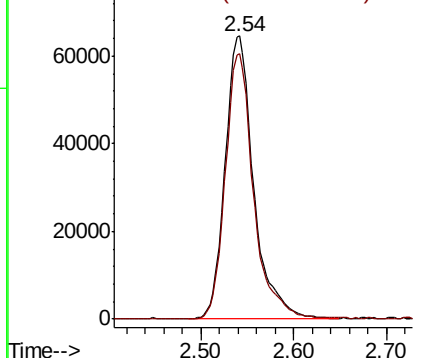
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.757 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058944.D

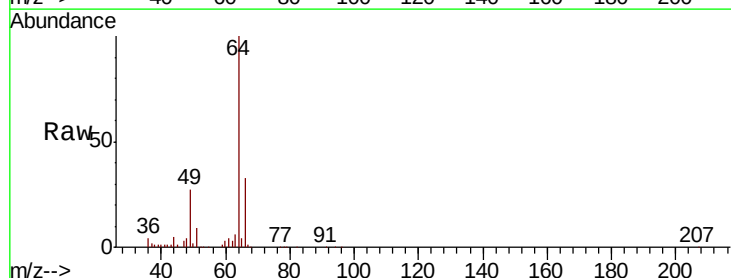
Acq: 23 Oct 2019 20:54

Tgt Ion: 64 Resp: 170210

Ion Ratio Lower Upper

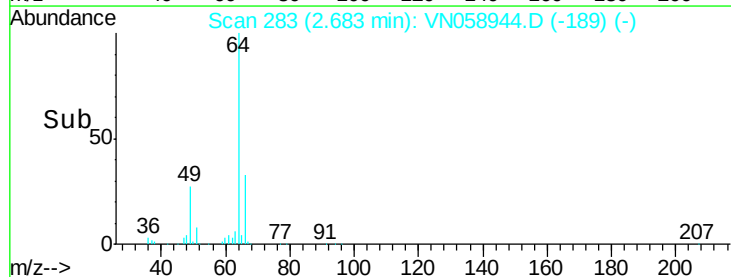
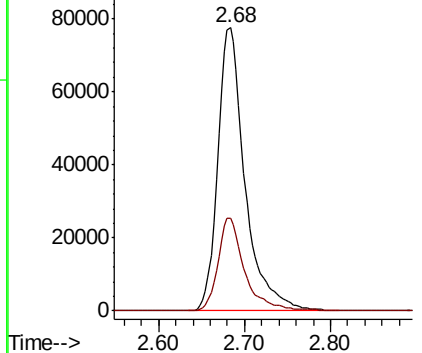
64 100

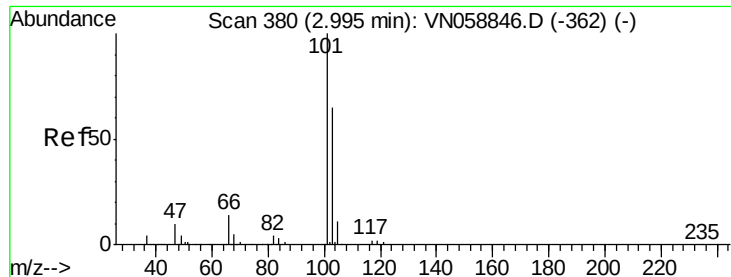
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

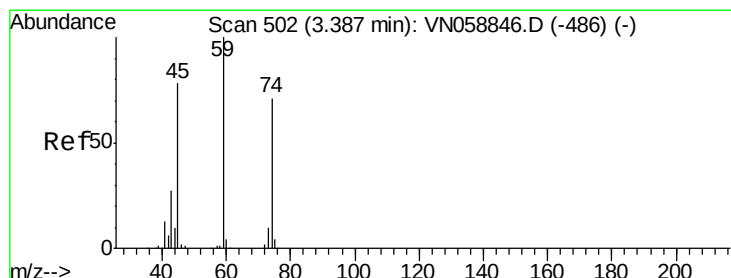
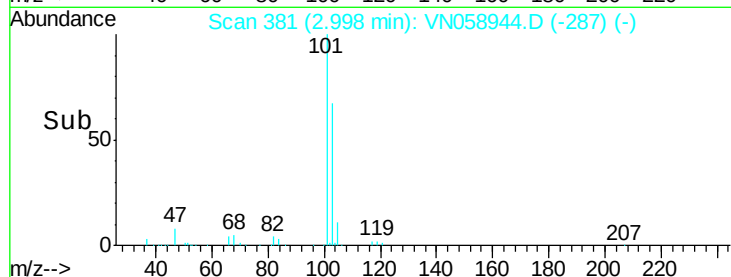
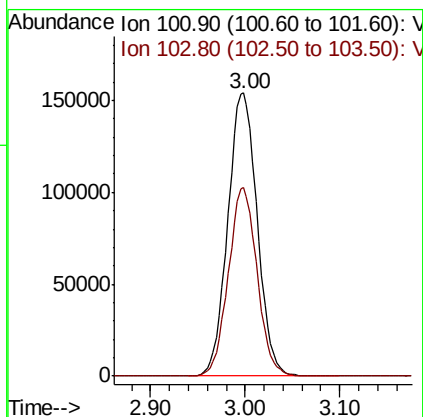
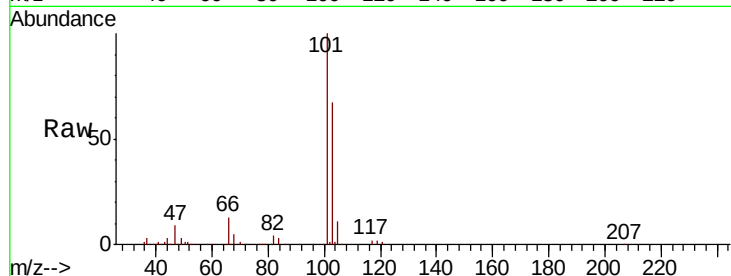
Trichlorofluoromethane
Concen: 49.371 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.2	78.2

Manual Integrations
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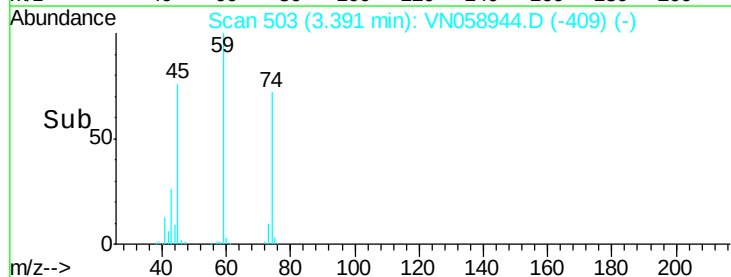
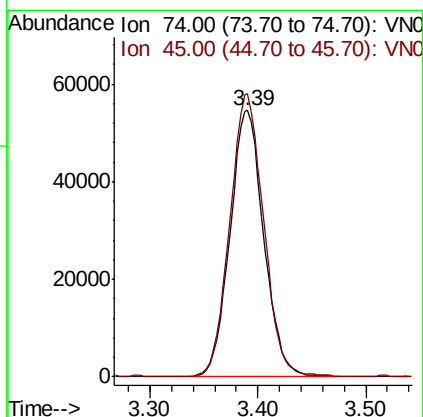
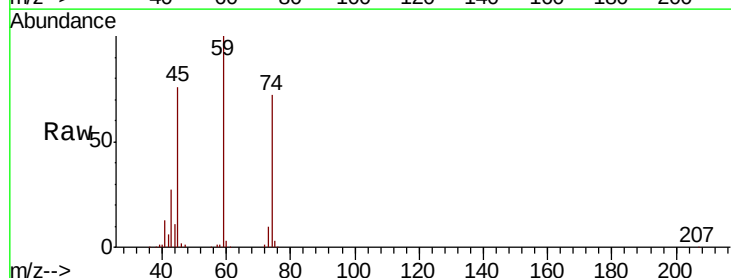
MMDadoda
10/25/2019 2:44:00 PM

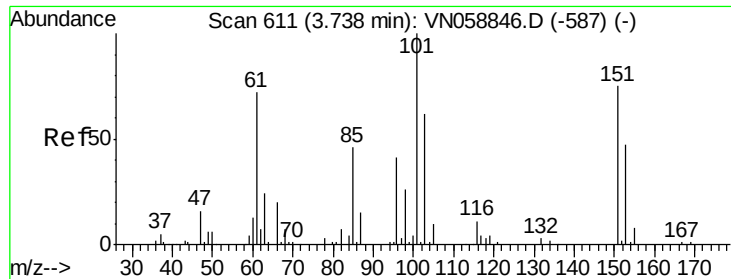


#8

Diethyl Ether
Concen: 51.100 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	54.9	164.5





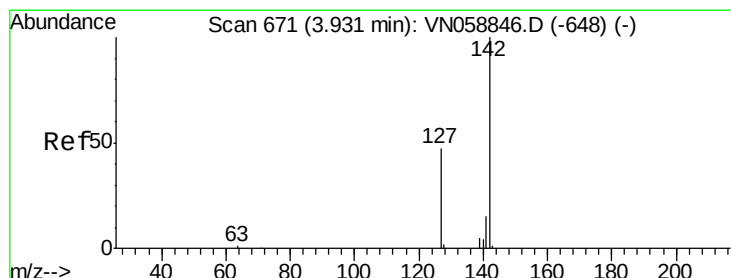
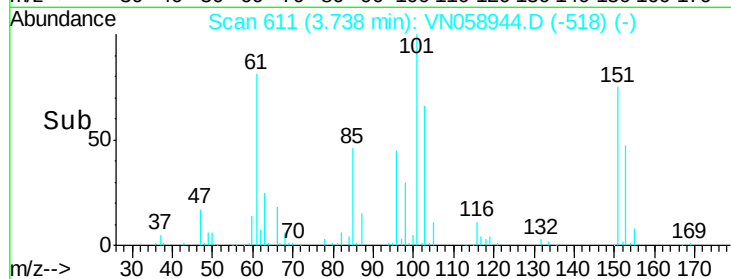
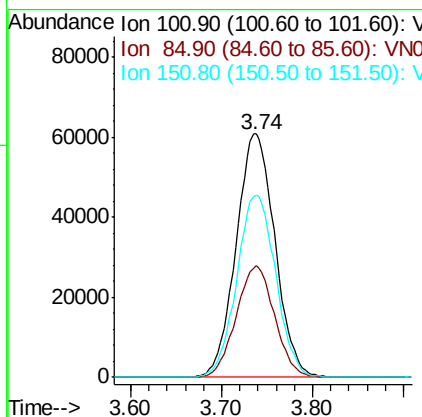
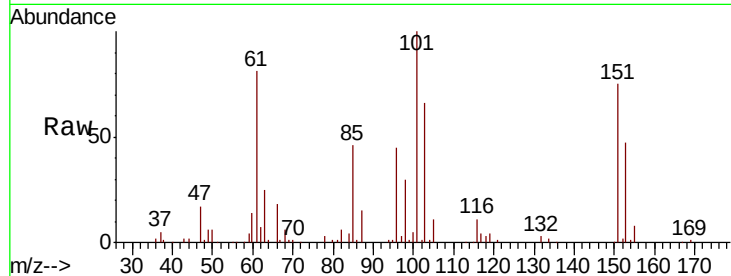
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.264 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.3	37.2	55.8
151	75.3	59.9	89.9

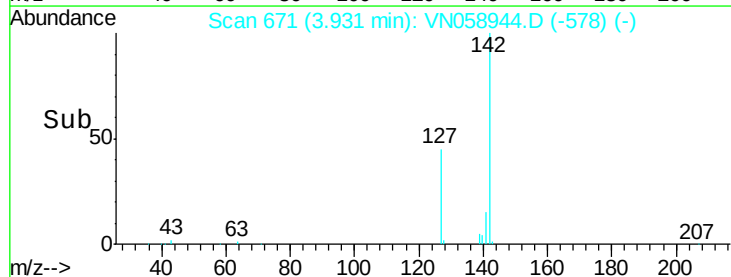
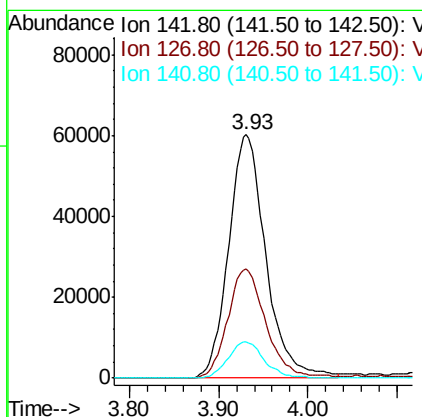
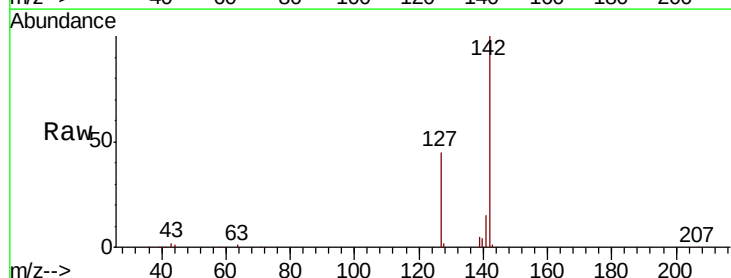
Manual Integrations
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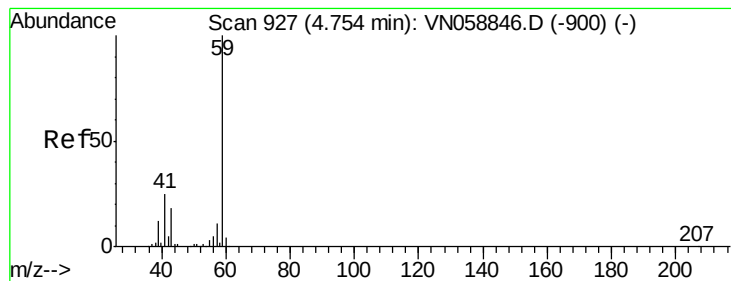
MMDadoda
10/25/2019 2:44:00 PM



#10
Methyl Iodide
Concen: 35.457 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.1	36.6	54.8
141	14.5	11.4	17.2





#11

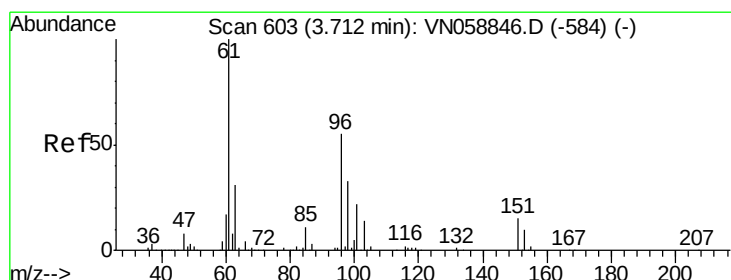
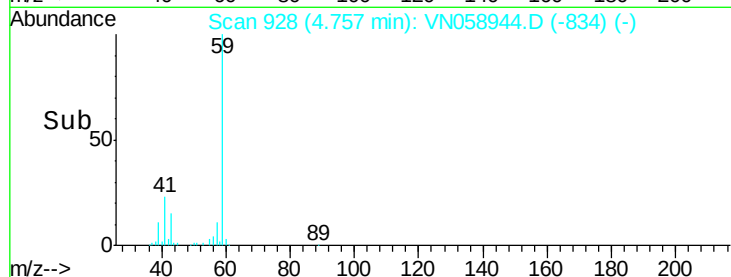
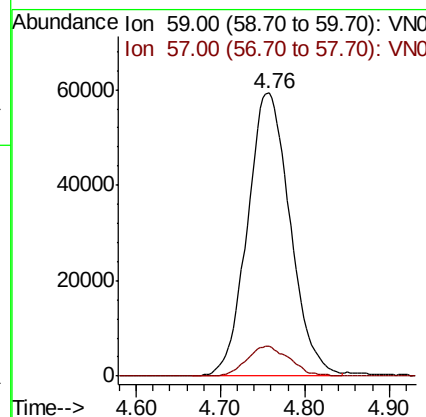
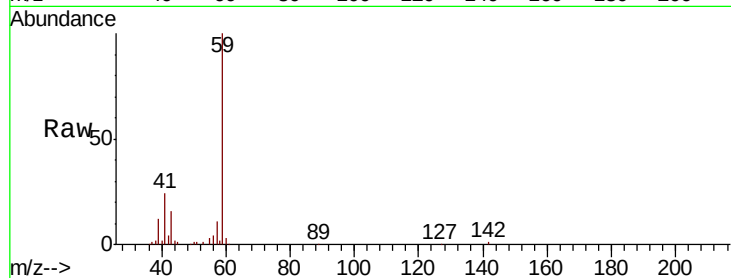
Tert butyl alcohol
Concen: 241.353 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
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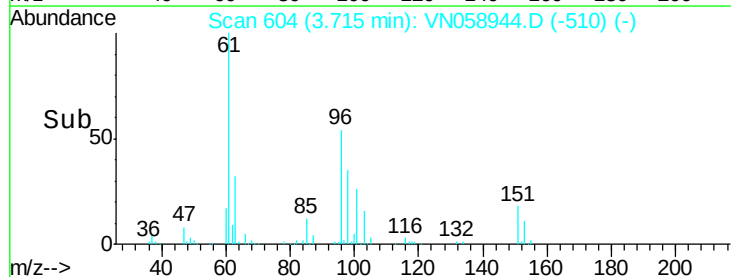
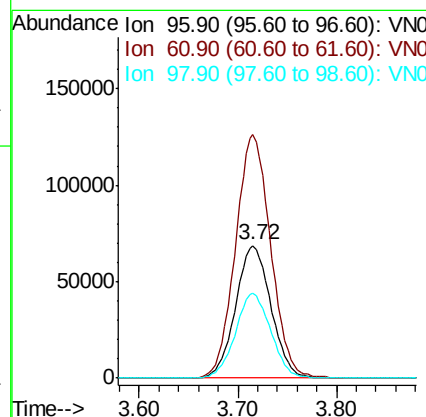
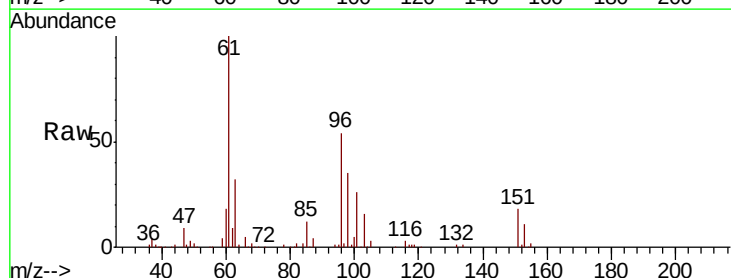
MMDadoda
10/25/2019 2:44:00 PM

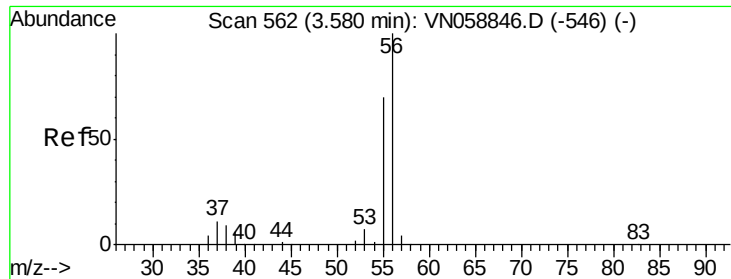


#12

1,1-Dichloroethene
Concen: 48.889 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.8	146.2	219.2
98	64.2	48.7	73.1





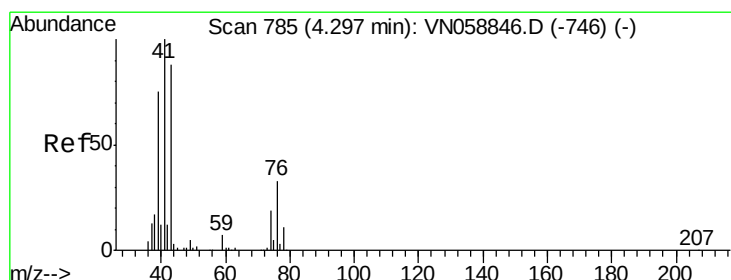
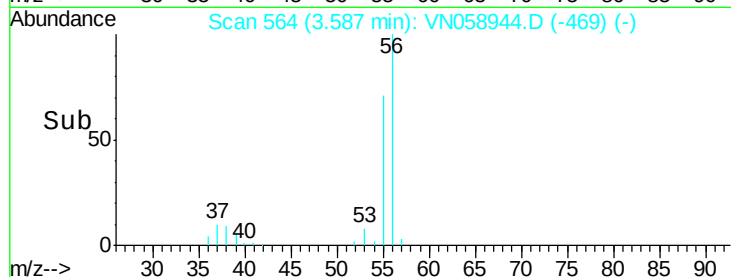
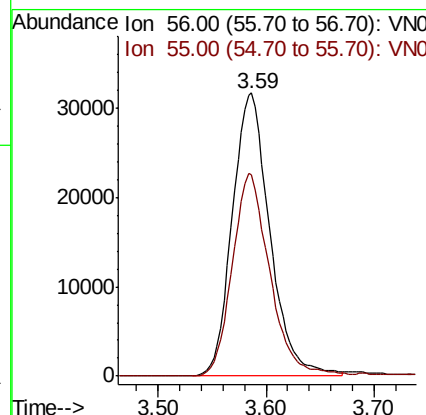
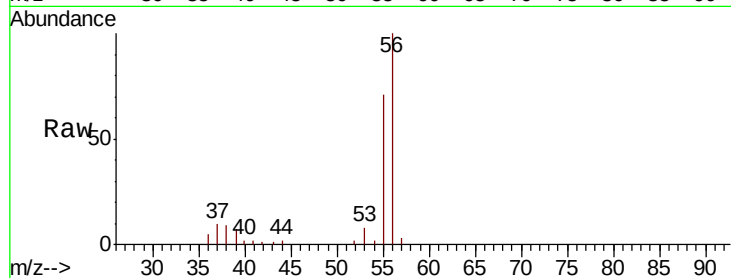
#13
Acrolein
Concen: 129.556 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Resp	Lower	Upper
76926	100	71.6		56.6	85.0

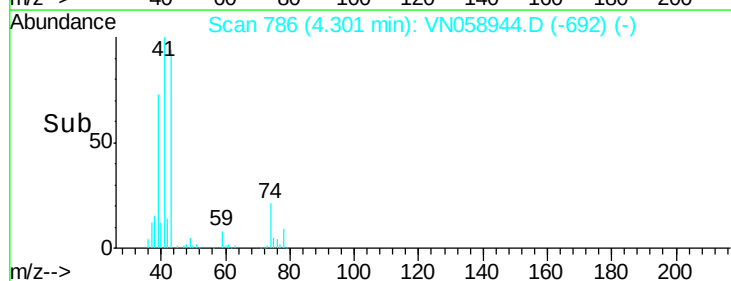
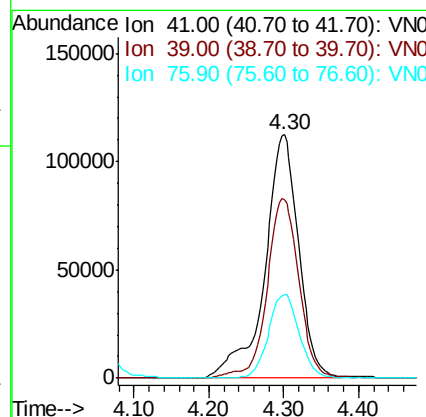
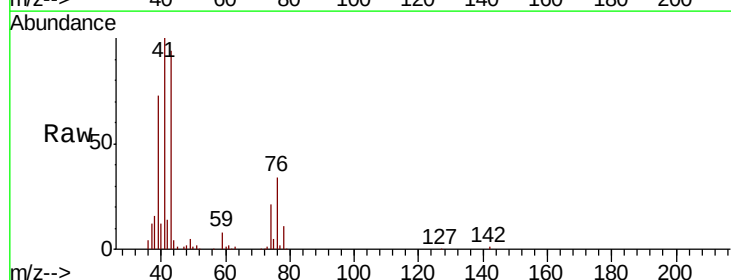
Manual Integrations
APPROVED

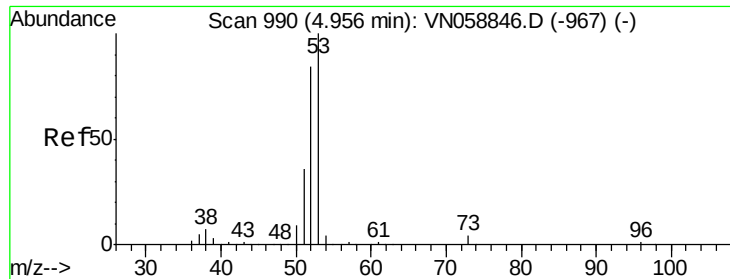
MMDadoda
10/25/2019 2:44:00 PM



#14
Allyl chloride
Concen: 49.892 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	41	39	76	Resp	Lower	Upper
353371	100	69.4	31.3		55.9	83.9





#15

Acrylonitrile

Concen: 262.766 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

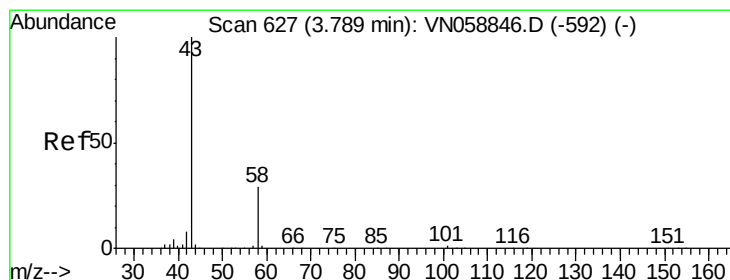
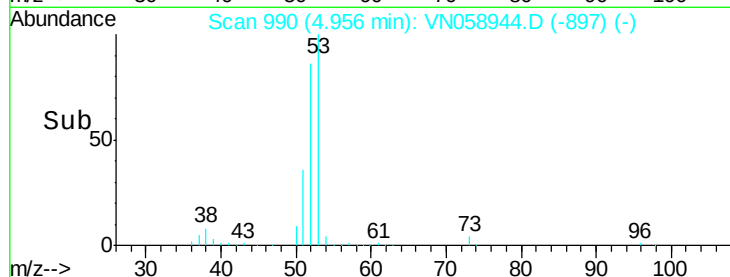
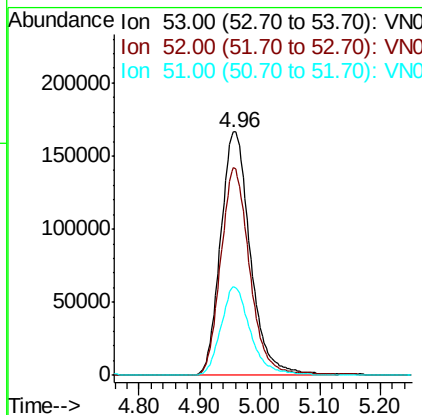
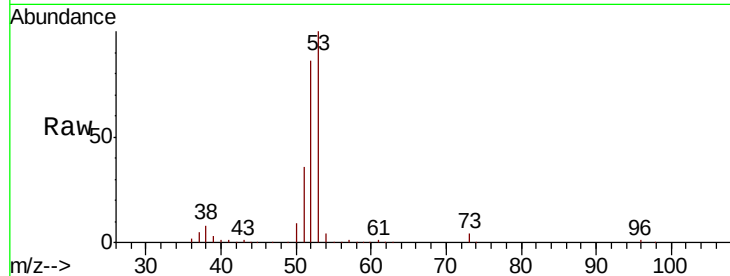
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	571177
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	36.2	29.2	43.8

Manual Integrations
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10/25/2019 2:44:00 PM



#16

Acetone

Concen: 197.951 ug/l

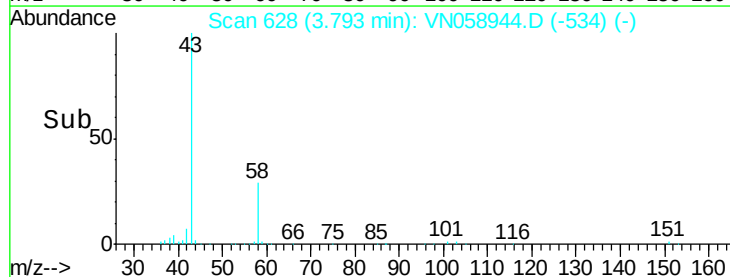
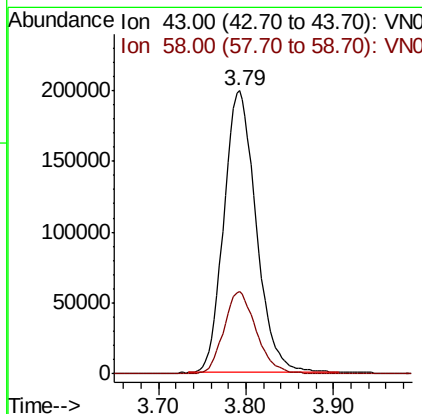
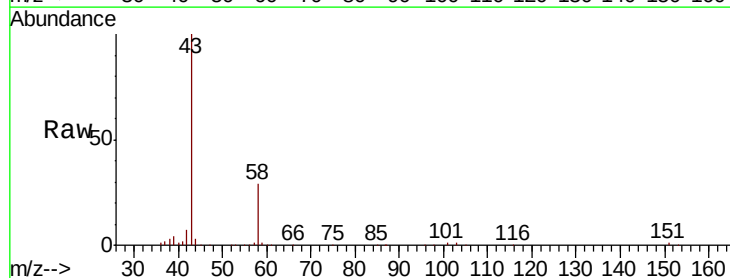
RT: 3.79 min Scan# 628

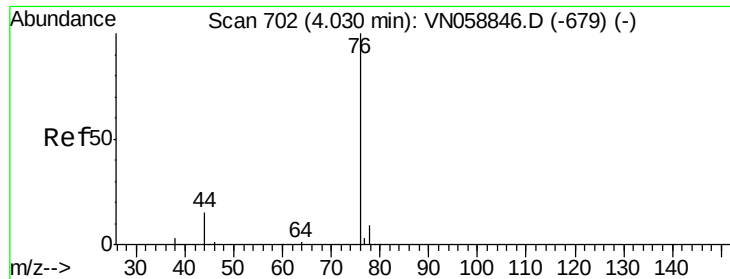
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	43	Resp:	509371
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.1	34.7





#17

Carbon Disulfide

Concen: 46.118 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 519981

Ion Ratio Lower Upper

76 100

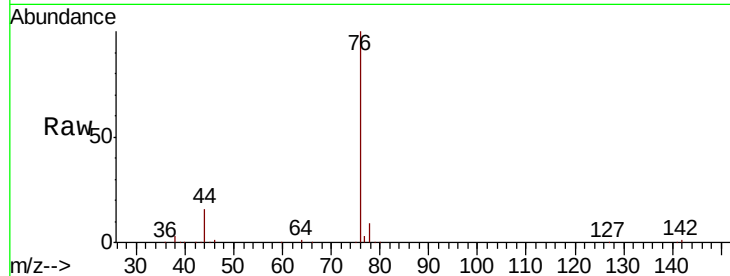
78 9.1 7.1 10.7

Manual Integrations

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10/25/2019 2:44:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)

4.03

200000

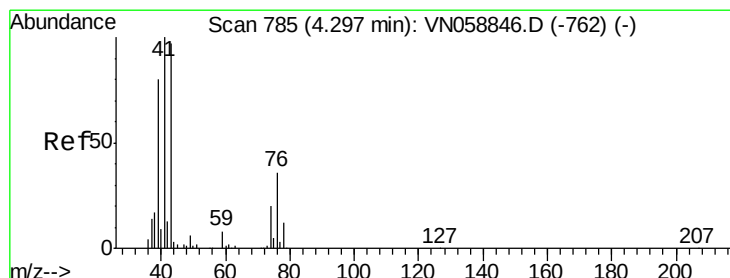
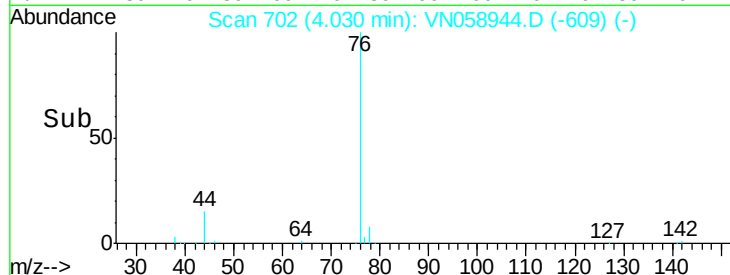
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.824 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058944.D

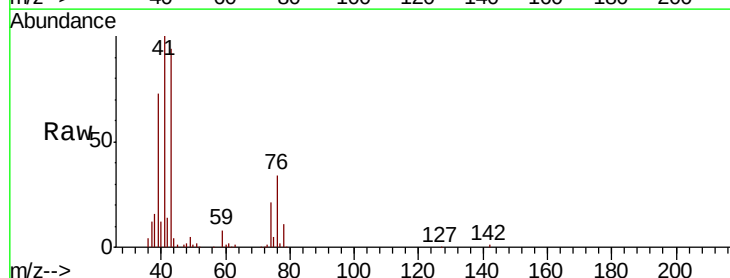
Acq: 23 Oct 2019 20:54

Tgt Ion: 43 Resp: 297335

Ion Ratio Lower Upper

43 100

74 21.7 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)

4.30

120000

100000

80000

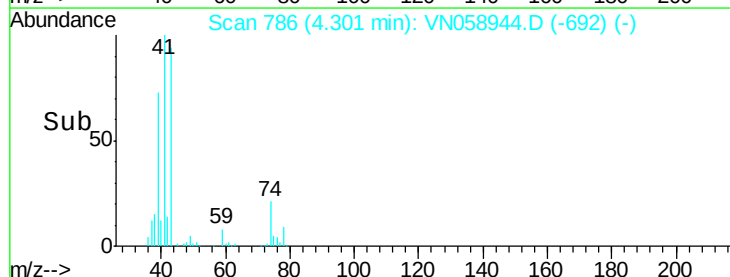
60000

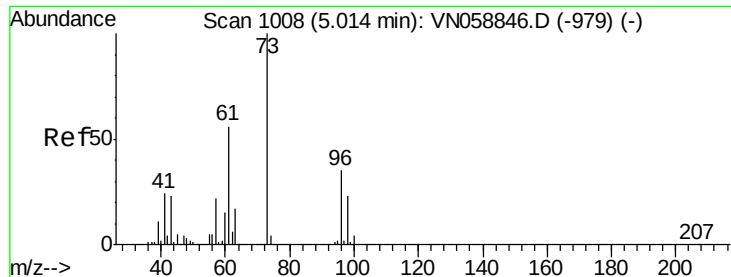
40000

20000

0

Time-->





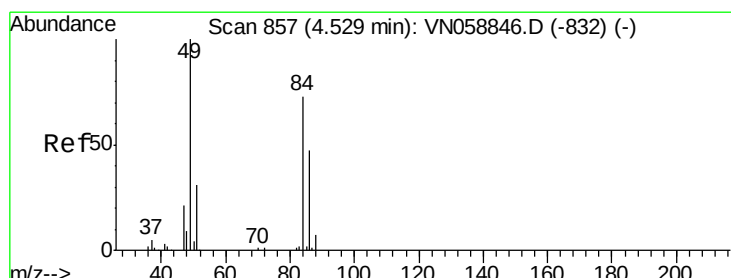
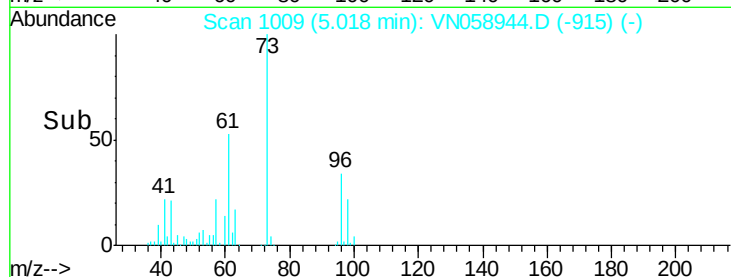
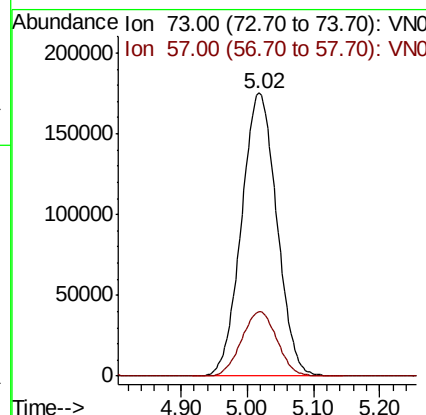
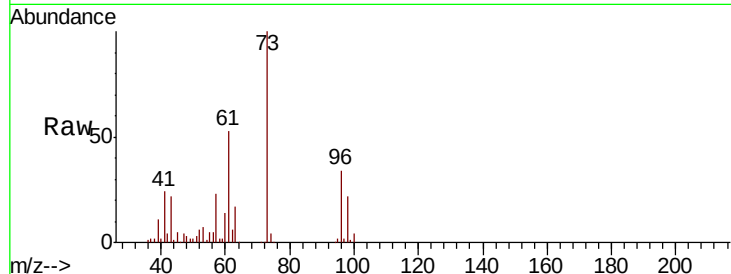
#19
Methvl tert-butvl Ether
Concen: 52.966 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 649163
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

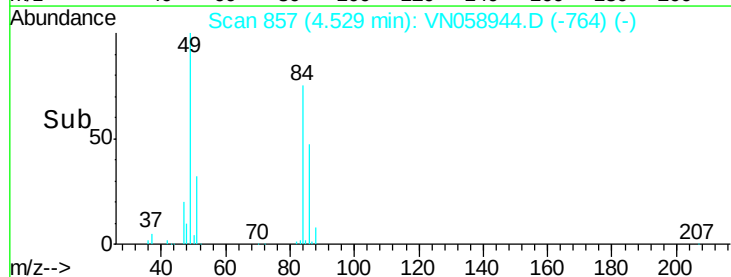
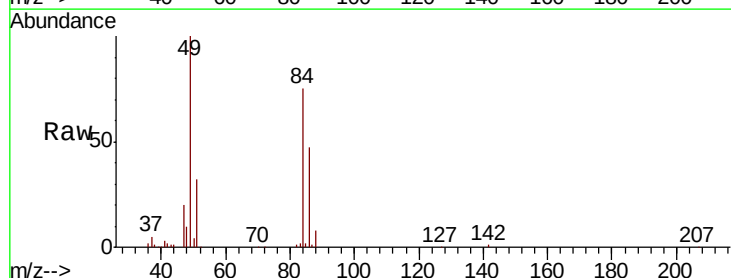
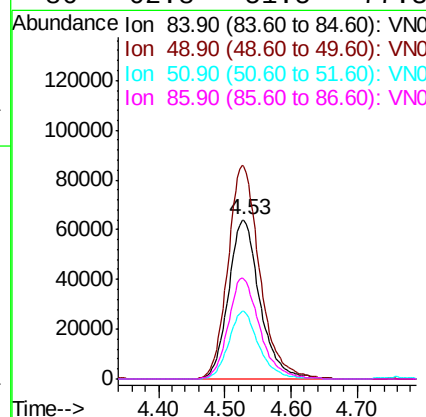
Manual Integrations
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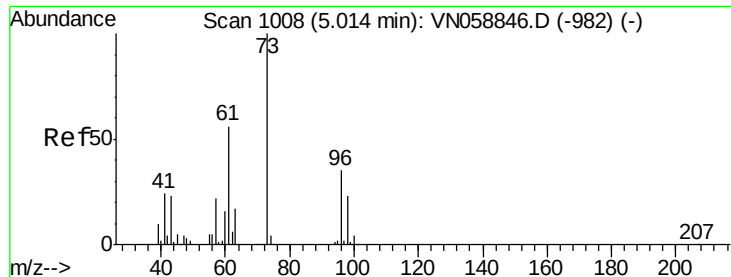
MMDadoda
10/25/2019 2:44:00 PM



#20
Methylene Chloride
Concen: 47.900 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 84 Resp: 210465
Ion Ratio Lower Upper
84 100
49 133.2 109.6 164.4
51 42.5 33.8 50.6
86 62.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.611 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 191771

Ion Ratio Lower Upper

96 100

61 155.0 126.7 190.1

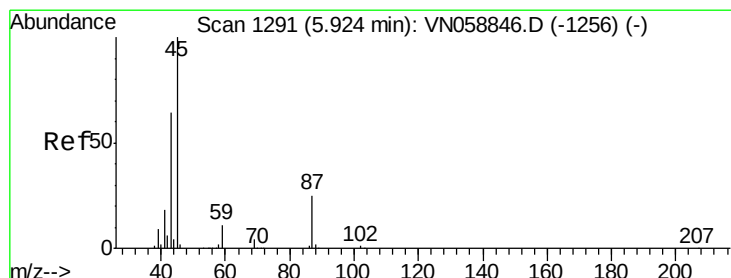
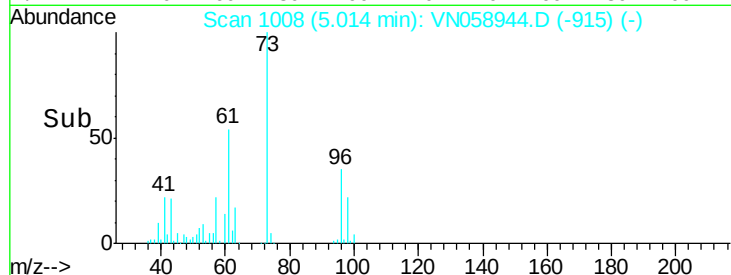
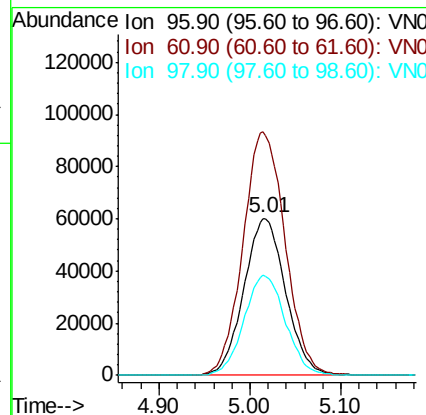
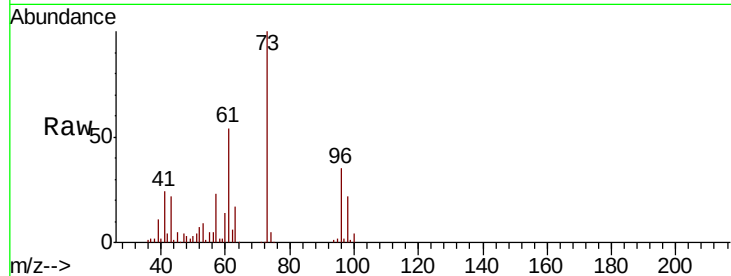
98 63.8 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.690 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion: 45 Resp: 743804

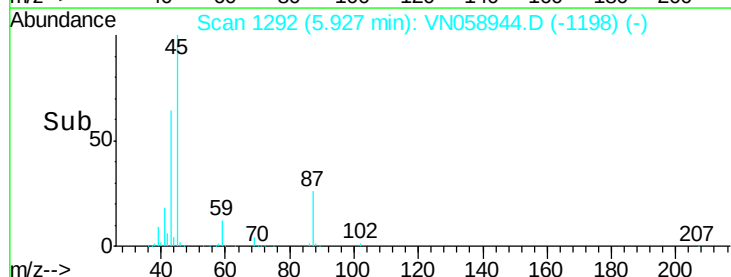
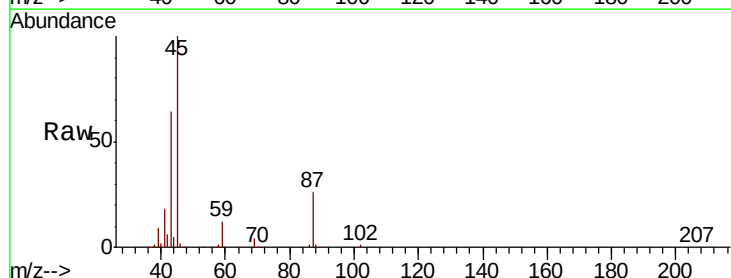
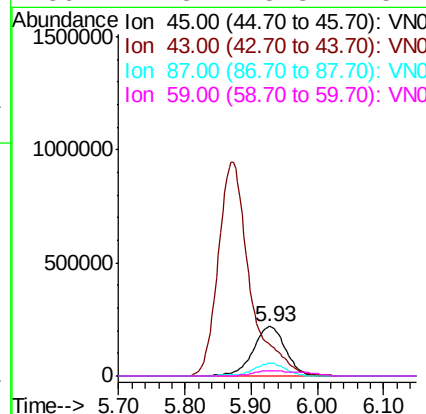
Ion Ratio Lower Upper

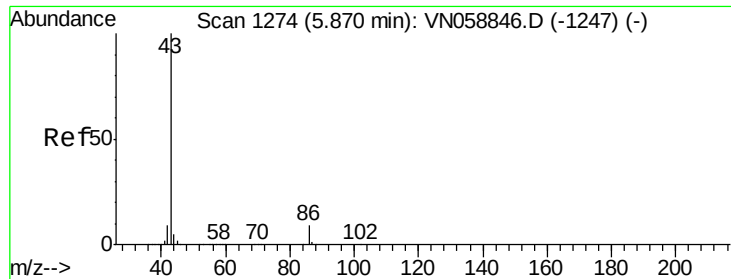
45 100

43 62.8 52.9 79.3

87 26.2 20.2 30.4

59 11.3 8.8 13.2





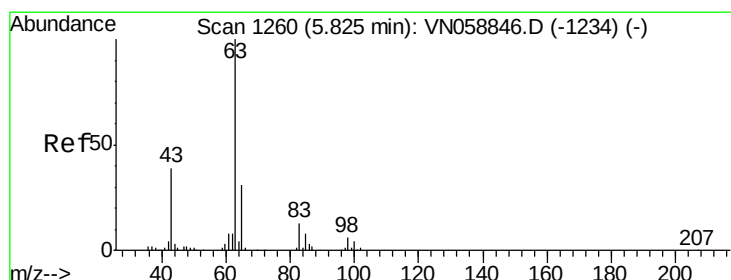
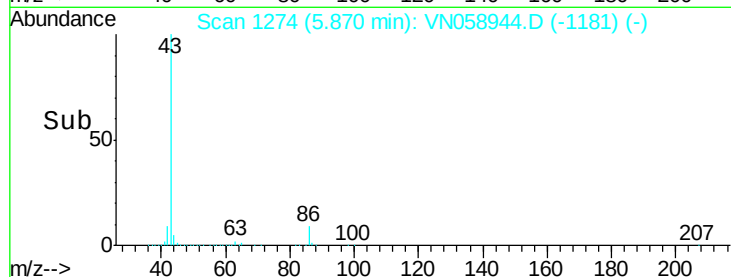
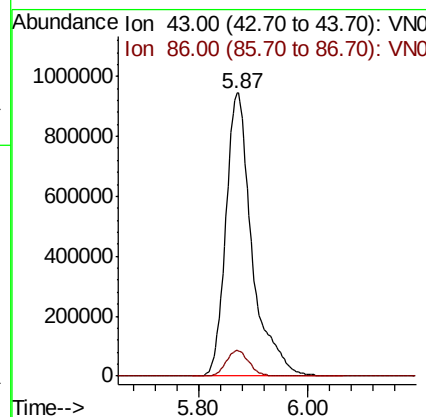
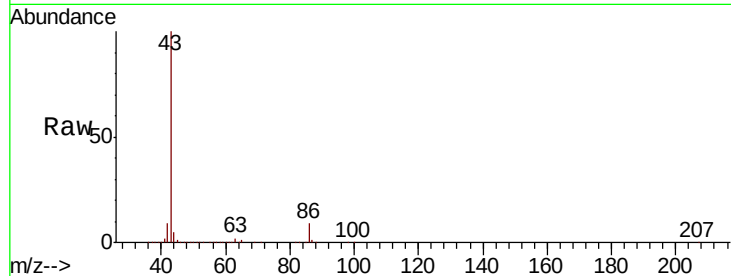
#23
 Vinyl Acetate
 Concen: 282.177 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3140744
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8

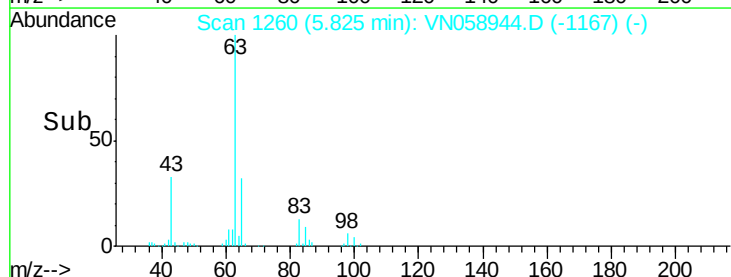
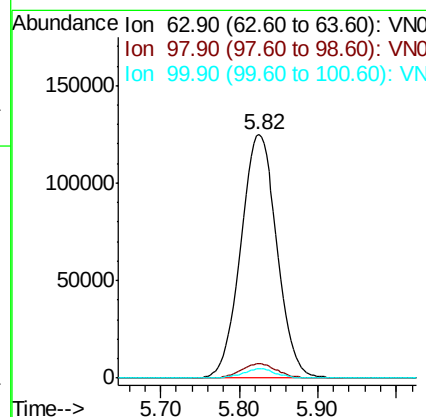
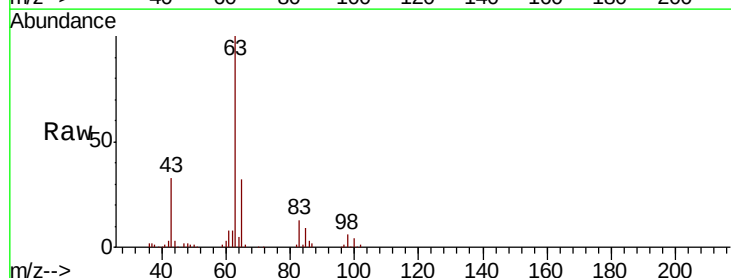
Manual Integrations
 APPROVED

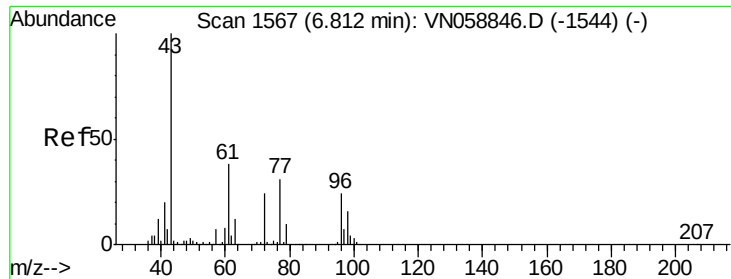
MMDadoda
 10/25/2019 2:44:00 PM



#24
 1,1-Dichloroethane
 Concen: 50.081 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 63 Resp: 402302
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 241.091 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 805319

Ion Ratio Lower Upper

43 100

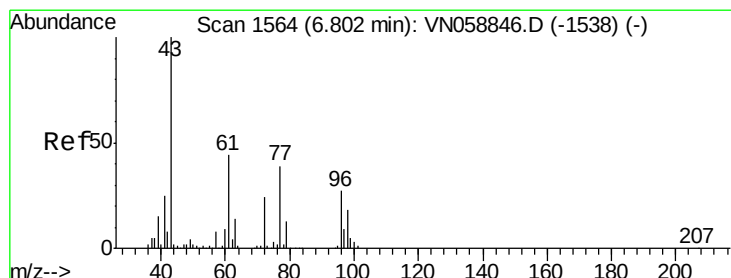
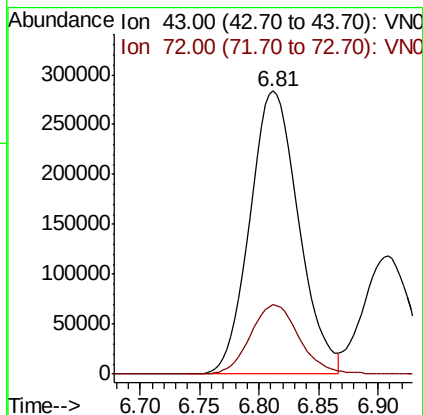
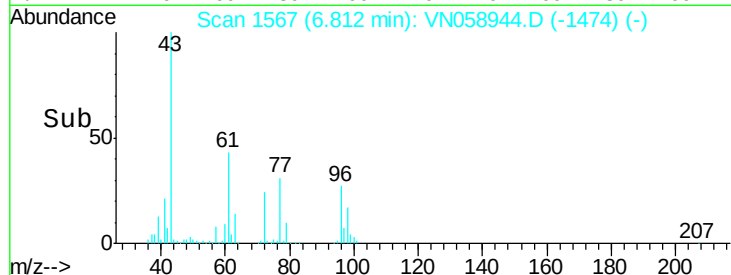
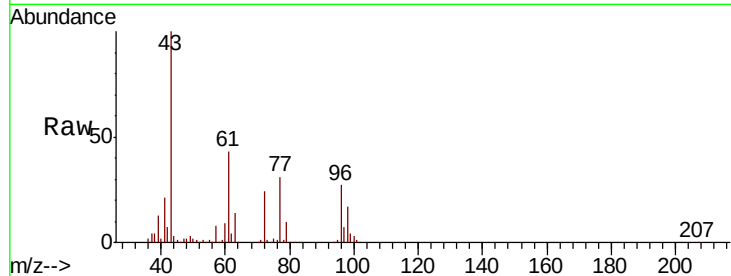
72 24.4 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

10/25/2019 2:44:00 PM



#26

2,2-Dichloropropane

Concen: 44.880 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058944.D

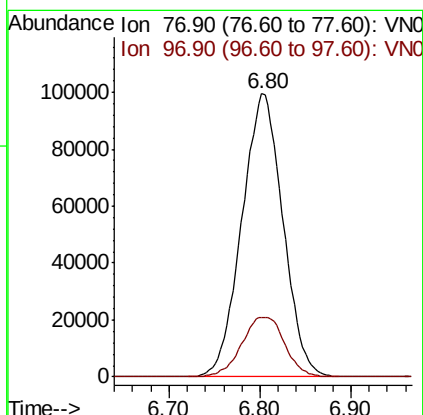
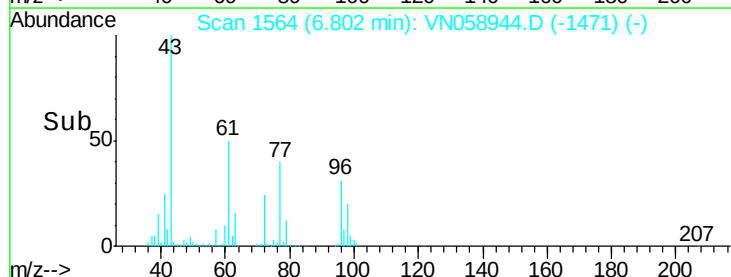
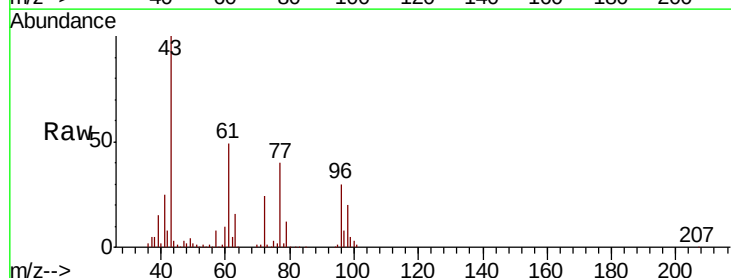
Acq: 23 Oct 2019 20:54

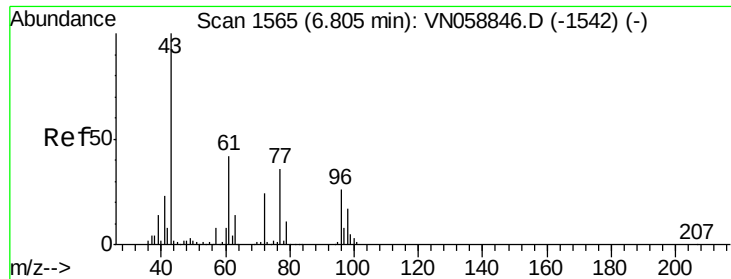
Tgt Ion: 77 Resp: 311836

Ion Ratio Lower Upper

77 100

97 22.2 10.6 31.8





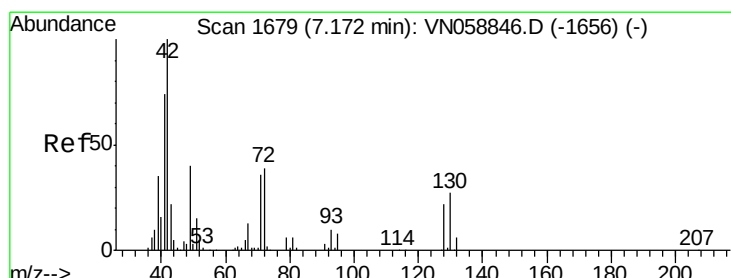
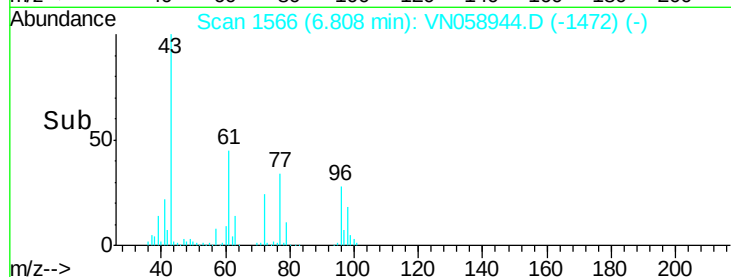
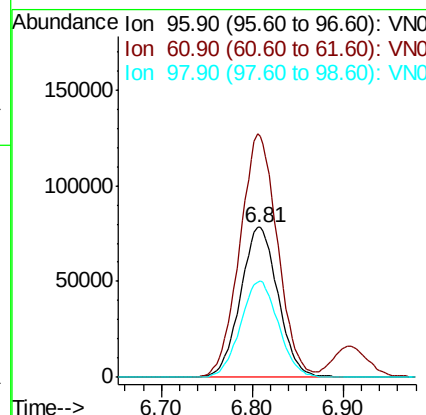
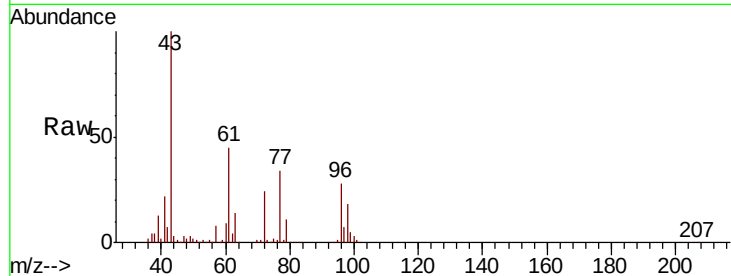
#27
 cis-1,2-Dichloroethene
 Concen: 50.767 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	224173		
61	163.0		0.0	325.0
98	64.7		0.0	128.0

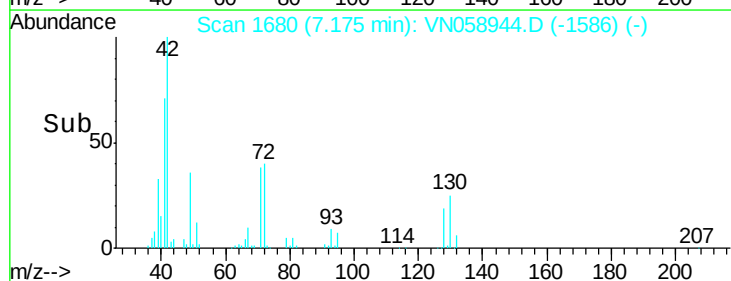
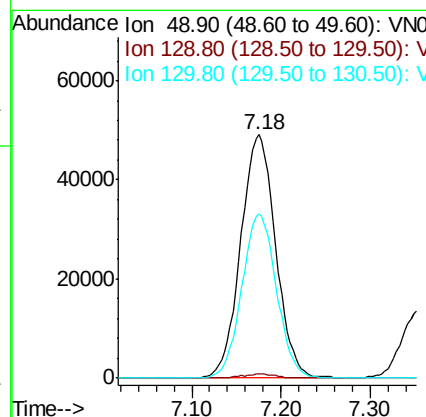
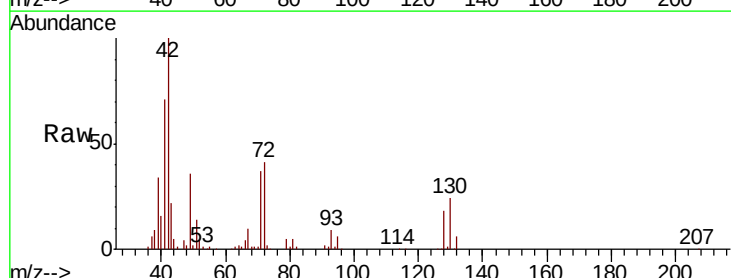
Manual Integrations
 APPROVED

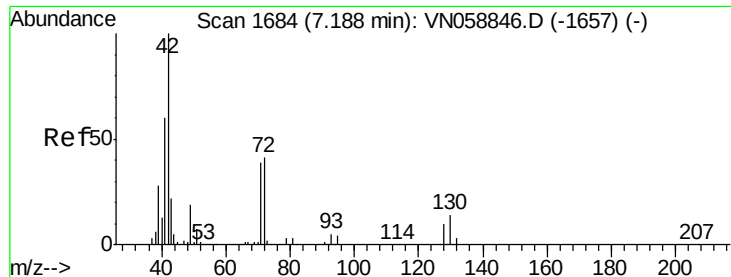
MMDadoda
 10/25/2019 2:44:00 PM



#28
 Bromochloromethane
 Concen: 50.056 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133915		
129	1.5		0.0	3.2
130	66.7		53.5	80.3





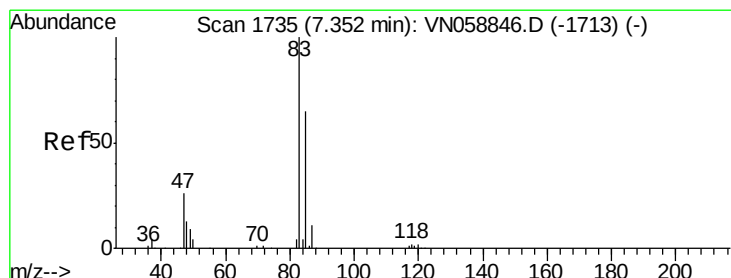
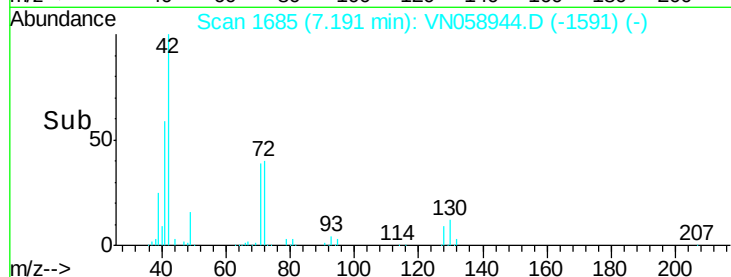
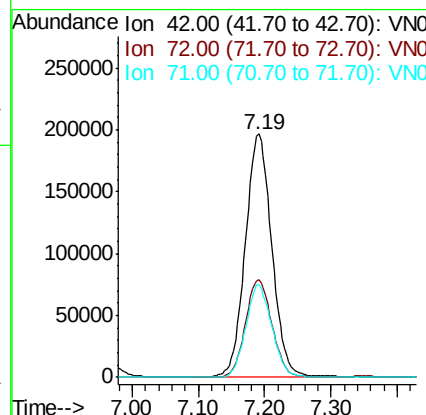
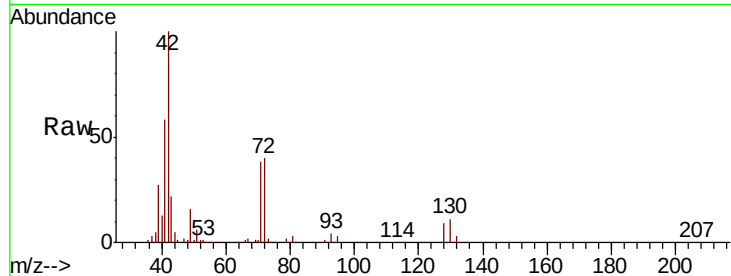
#29
Tetrahydrofuran
Concen: 268.437 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.2
71	37.3	30.6	45.8

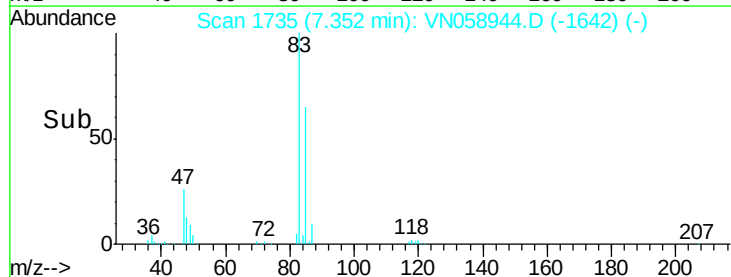
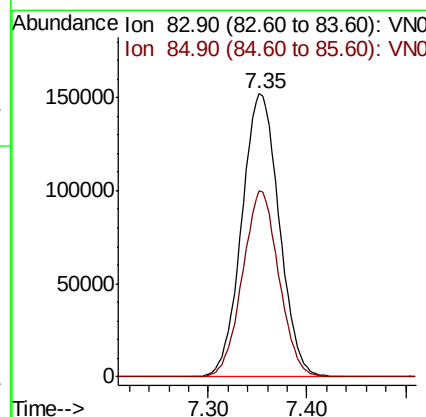
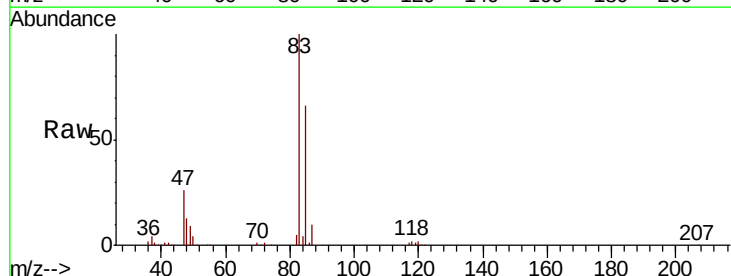
Manual Integrations
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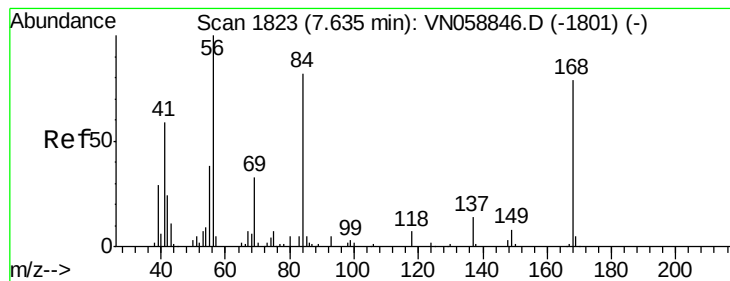
MMDadoda
10/25/2019 2:44:00 PM



#30
Chloroform
Concen: 49.541 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





#31

Cyclohexane

Concen: 47.243 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

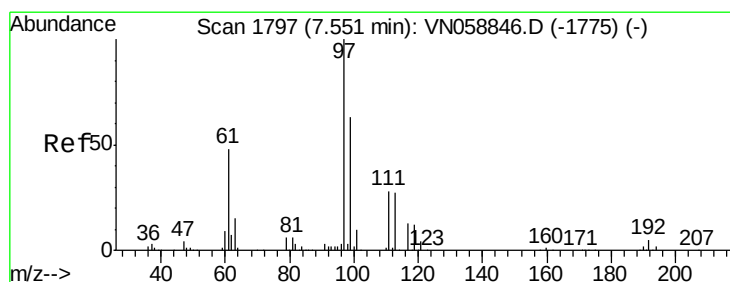
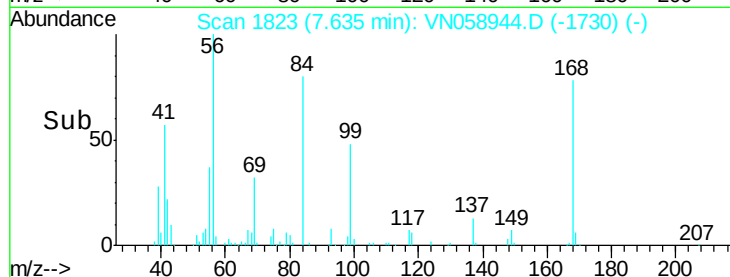
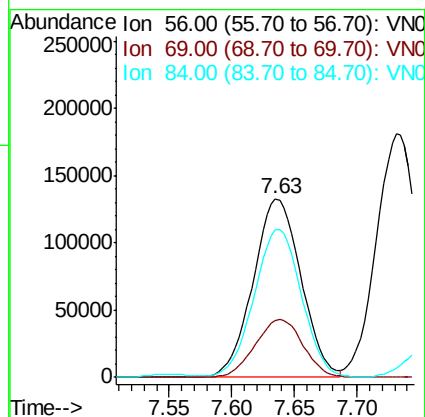
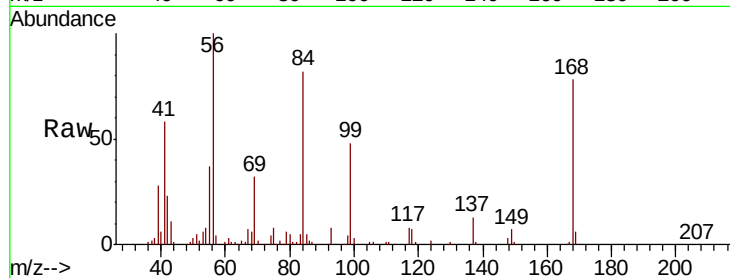
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	353548
Ion Ratio	Lower	Upper	
56	100		
69	32.1	26.2	39.4
84	81.3	65.6	98.4

Manual Integrations
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10/25/2019 2:44:00 PM



#32

1,1,1-Trichloroethane

Concen: 50.039 ug/l

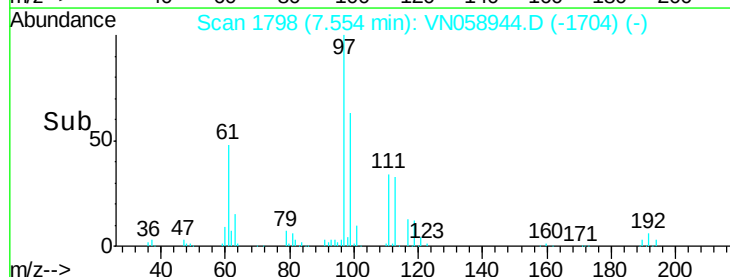
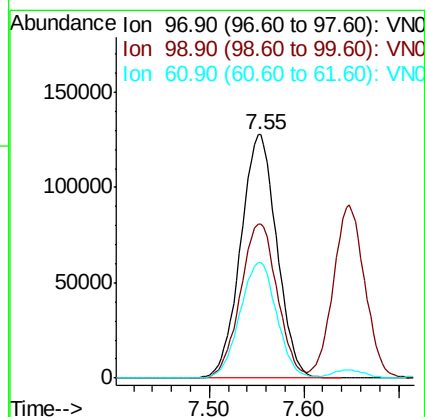
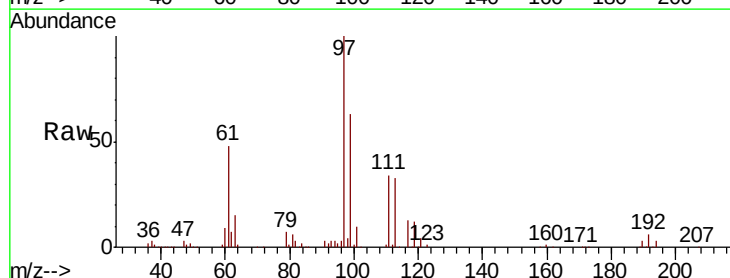
RT: 7.55 min Scan# 1798

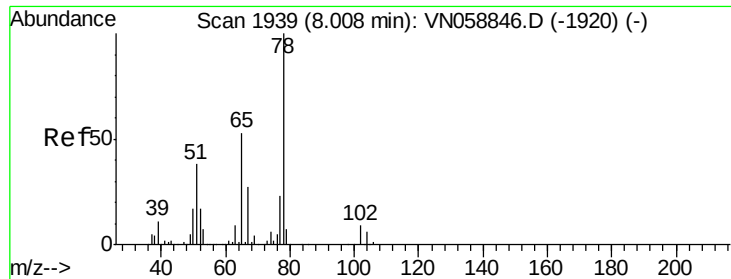
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	97	Resp:	339861
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.0	76.4
61	48.2	38.6	58.0





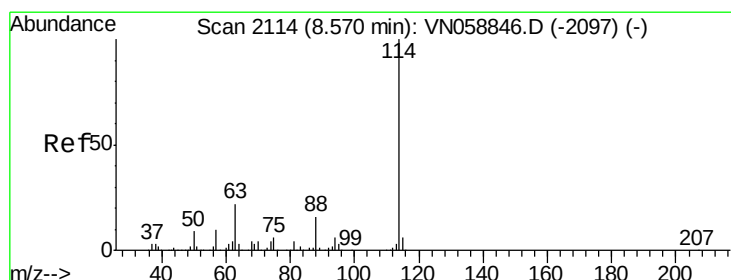
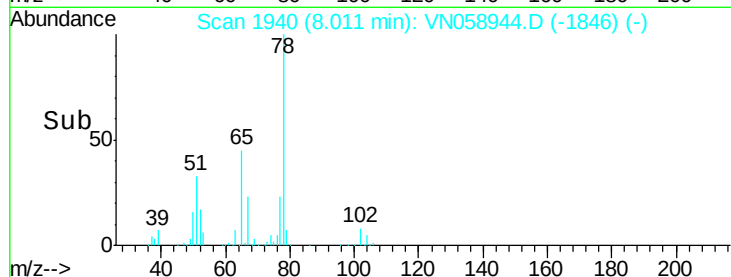
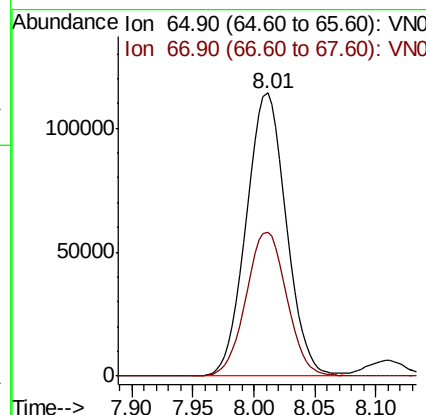
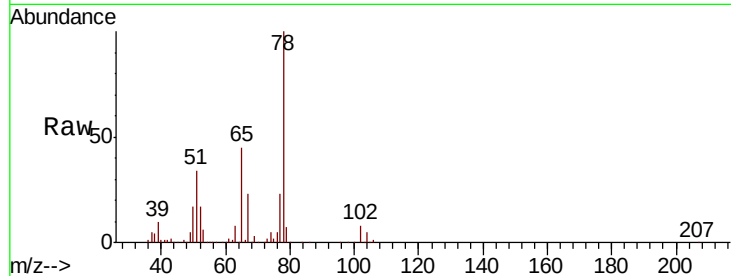
#33
 1,2-Dichloroethane-d4
 Concen: 49.871 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.2

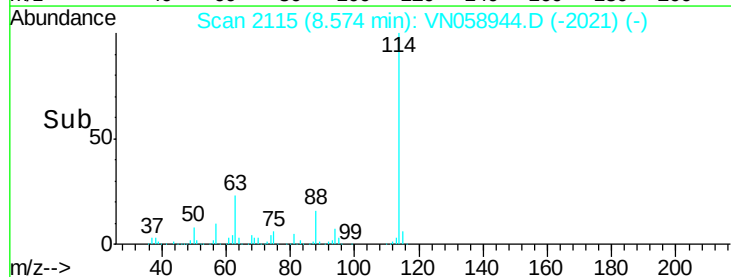
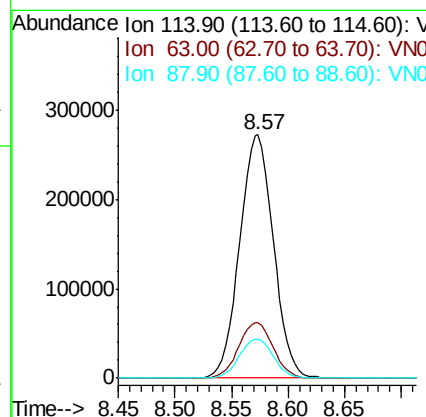
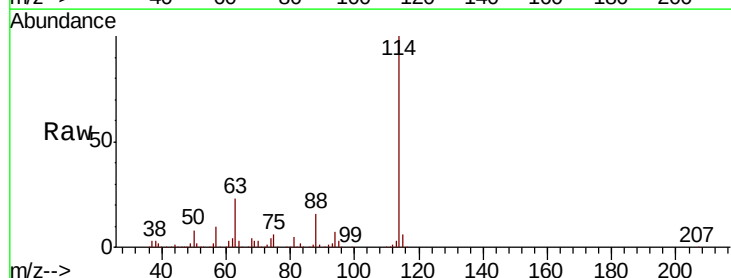
Manual Integrations
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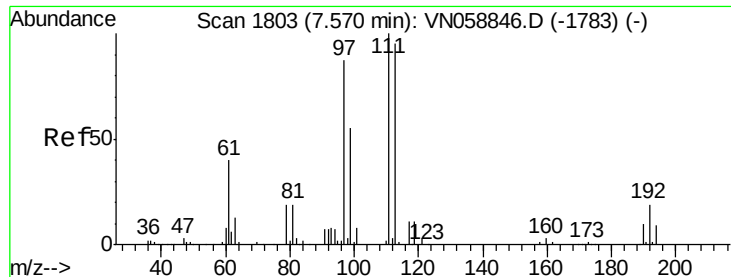
MMDadoda
 10/25/2019 2:44:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.4
88	16.2	0.0	31.4





#35

Dibromofluoromethane

Concen: 50.235 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

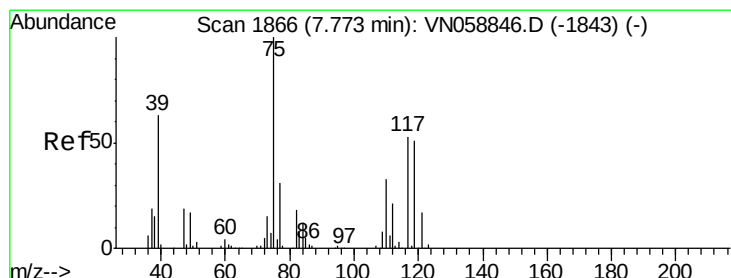
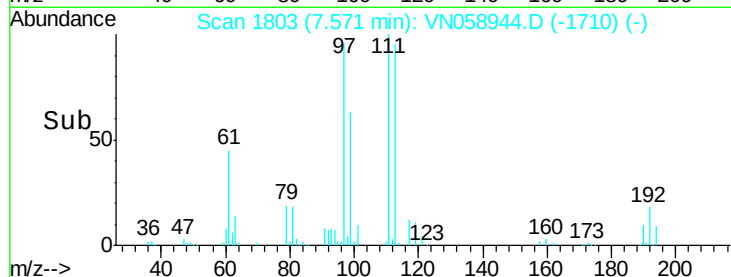
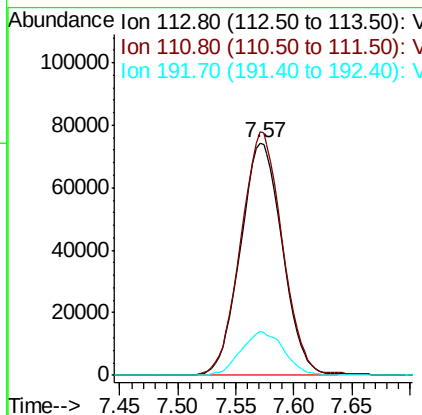
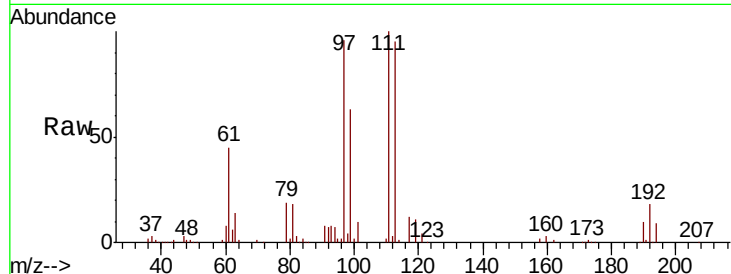
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	186866
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.0	123.0
192	19.2	15.0	22.6

Manual Integrations
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10/25/2019 2:44:00 PM



#36

1,1-Dichloropropene

Concen: 51.470 ug/l

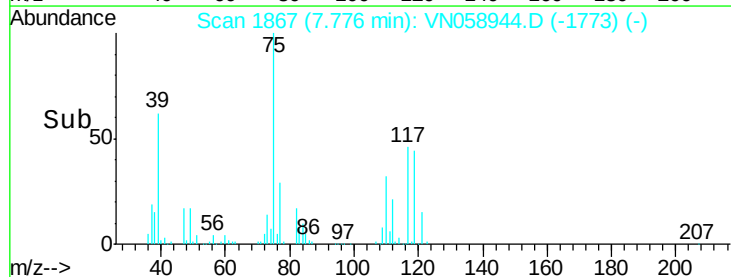
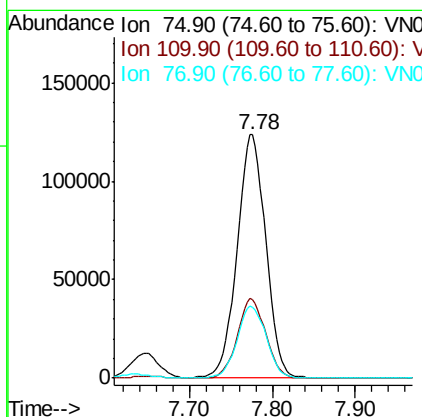
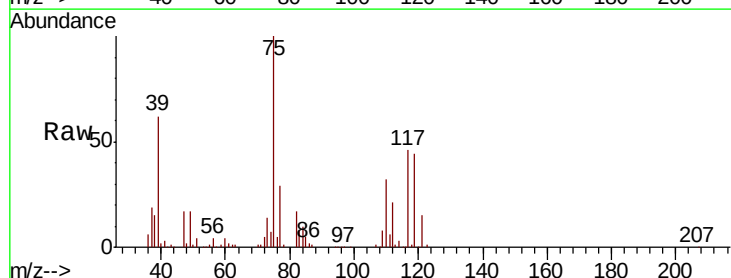
RT: 7.78 min Scan# 1867

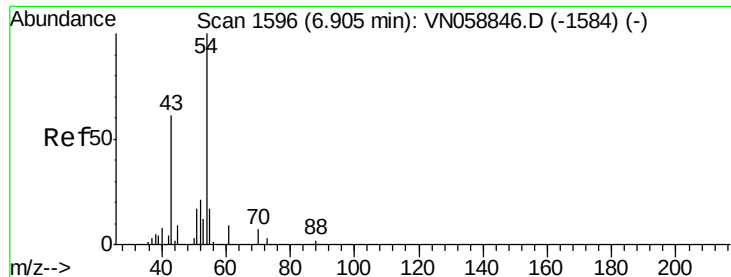
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	75	Resp:	298134
Ion Ratio	Lower	Upper	
75	100		
110	32.1	16.3	48.9
77	30.2	24.6	36.8





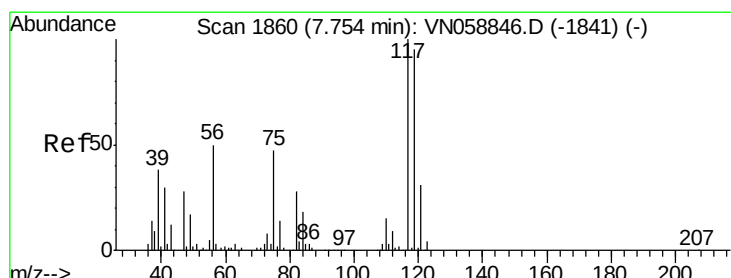
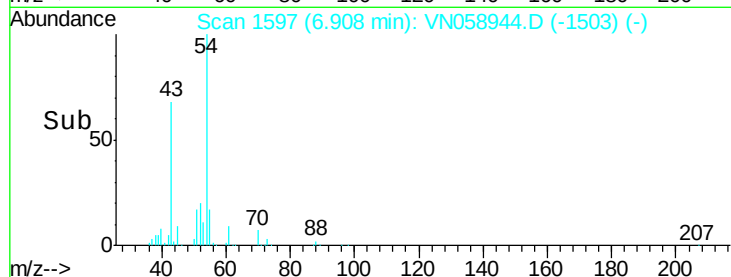
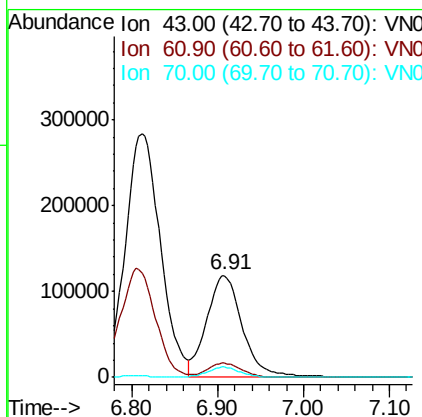
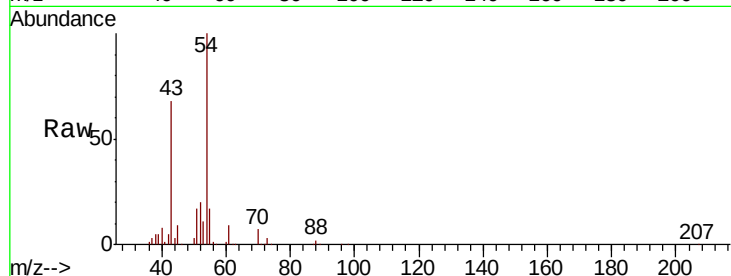
#37
Ethyl Acetate
Concen: 53.786 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.4	7.6	11.4

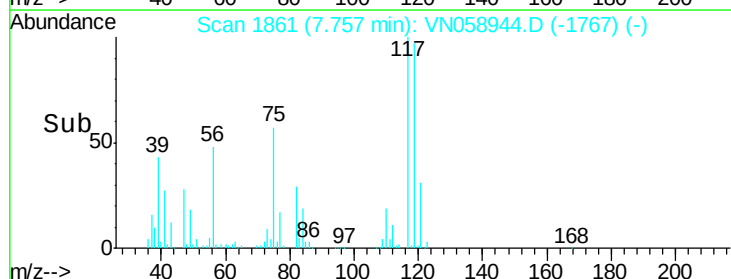
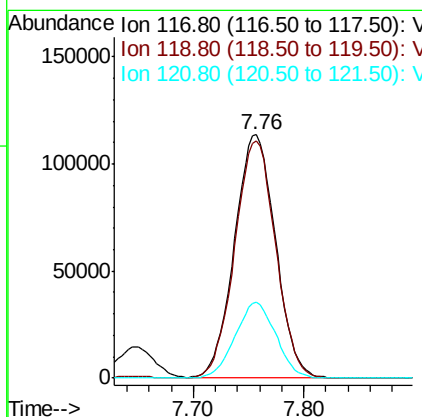
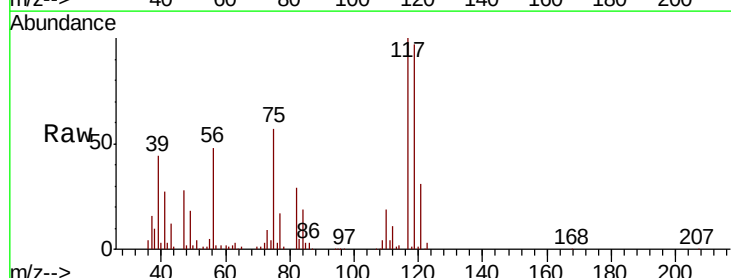
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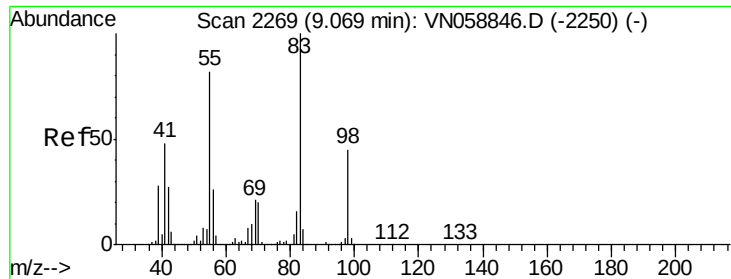
MMDadoda
10/25/2019 2:44:00 PM



#38
Carbon Tetrachloride
Concen: 49.254 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.7	113.5
121	31.3	25.0	37.6





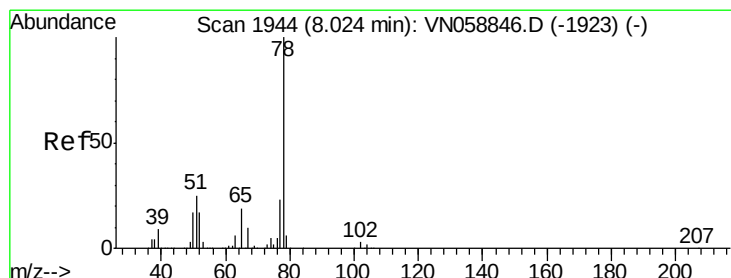
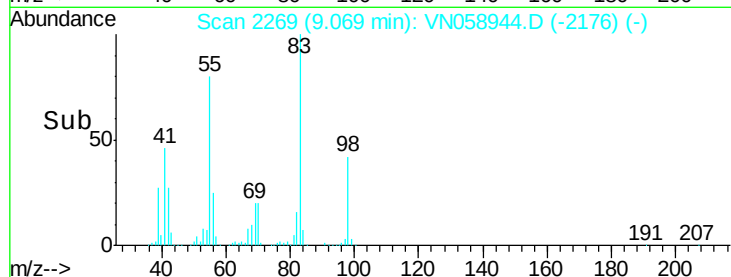
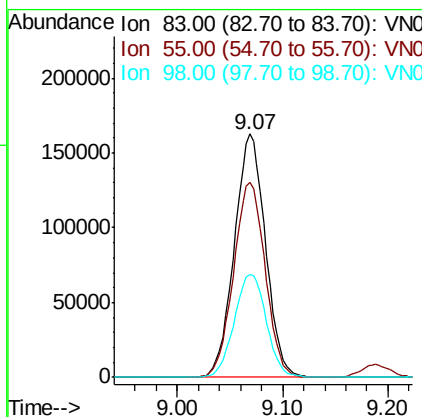
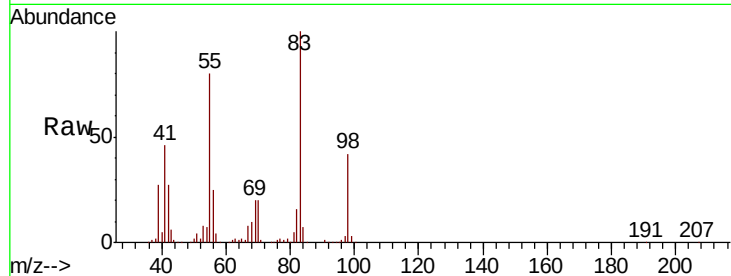
#39
Methylvlcyclohexane
Concen: 51.041 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	65.5	98.3
98	42.4	35.7	53.5

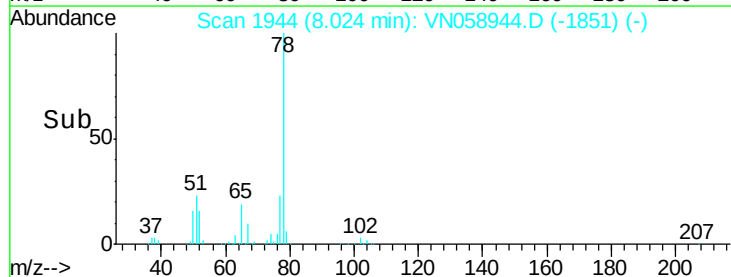
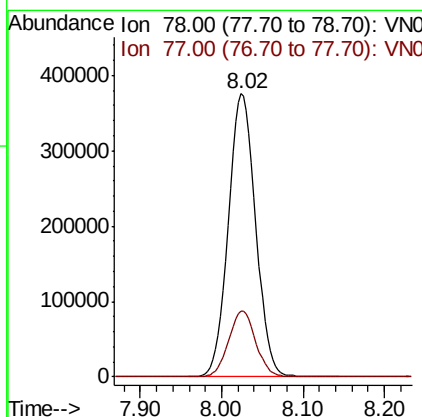
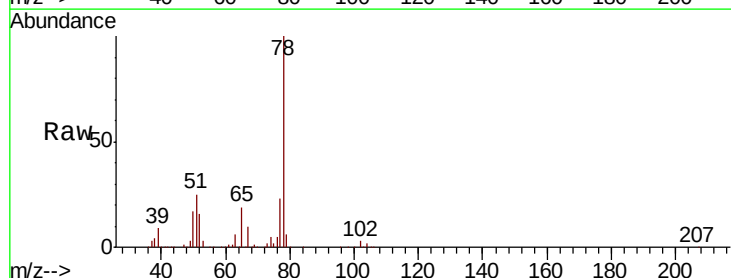
Manual Integrations
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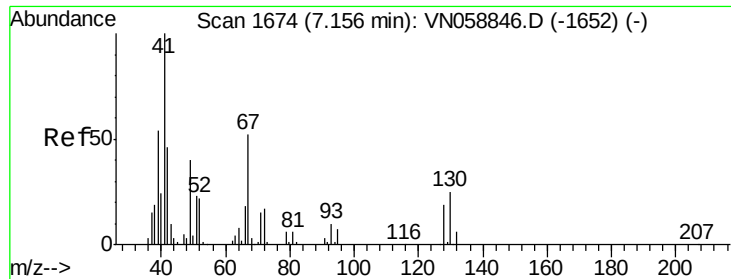
MMDadoda
10/25/2019 2:44:00 PM



#40
Benzene
Concen: 51.880 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





#41

Methacrylonitrile

Concen: 55.062 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 154780

Ion Ratio Lower Upper

41 100

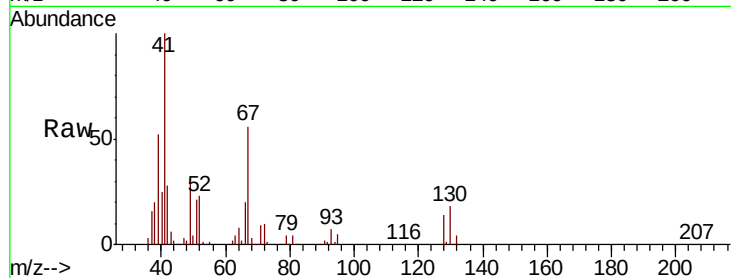
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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10/25/2019 2:44:00 PM

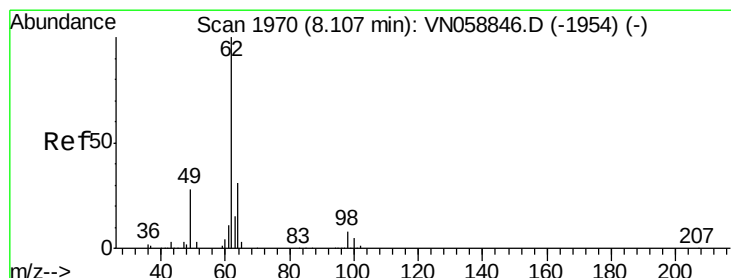
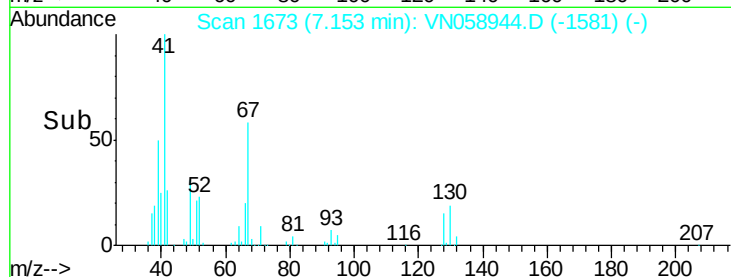
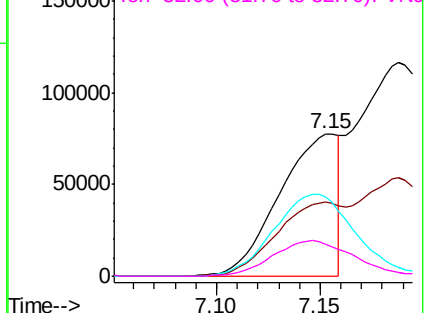


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 51.038 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN058944.D

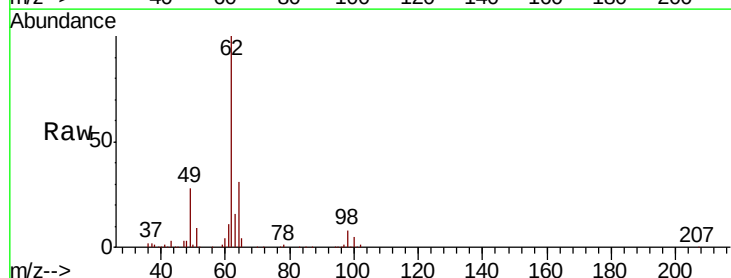
Acq: 23 Oct 2019 20:54

Tgt Ion: 62 Resp: 334409

Ion Ratio Lower Upper

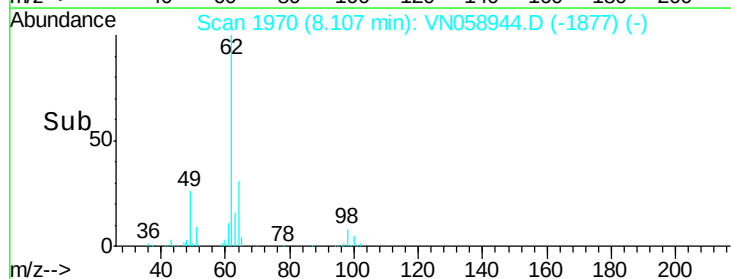
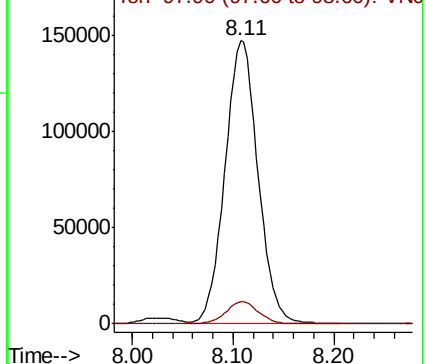
62 100

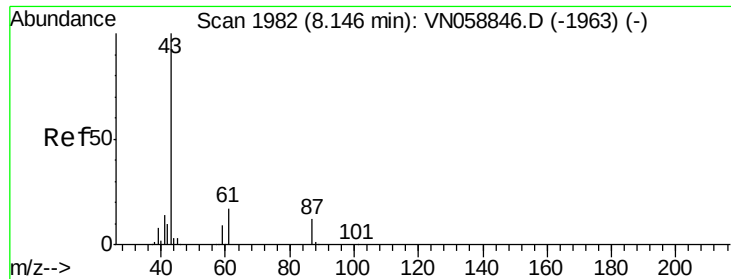
98 7.8 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 53.289 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

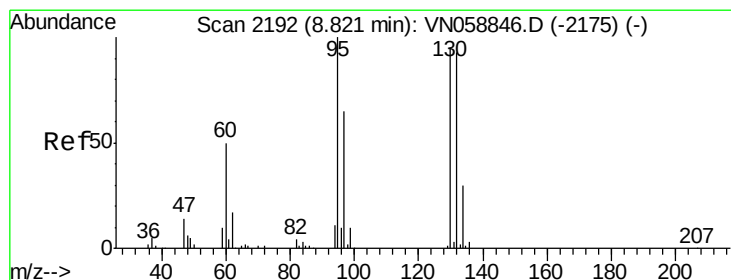
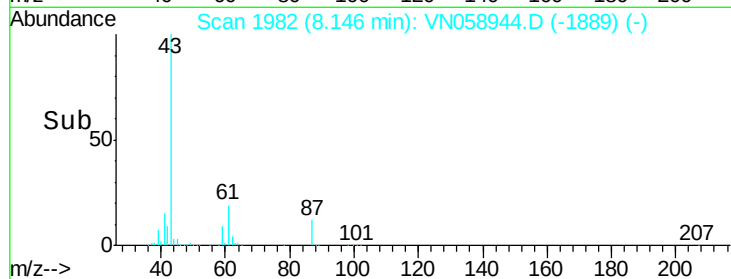
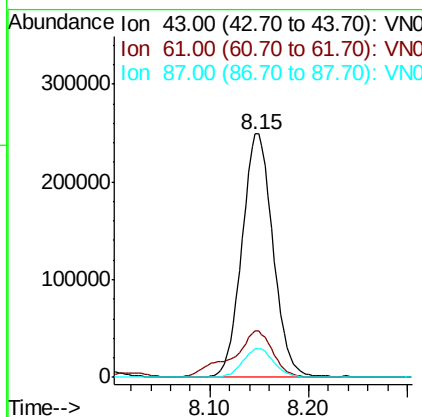
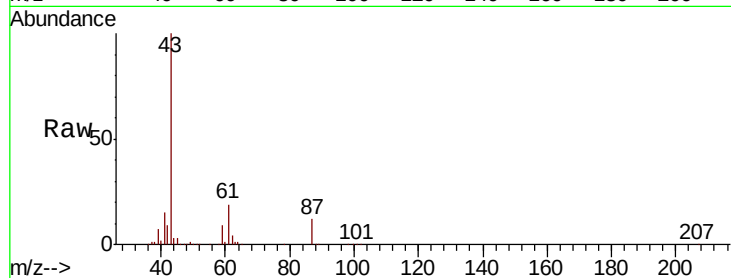
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	539404
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.2	30.2
87	11.8	9.5	14.3

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#44

Trichloroethene

Concen: 50.110 ug/l

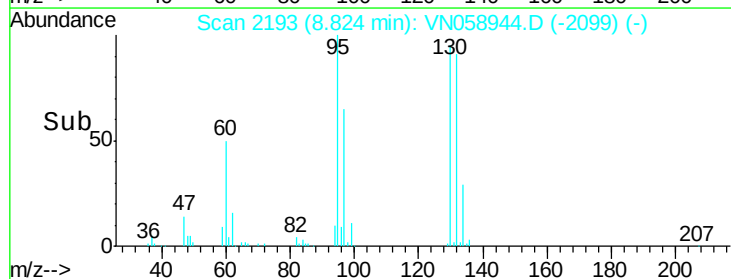
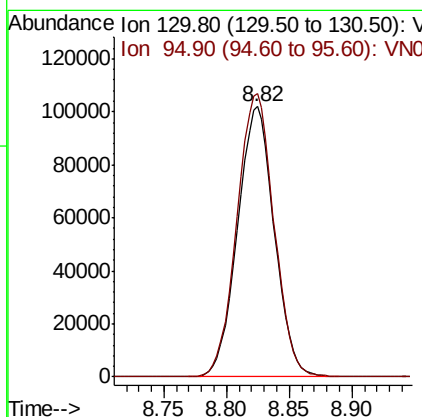
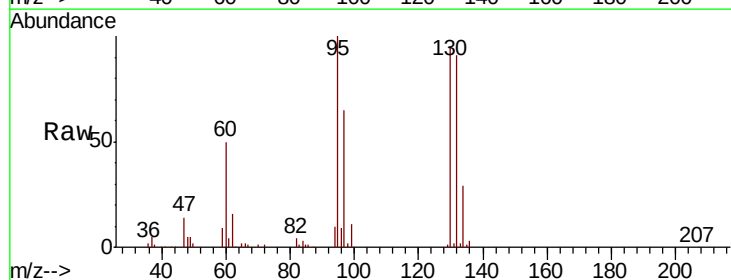
RT: 8.82 min Scan# 2193

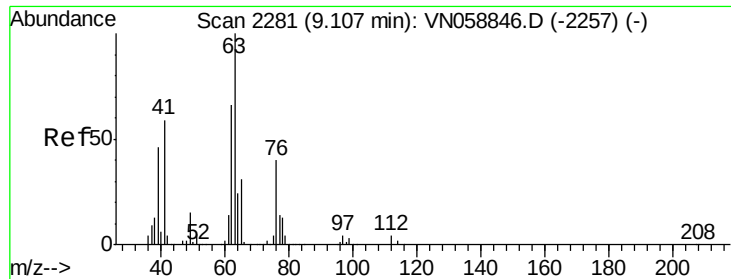
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	130	Resp:	207626
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	209.6





#45

1,2-Dichloropropane

Concen: 52.451 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 244643

Ion Ratio Lower Upper

63 100

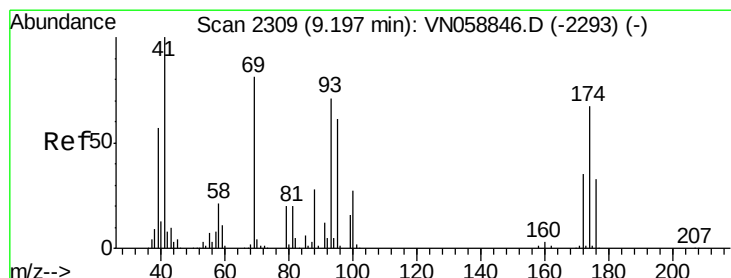
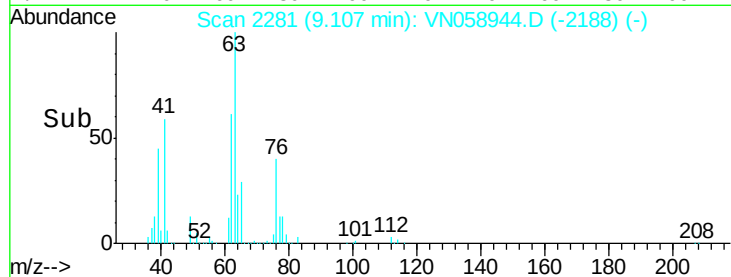
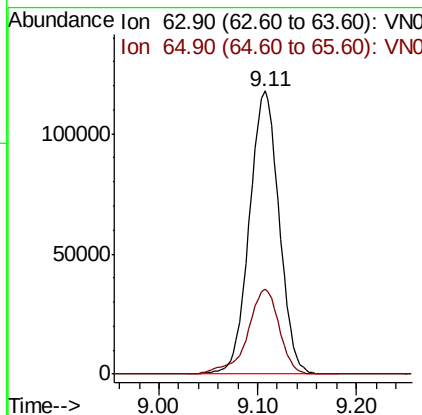
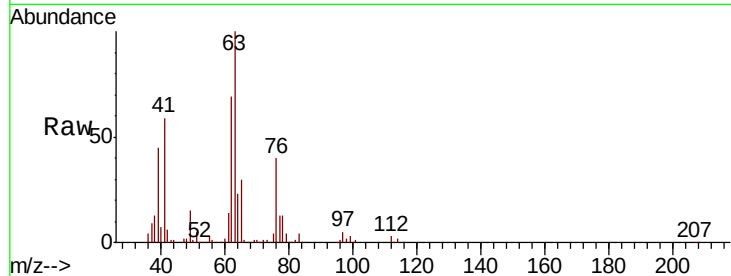
65 30.1 24.5 36.7

Manual Integrations

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MMDadoda

10/25/2019 2:44:00 PM



#46

Dibromomethane

Concen: 50.921 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

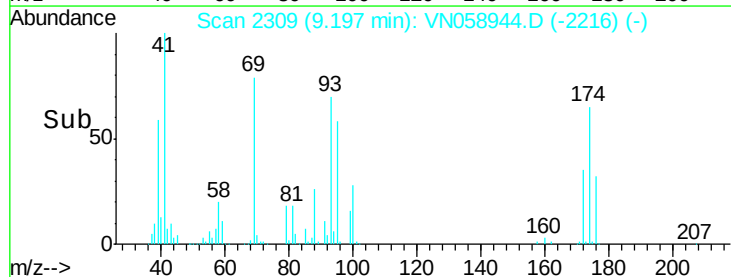
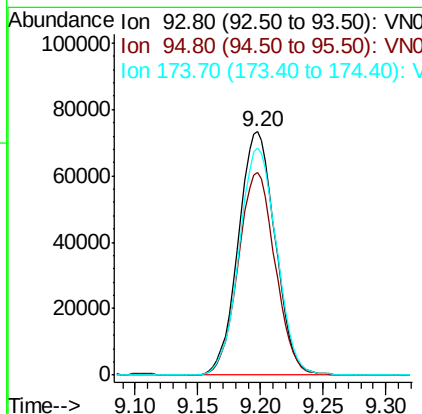
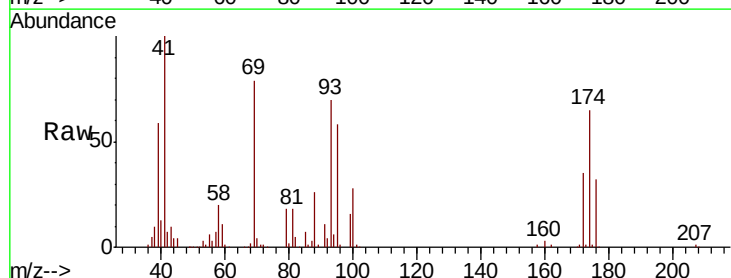
Tgt Ion: 93 Resp: 150145

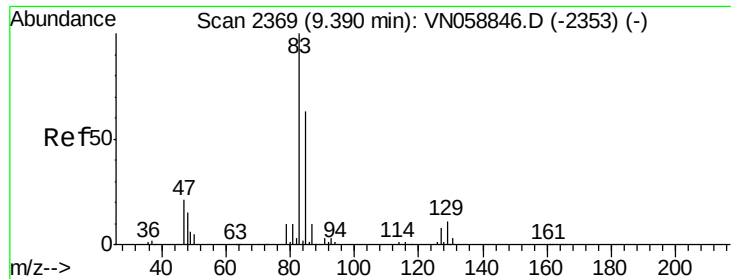
Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 94.4 74.1 111.1





#47

Bromodichloromethane

Concen: 52.628 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

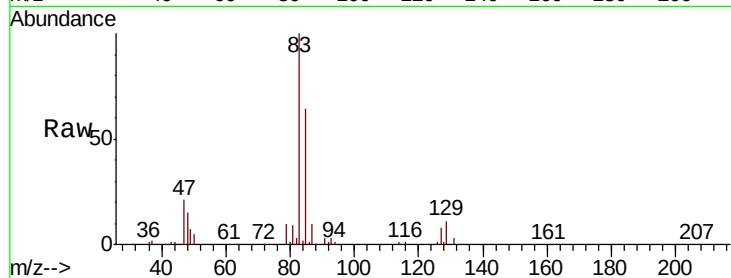
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	319836
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.6	75.8
127	8.3	6.5	9.7

Manual Integrations
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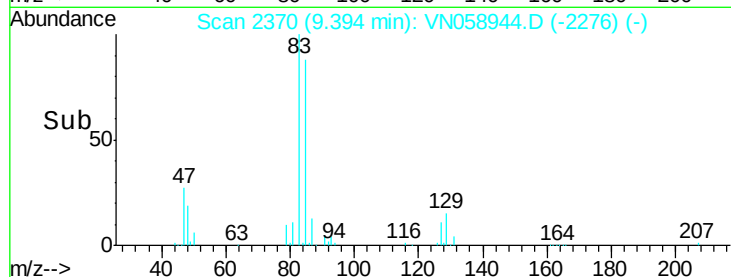


Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)

Time-->

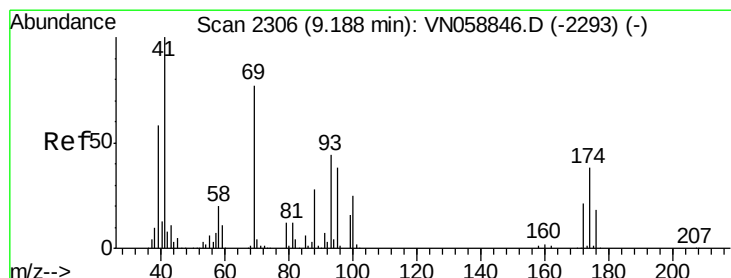


Abundance Ion 82.90 (82.60 to 83.60): VN058944.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058944.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058944.D (-2276) (-)

Time-->



#48

Methyl methacrylate

Concen: 54.993 ug/l

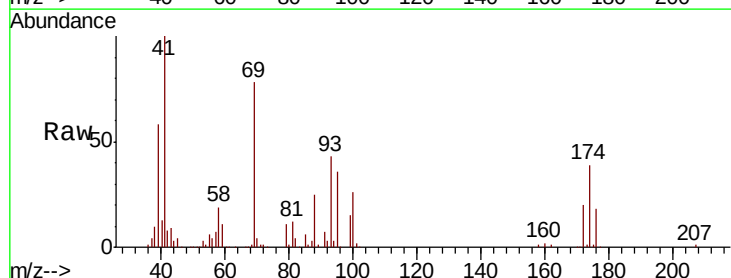
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	41	Resp:	252557
Ion Ratio	Lower	Upper	
41	100		
69	79.9	63.8	95.6
39	59.5	47.8	71.8

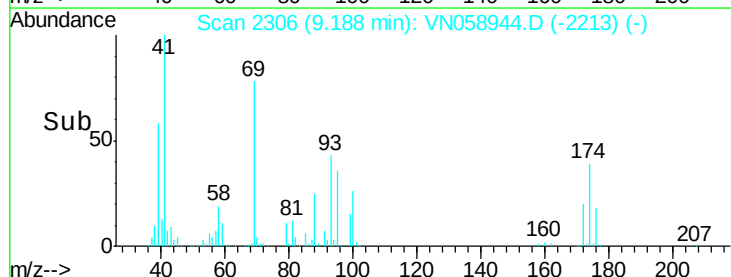


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

Time-->

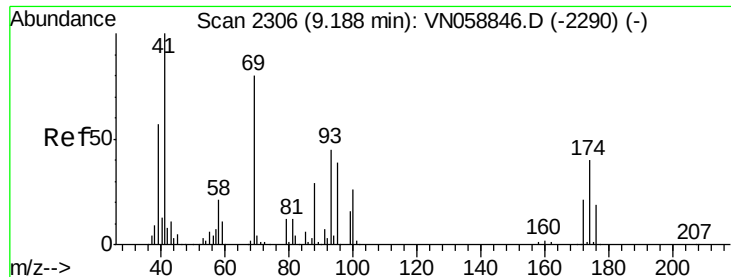


Abundance Ion 41.00 (40.70 to 41.70): VN058944.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058944.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058944.D (-2213) (-)

Time-->



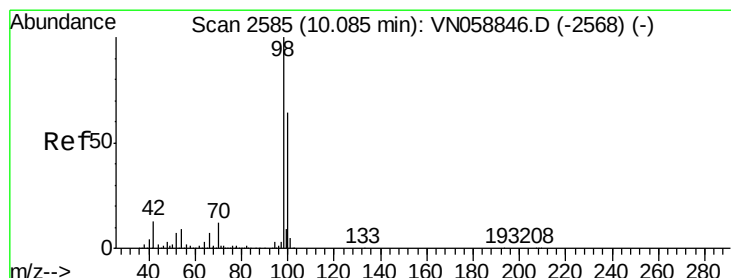
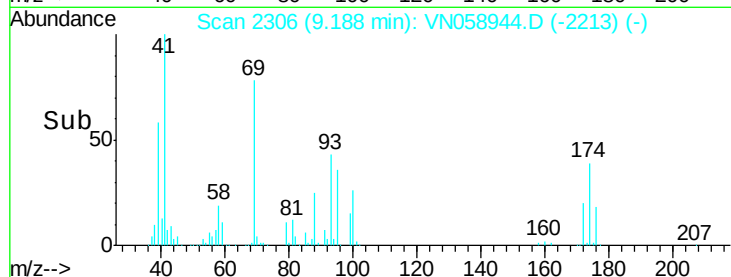
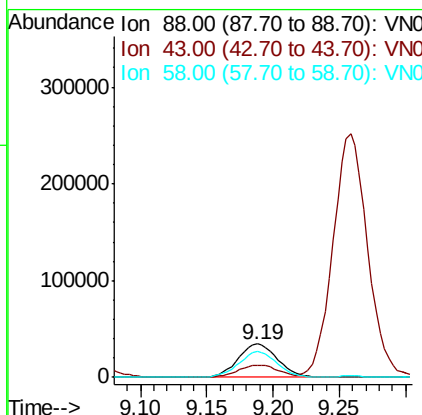
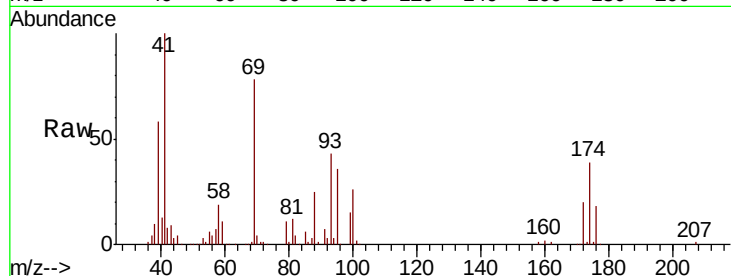
#49
1,4-Dioxane
Concen: 952.560 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.1	43.7
58	75.0	59.4	89.0

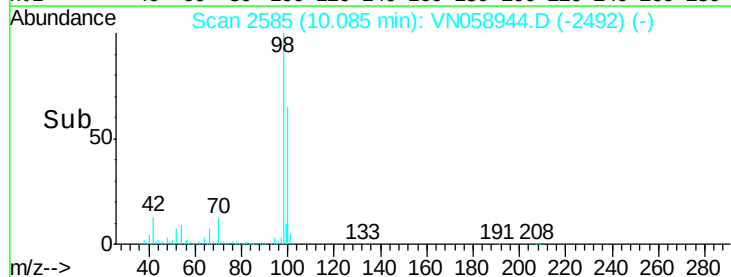
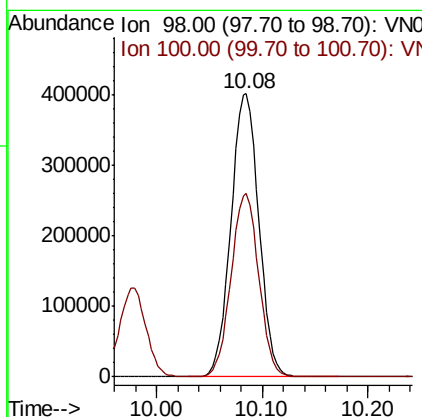
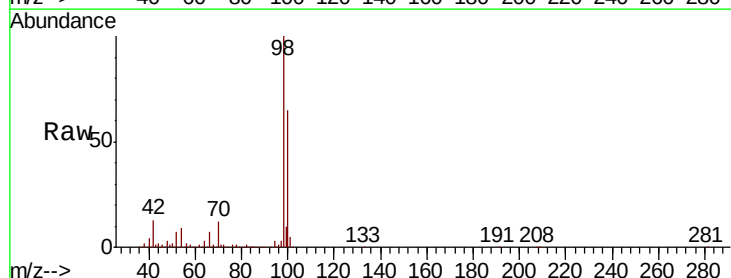
Manual Integrations
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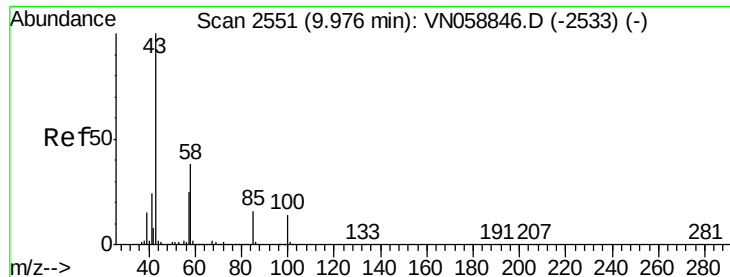
MMDadoda
10/25/2019 2:44:00 PM



#50
Toluene-d8
Concen: 50.936 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 291.969 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1726231

Ion Ratio Lower Upper

43 100

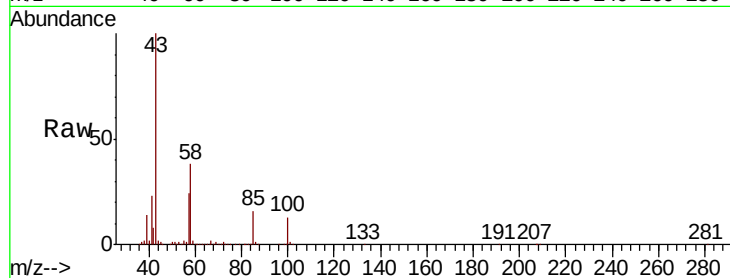
58 37.3 29.9 44.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

1000000

800000

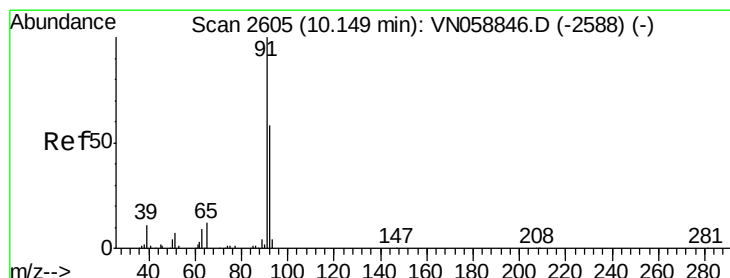
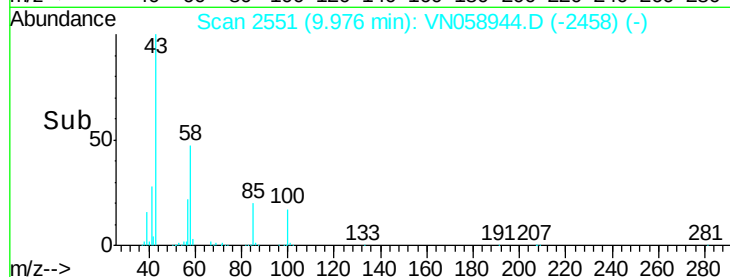
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.954 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058944.D

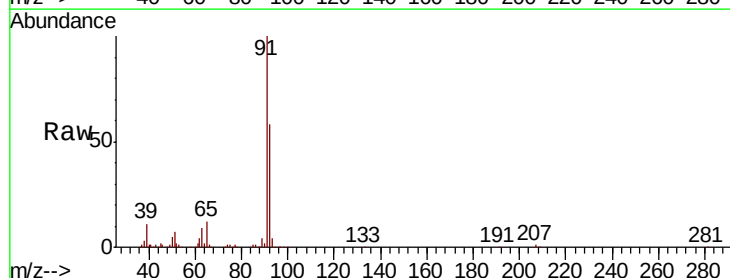
Acq: 23 Oct 2019 20:54

Tgt Ion: 92 Resp: 544219

Ion Ratio Lower Upper

92 100

91 175.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

600000

500000

400000

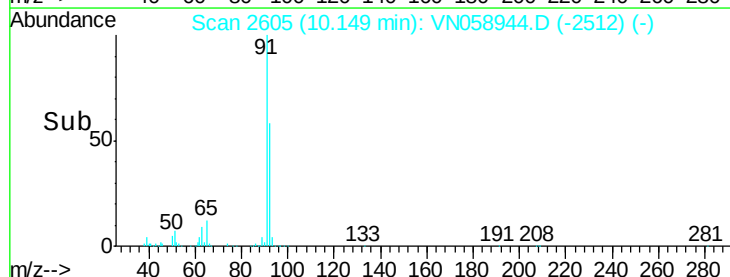
300000

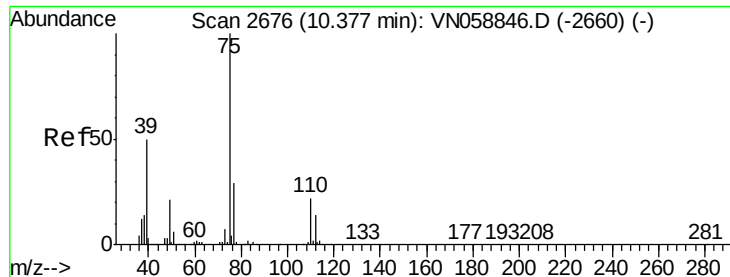
200000

100000

0

Time-->





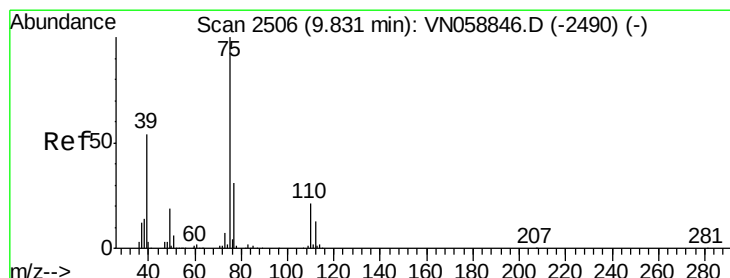
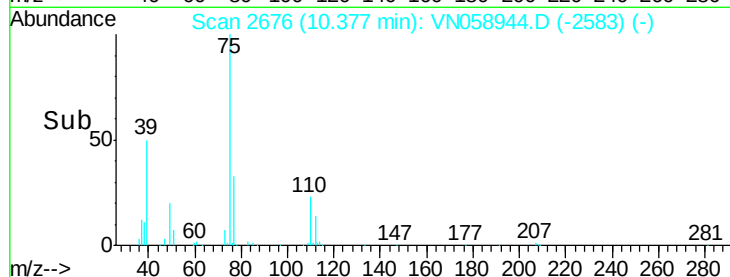
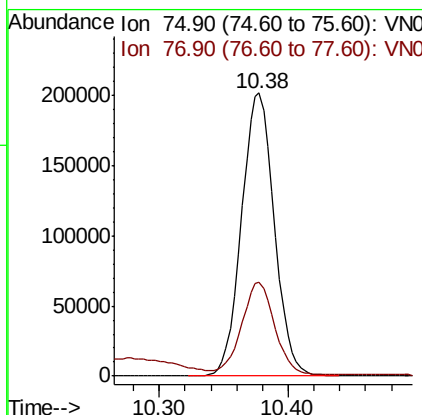
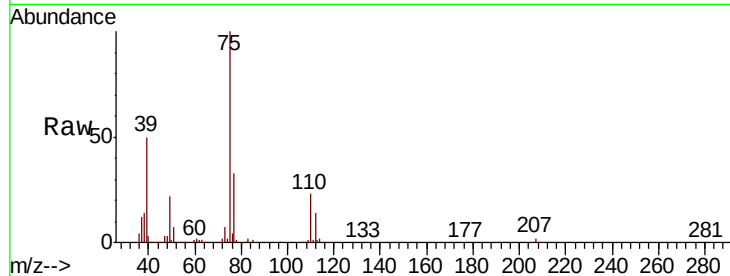
#53
t-1,3-Dichloropropene
Concen: 53.021 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 356707
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5

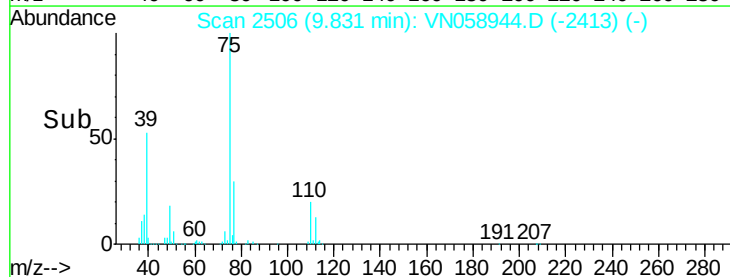
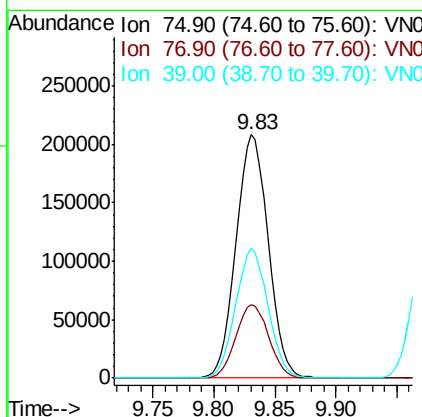
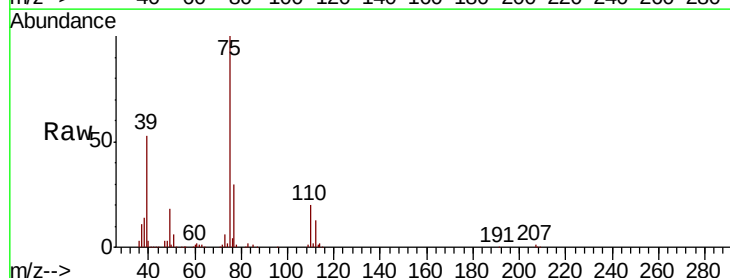
Manual Integrations
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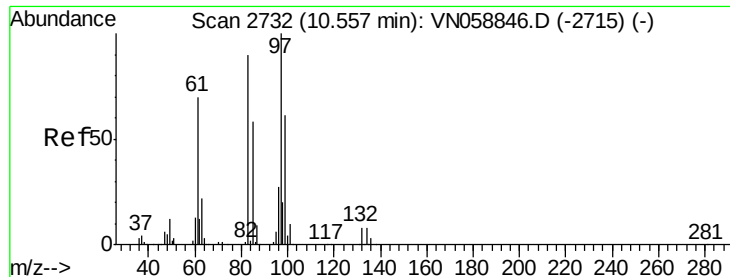
MMDadoda
10/25/2019 2:44:00 PM



#54
cis-1,3-Dichloropropene
Concen: 52.957 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 75 Resp: 380638
Ion Ratio Lower Upper
75 100
77 30.2 24.7 37.1
39 53.4 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 52.078 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

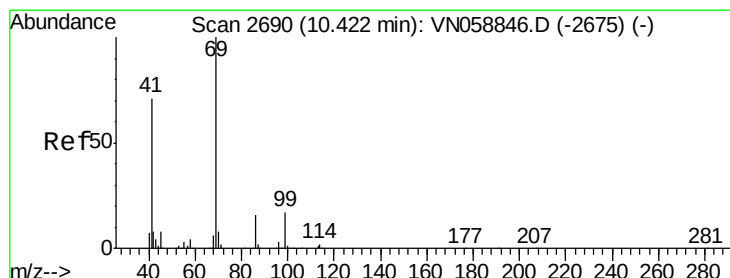
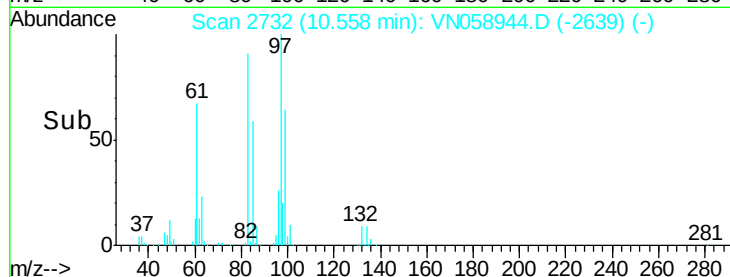
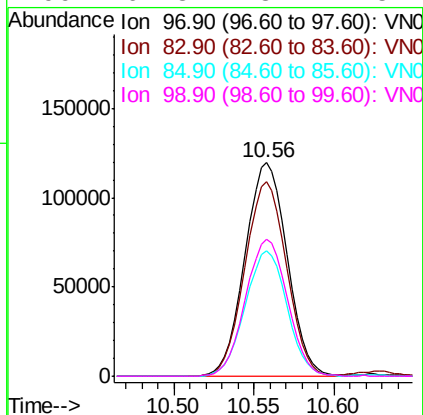
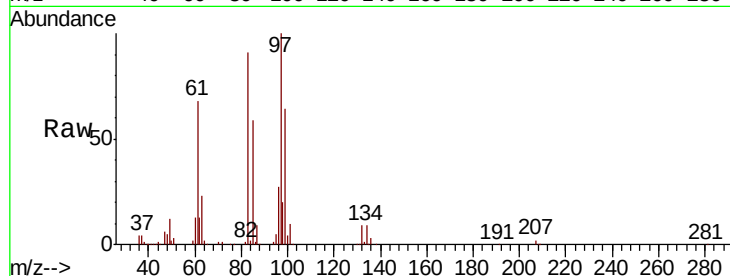
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	216398
Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.2	108.4
85	58.6	46.2	69.2
99	64.3	48.7	73.1

Manual Integrations
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10/25/2019 2:44:00 PM



#56

Ethyl methacrylate

Concen: 49.626 ug/l

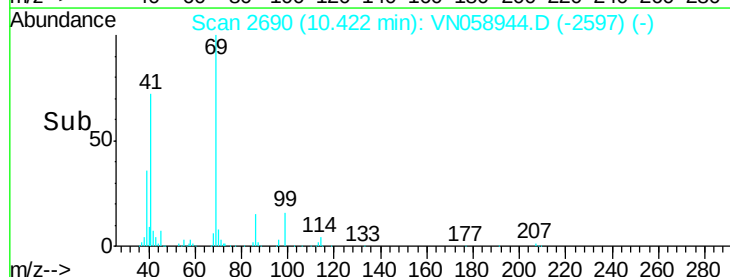
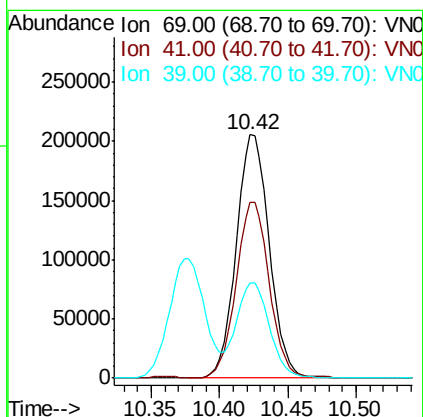
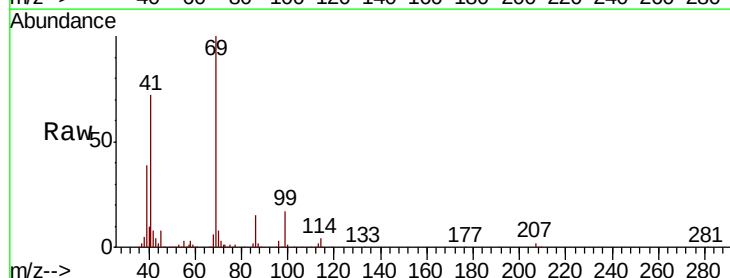
RT: 10.42 min Scan# 2690

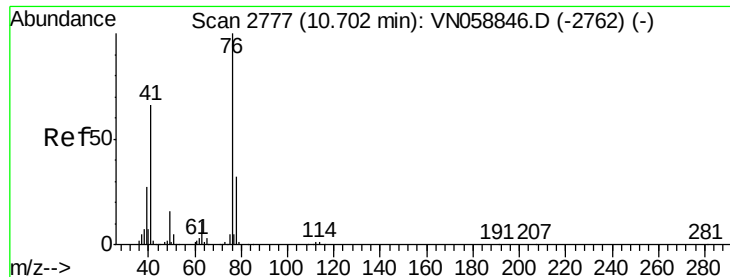
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	69	Resp:	346276
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.2	85.8
39	38.6	31.0	46.4





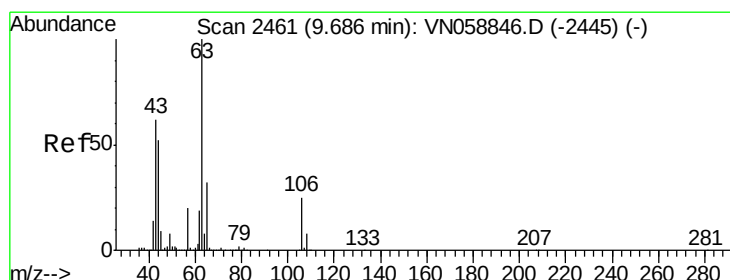
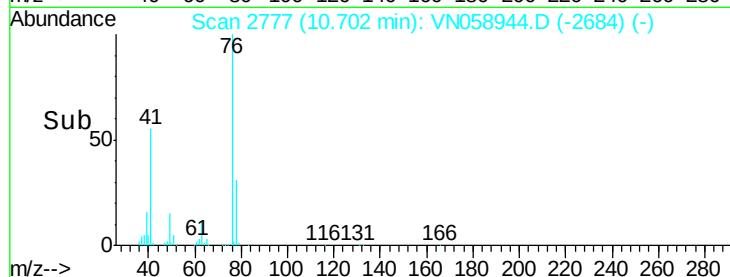
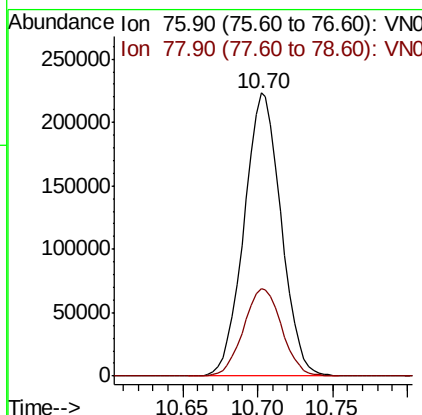
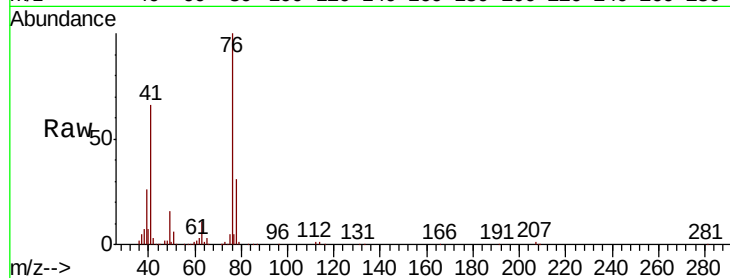
#57
 1,3-Dichloropropane
 Concen: 52.713 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.0

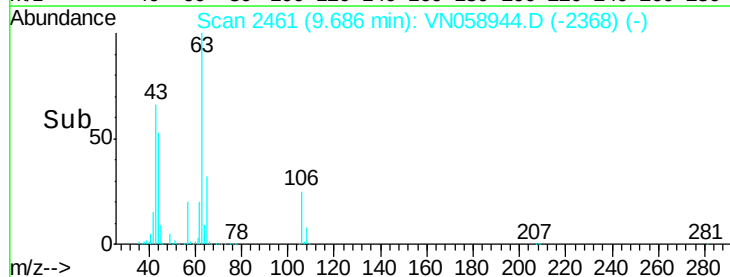
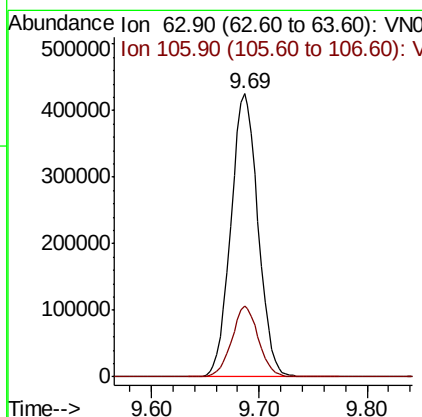
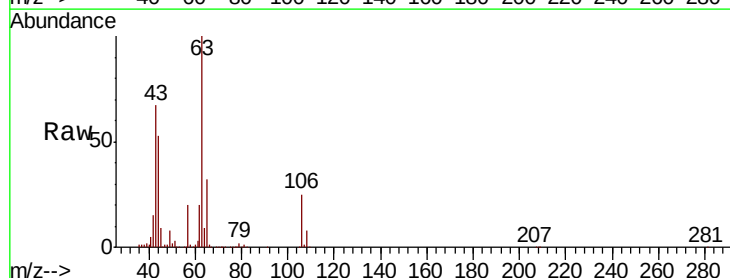
Manual Integrations
 APPROVED

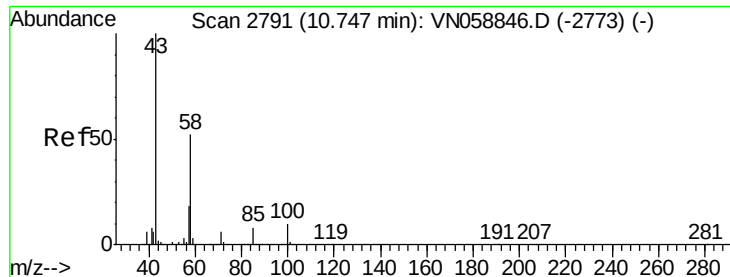
MMDadoda
 10/25/2019 2:44:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.970 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.8	29.8





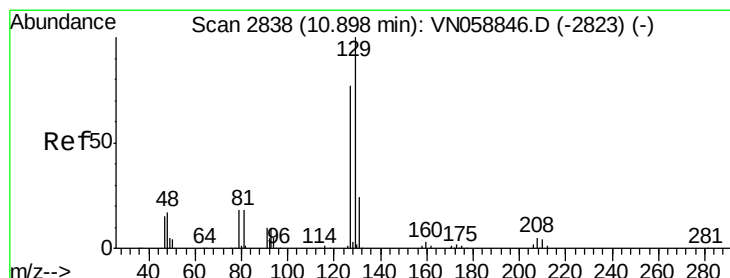
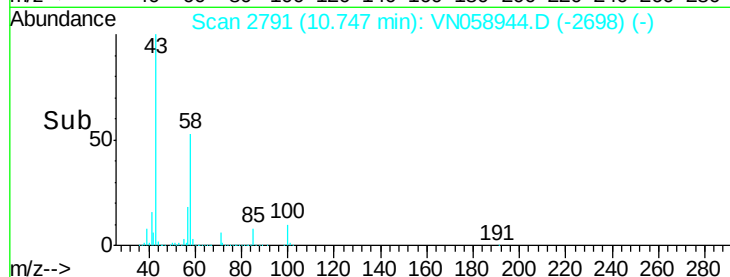
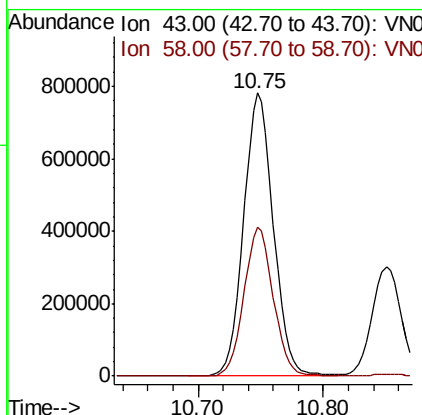
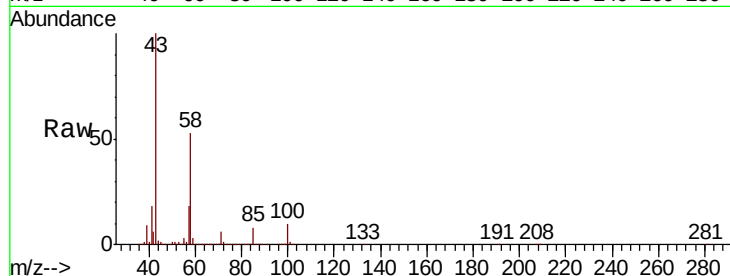
#59
2-Hexanone
Concen: 281.576 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1286433
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

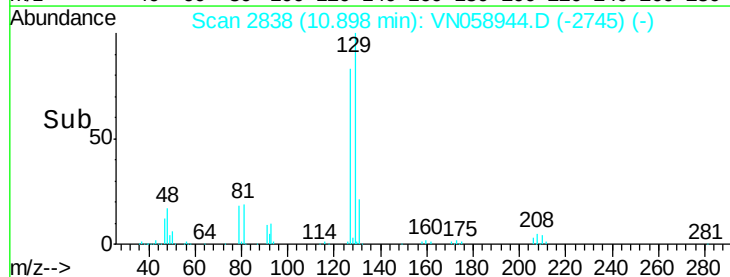
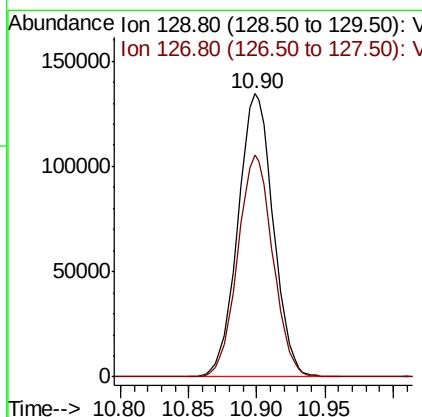
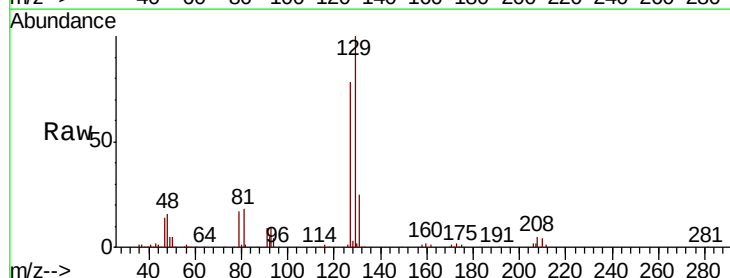
Manual Integrations
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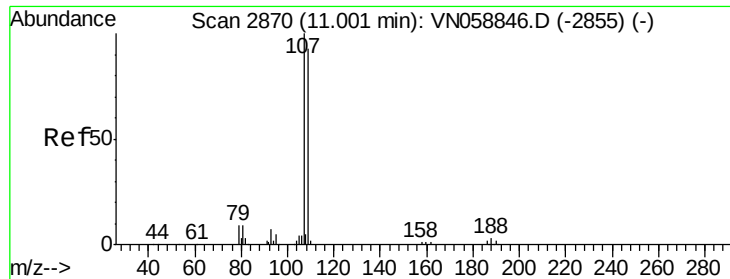
MMDadoda
10/25/2019 2:44:00 PM



#60
Dibromochloromethane
Concen: 54.018 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 129 Resp: 241602
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.232 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 226364

Ion Ratio Lower Upper

107 100

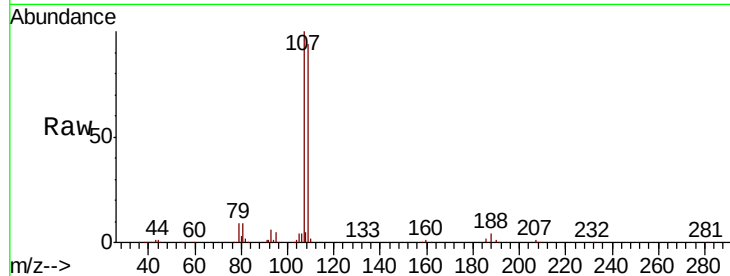
109 95.0 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

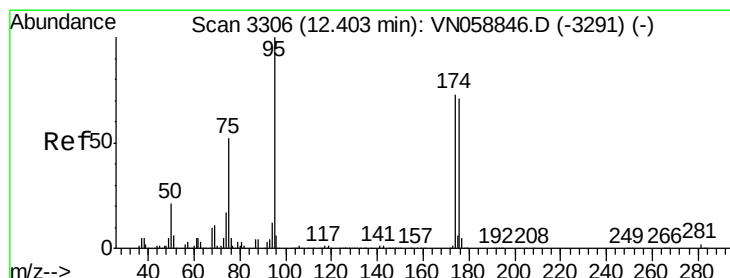
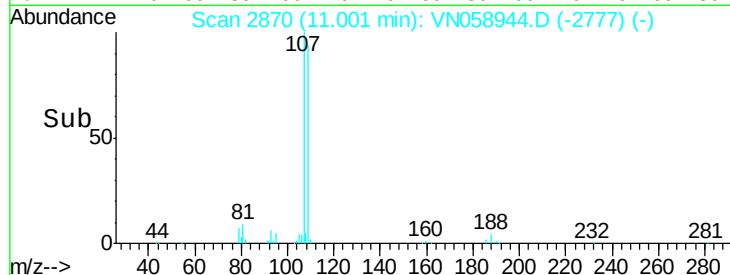
150000

100000

50000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 51.837 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

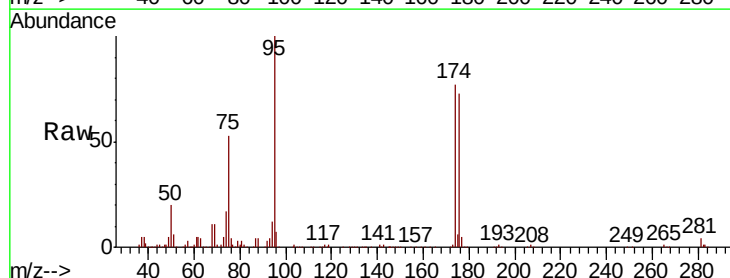
Tgt Ion: 95 Resp: 274876

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

176 74.0 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

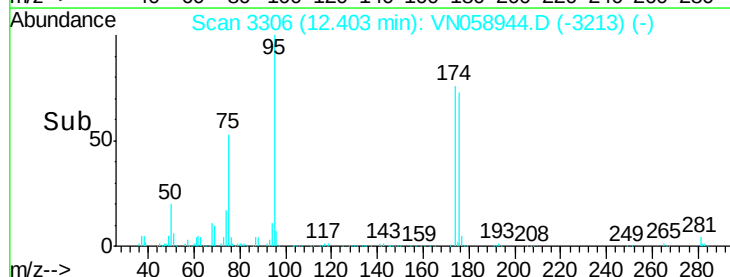
150000

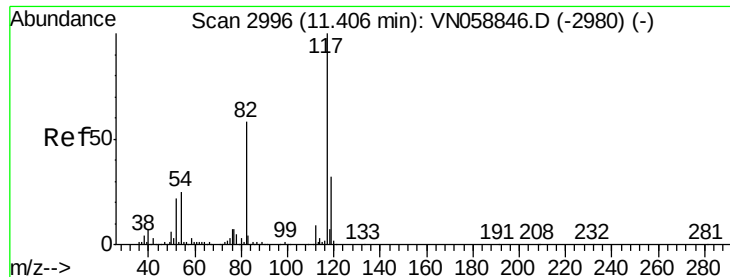
100000

50000

0

Time--> 12.35 12.40 12.45





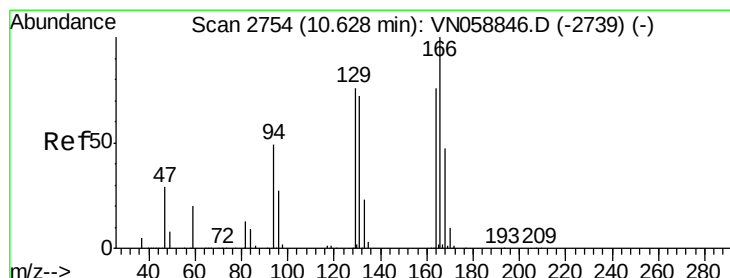
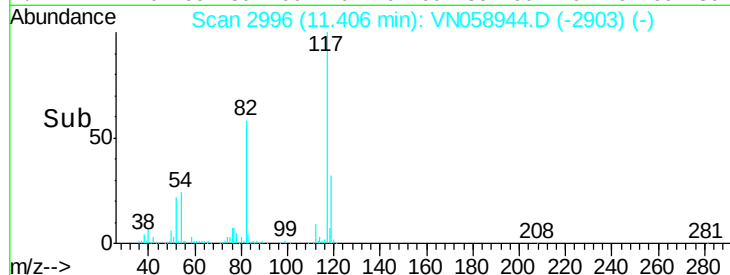
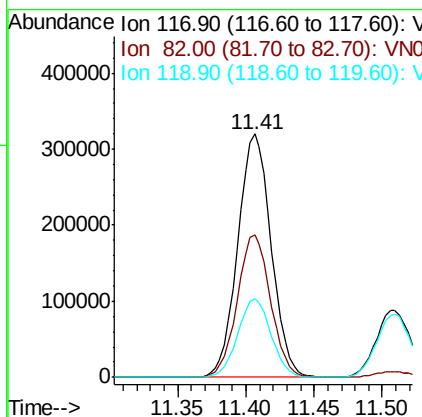
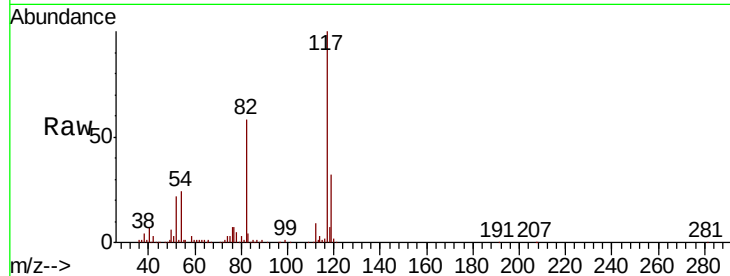
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.6	69.8
119	32.4	25.6	38.4

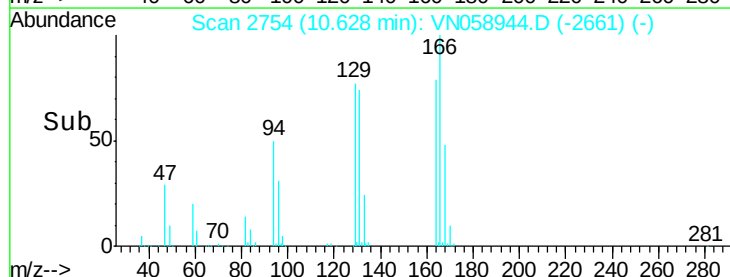
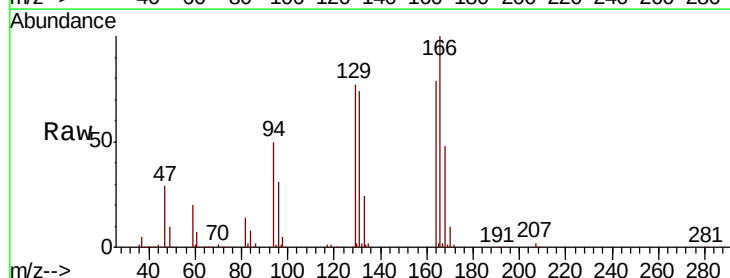
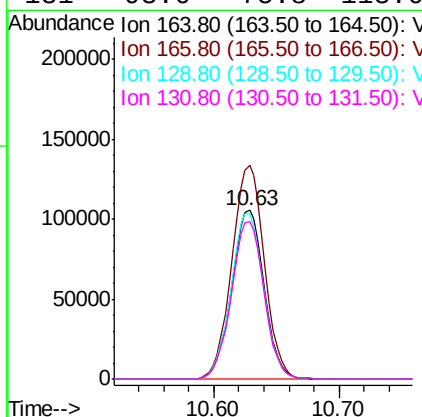
Manual Integrations
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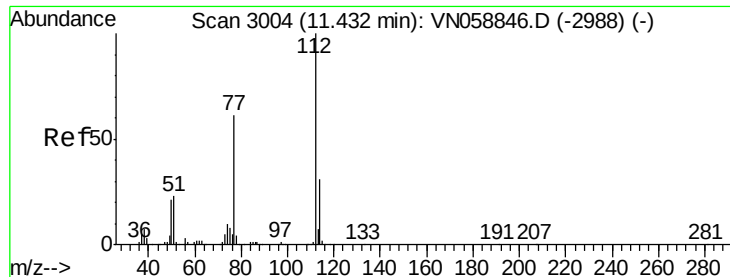
MMDadoda
10/25/2019 2:44:00 PM



#64
Tetrachloroethene
Concen: 49.632 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.8	157.2
129	98.0	79.3	118.9
131	93.6	75.8	113.6





#65

Chlorobenzene

Concen: 52.331 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 579711

Ion Ratio Lower Upper

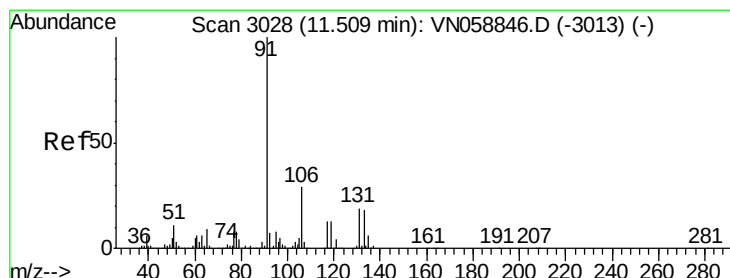
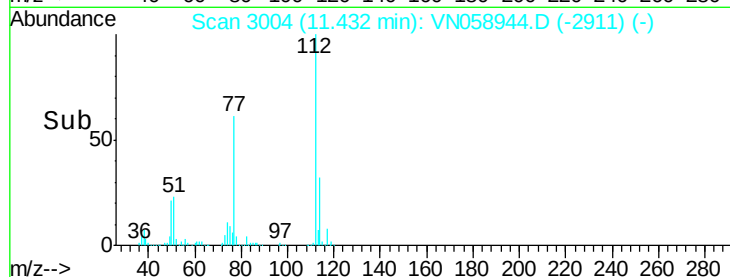
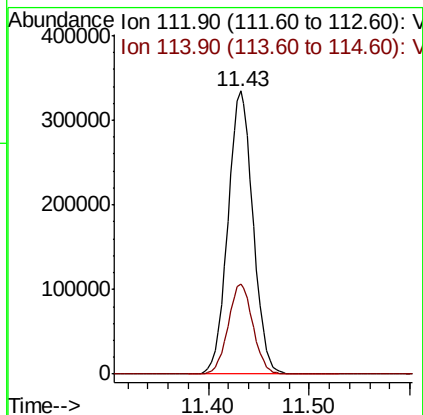
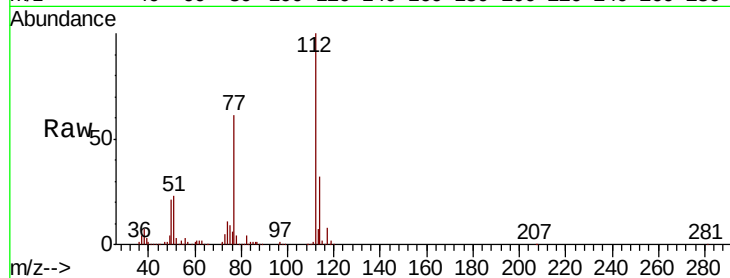
112 100

114 31.9 25.1 37.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.521 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

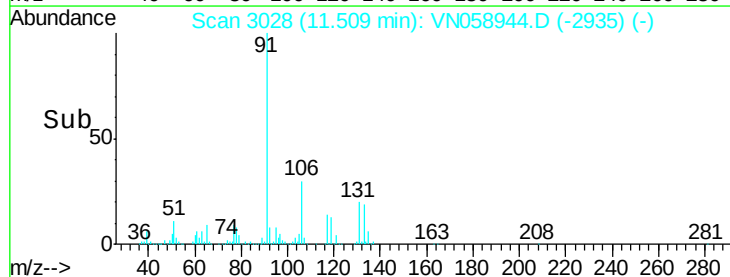
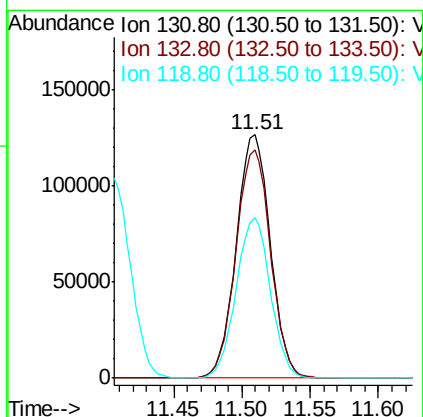
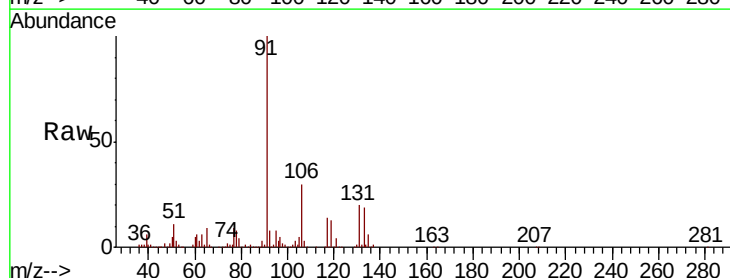
Tgt Ion:131 Resp: 219556

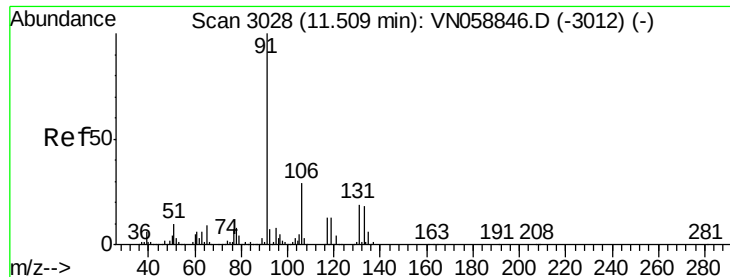
Ion Ratio Lower Upper

131 100

133 95.5 48.4 145.2

119 66.3 33.6 100.8





#67

Ethyl Benzene

Concen: 54.879 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1066462

Ion Ratio Lower Upper

91 100

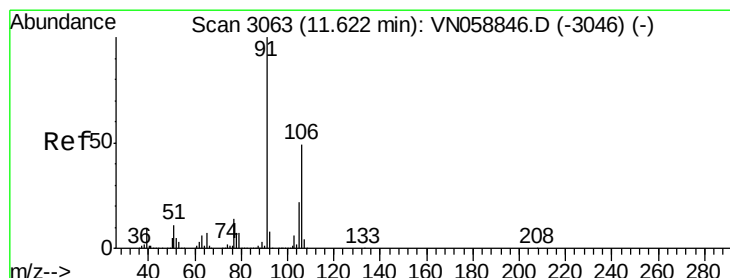
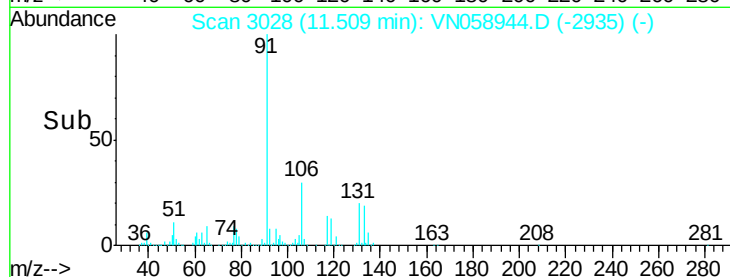
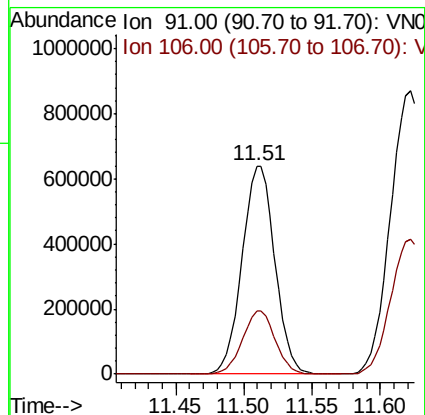
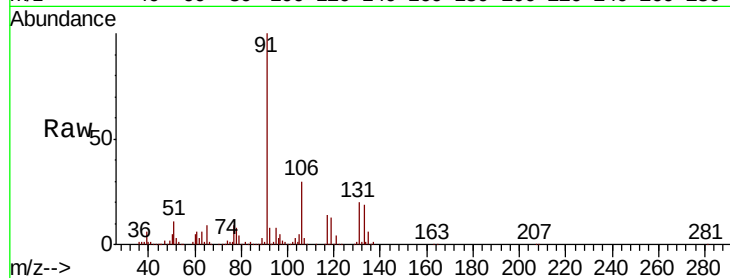
106 30.1 23.4 35.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 109.412 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058944.D

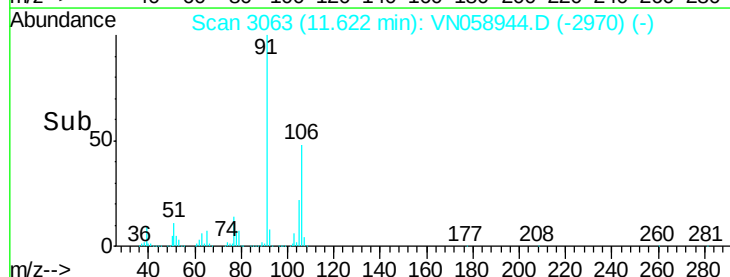
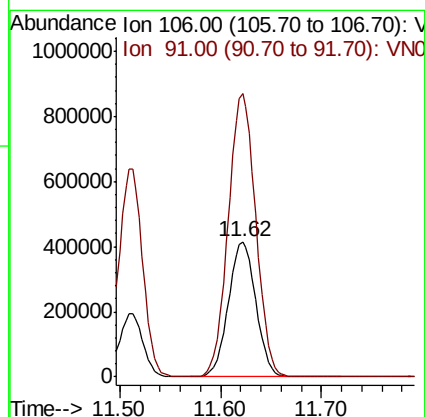
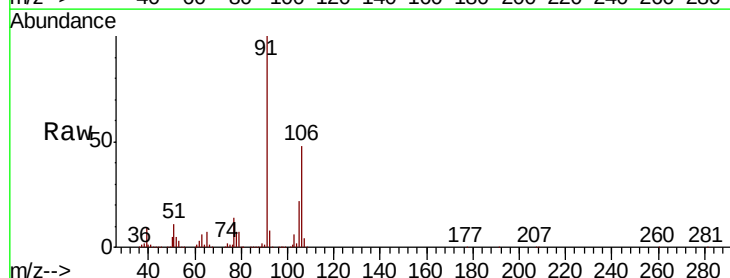
Acq: 23 Oct 2019 20:54

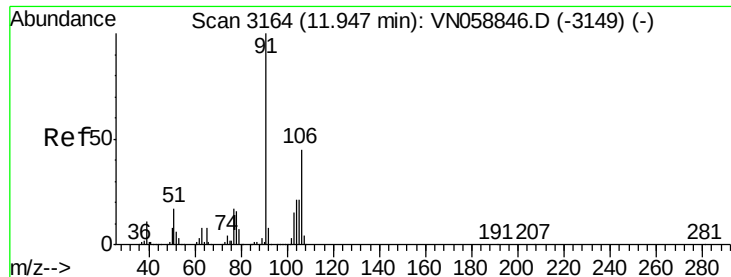
Tgt Ion: 106 Resp: 788500

Ion Ratio Lower Upper

106 100

91 209.7 166.6 249.8





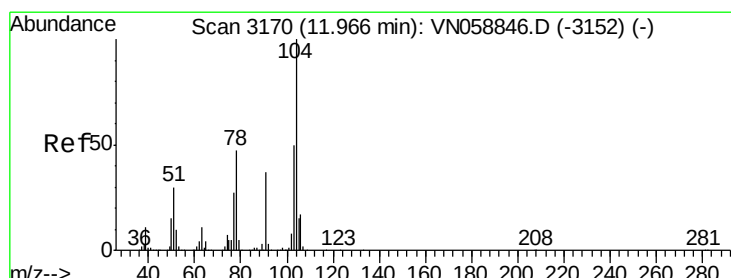
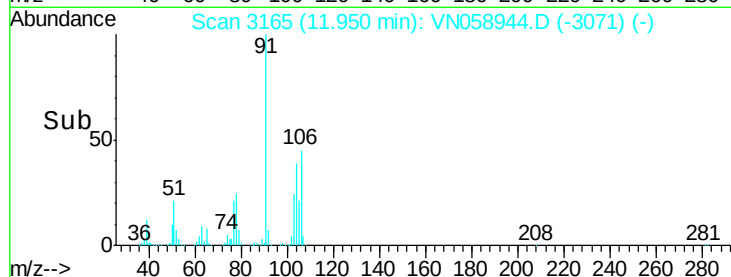
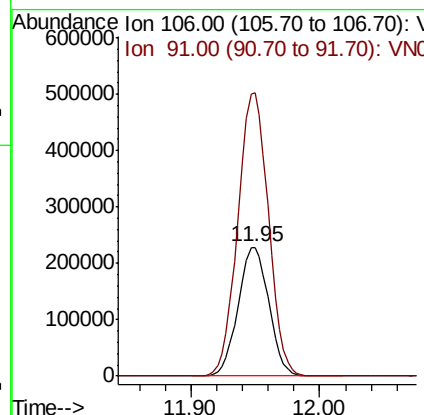
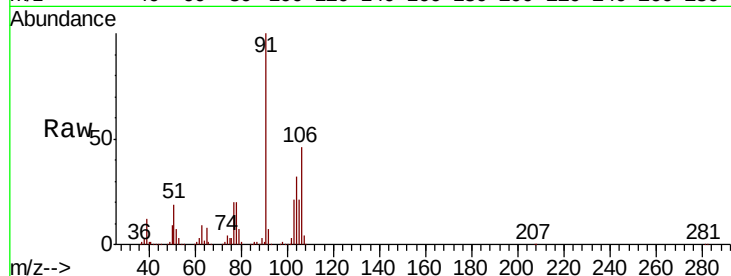
#69
o-Xylene
Concen: 55.085 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	219.5	111.5	334.4	

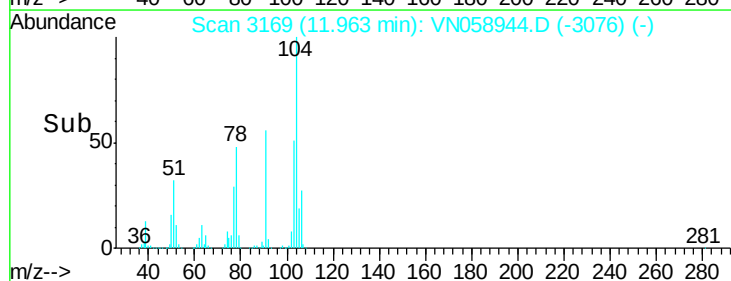
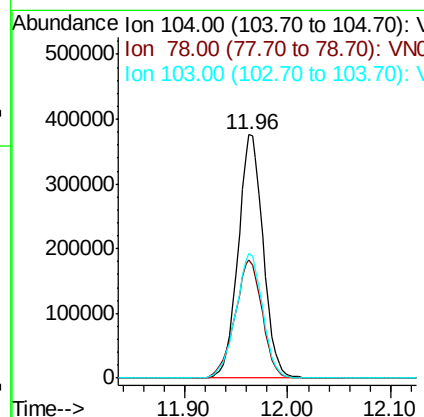
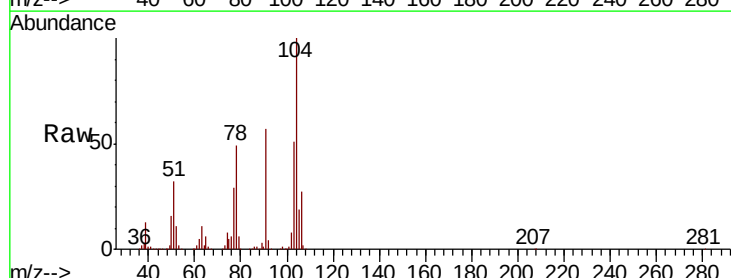
Manual Integrations
APPROVED

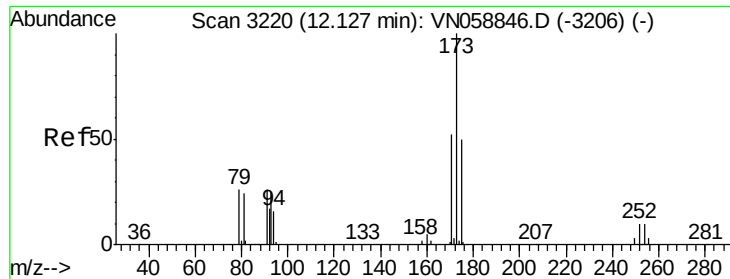
MMDadoda
10/25/2019 2:44:00 PM



#70
Styrene
Concen: 50.024 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	52.9	42.8	64.2	
103	55.1	44.3	66.5	





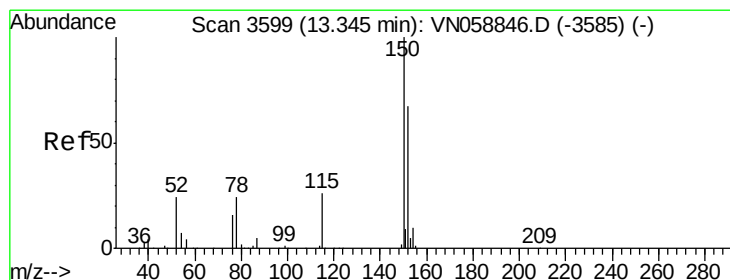
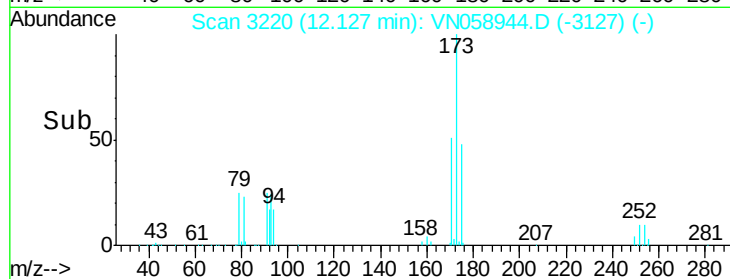
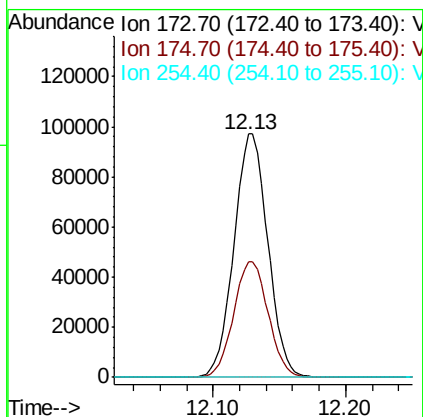
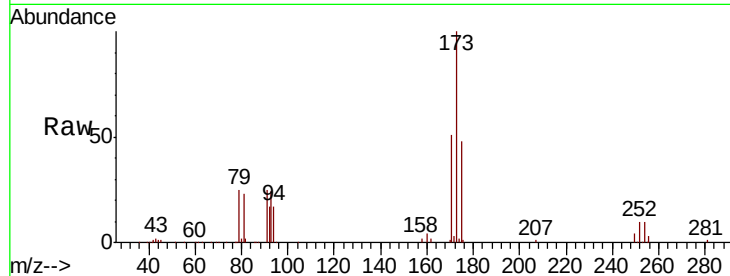
#71
Bromoform
Concen: 53.167 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.1	0.0	0.0#

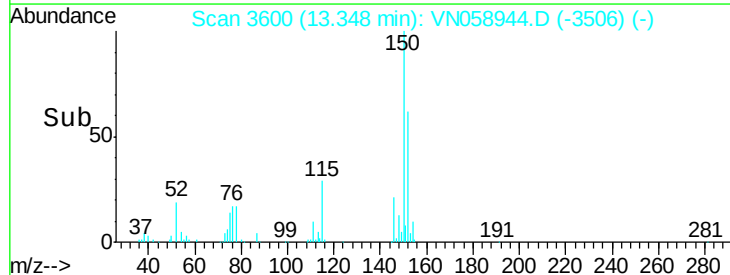
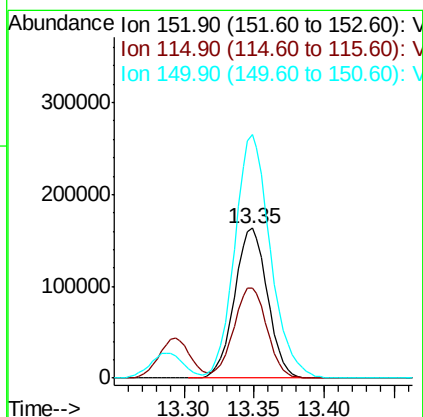
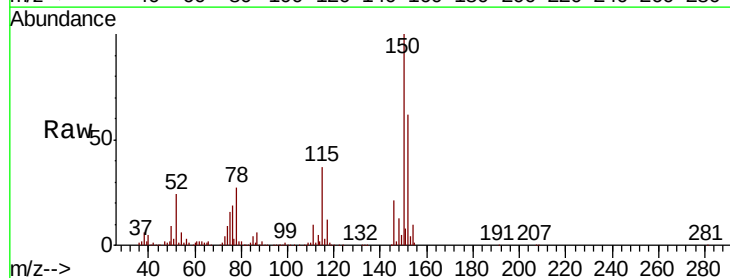
Manual Integrations
APPROVED

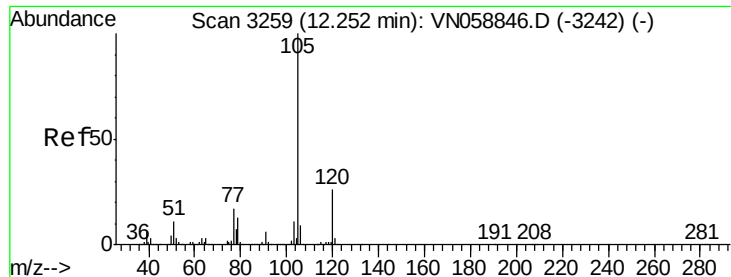
MMDadoda
10/25/2019 2:44:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.5	91.5
150	175.9	0.0	344.4





#73

Isopropylbenzene

Concen: 52.713 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1029738

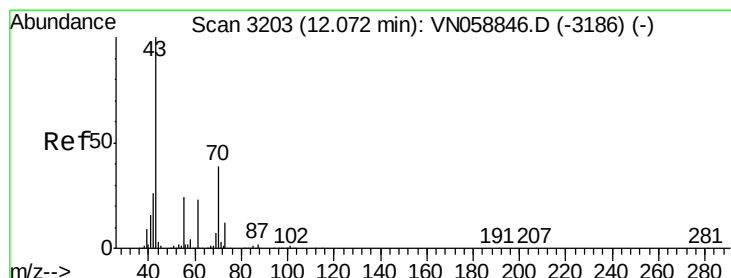
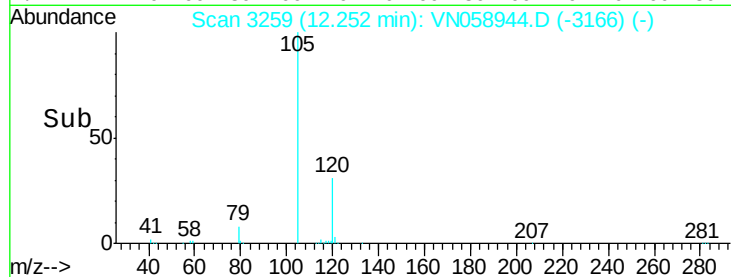
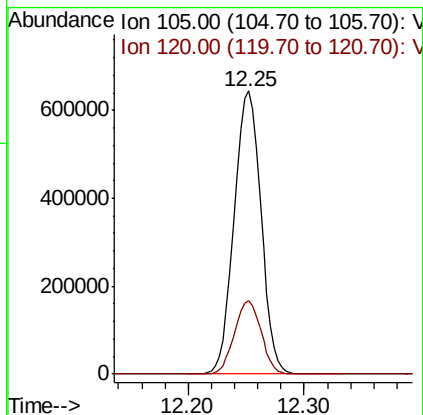
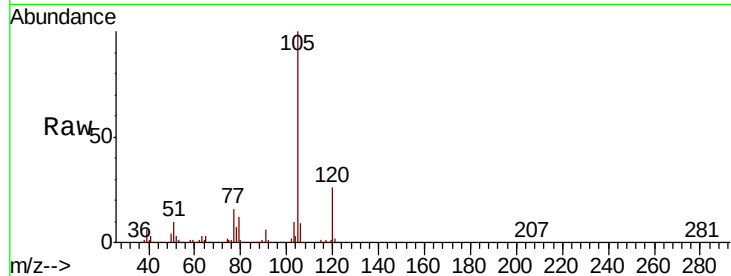
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.711 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion: 43 Resp: 484530

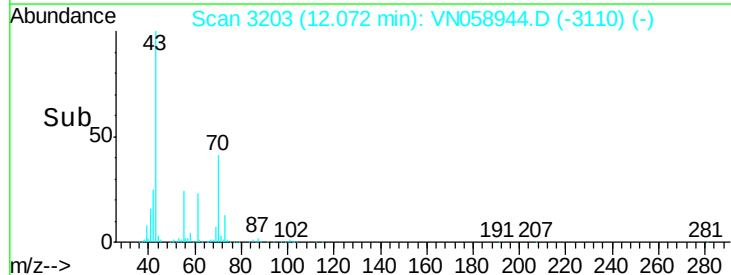
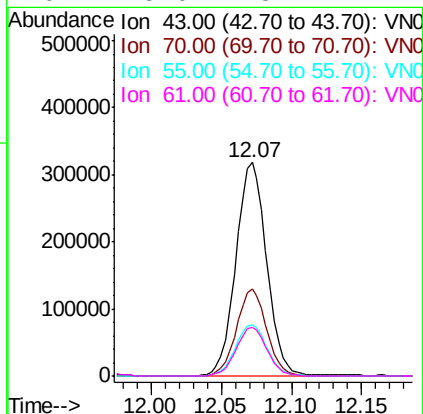
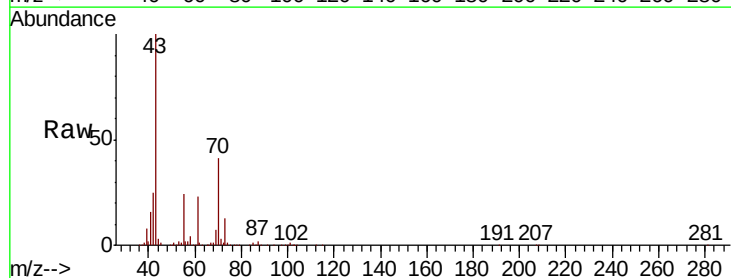
Ion Ratio Lower Upper

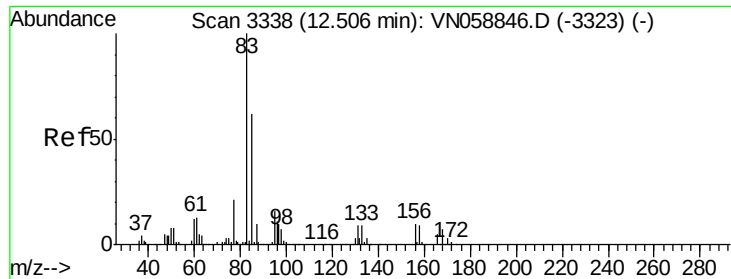
43 100

70 40.2 30.9 46.3

55 25.0 19.7 29.5

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.451 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

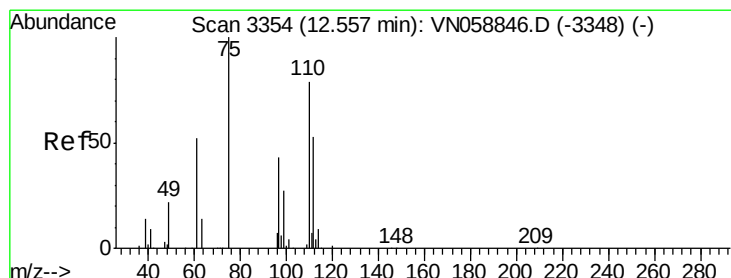
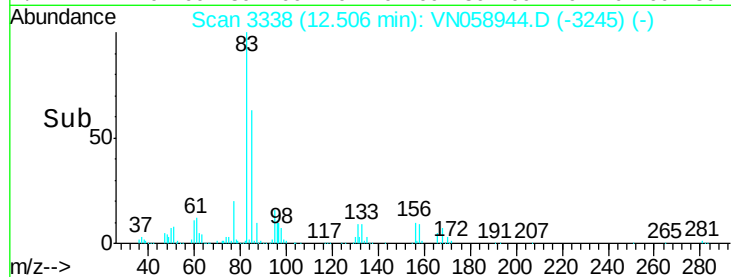
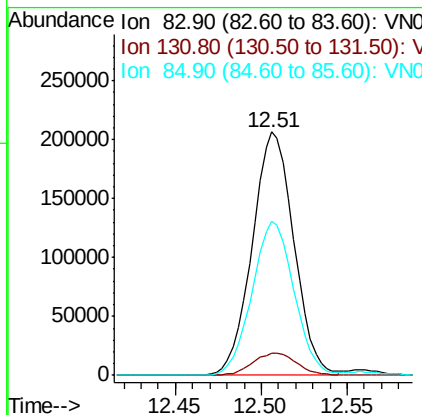
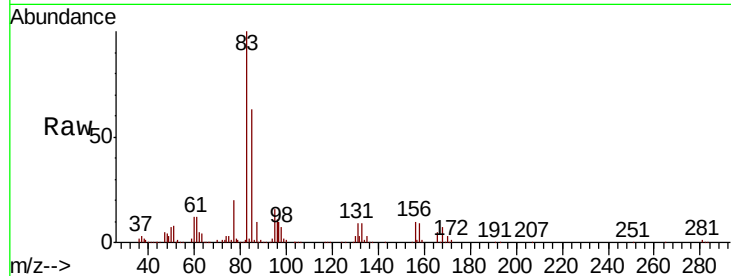
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	346539
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	63.6	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.375 ug/l m

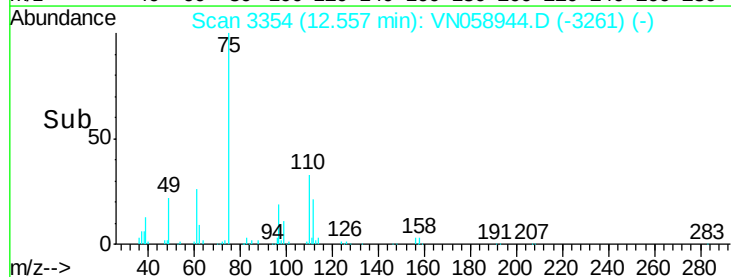
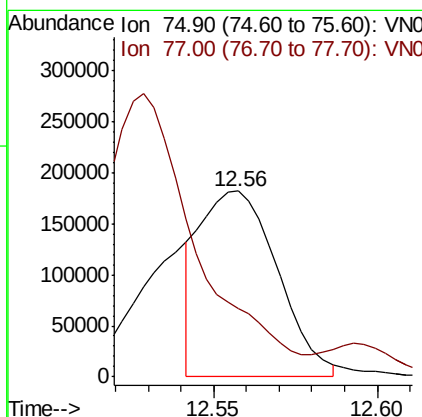
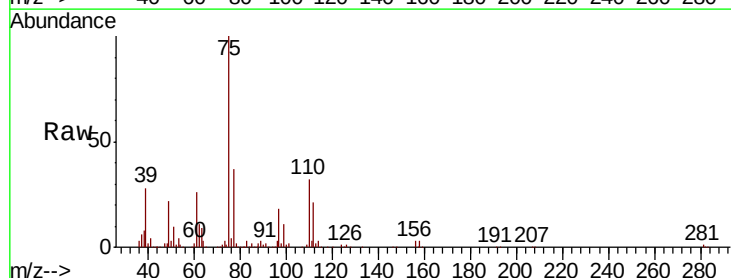
RT: 12.56 min Scan# 3354

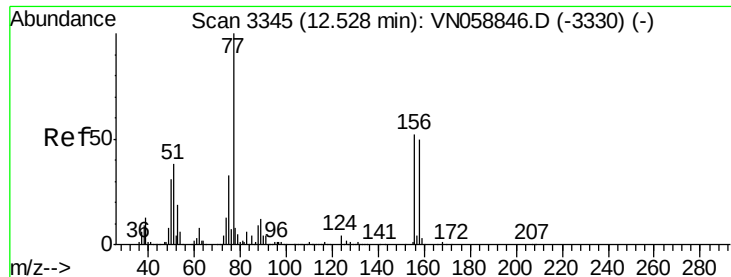
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	75	Resp:	299684
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.078 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

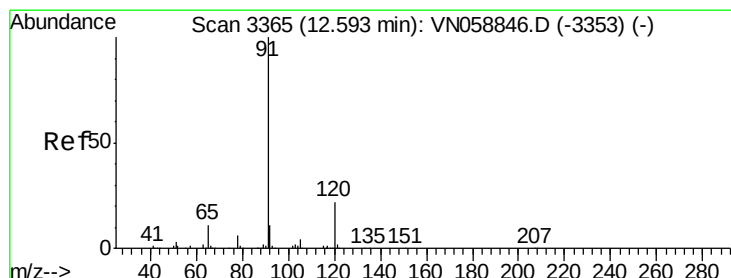
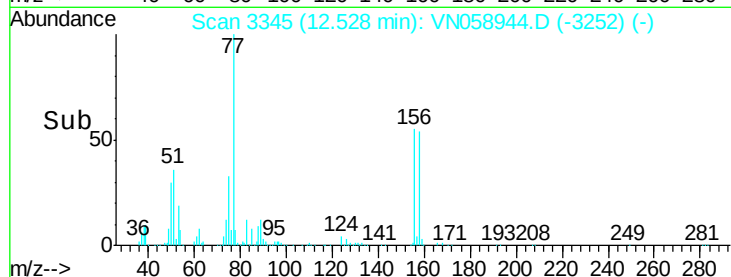
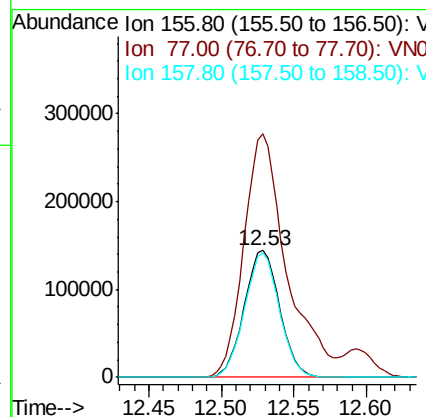
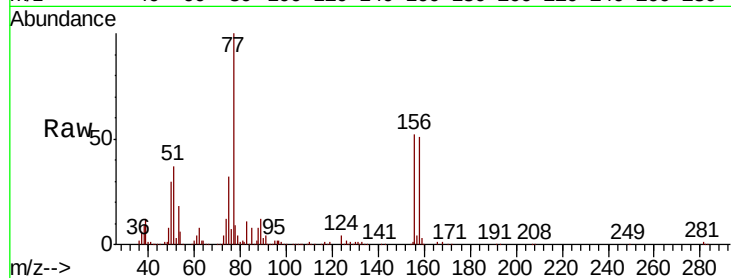
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.3	118.0	354.0	
158	96.4	48.3	144.8	

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#78

n-propylbenzene

Concen: 53.242 ug/l

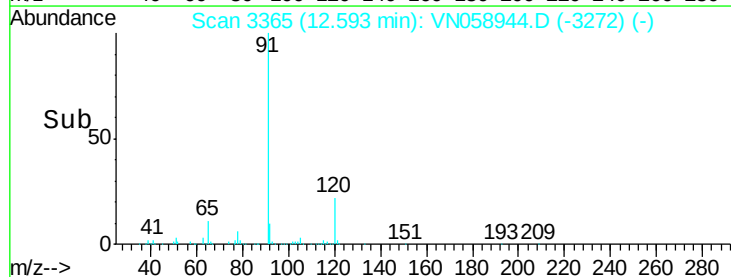
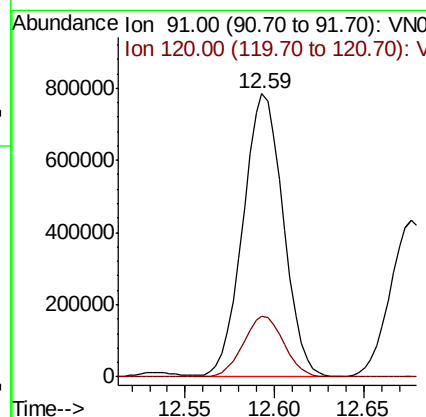
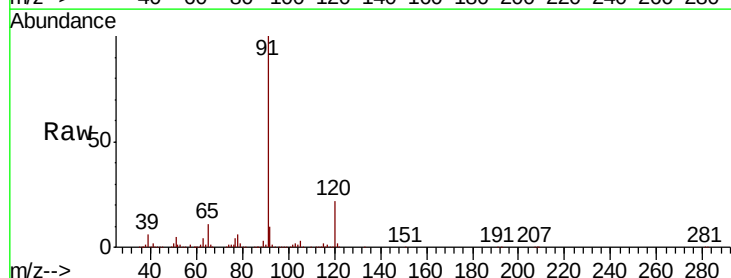
RT: 12.59 min Scan# 3365

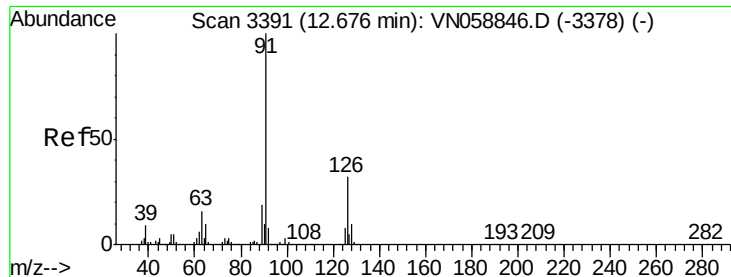
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	11.1	33.1	





#79

2-Chlorotoluene

Concen: 51.034 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 721239

Ion Ratio Lower Upper

91 100

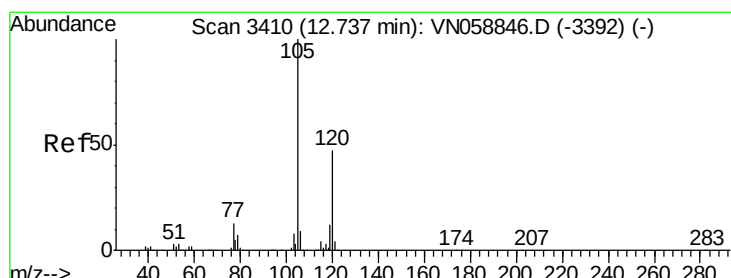
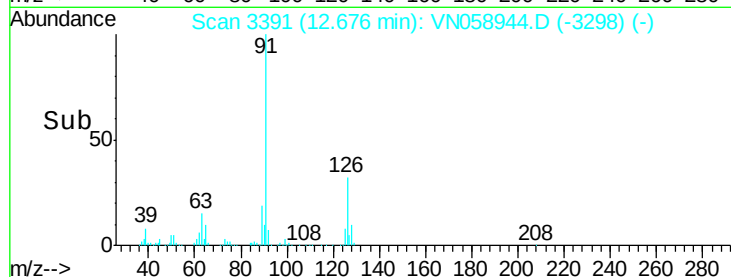
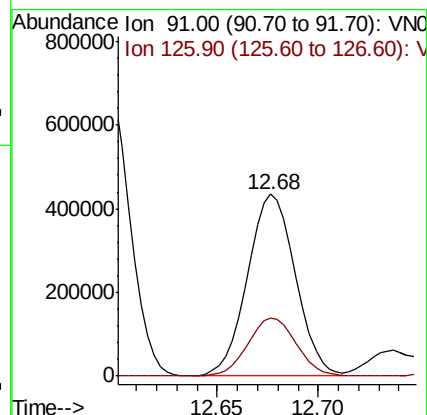
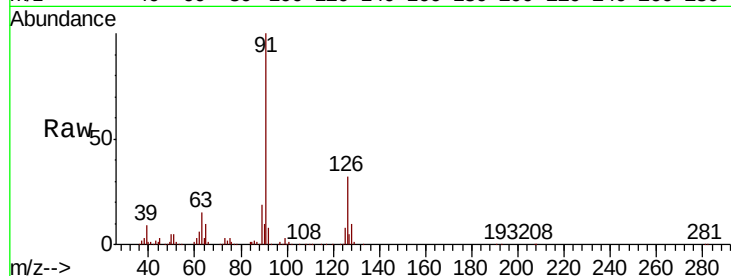
126 32.6 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 54.191 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058944.D

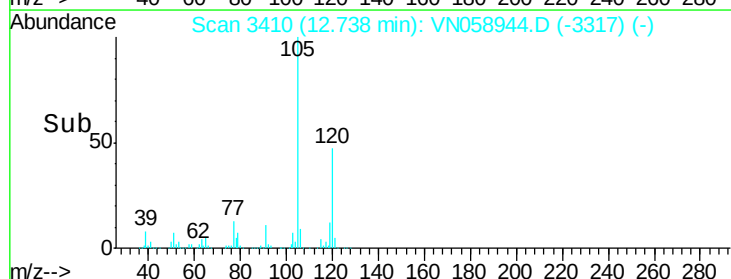
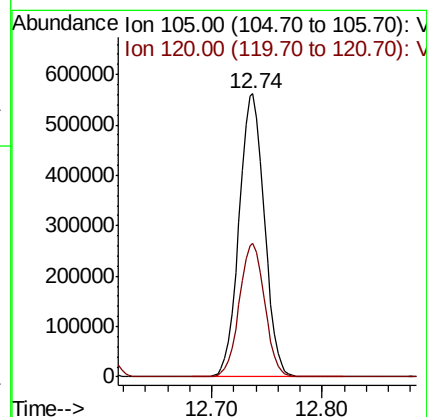
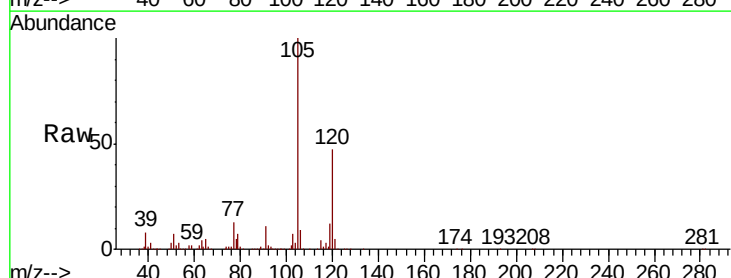
Acq: 23 Oct 2019 20:54

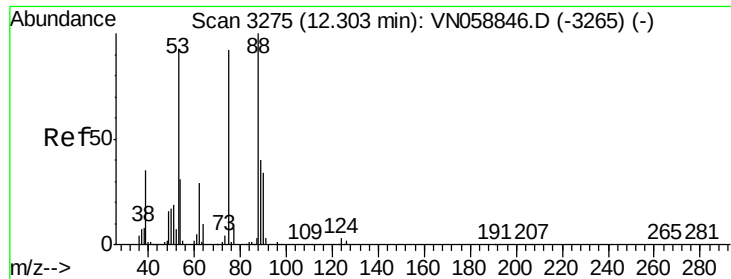
Tgt Ion: 105 Resp: 889427

Ion Ratio Lower Upper

105 100

120 47.3 23.8 71.5





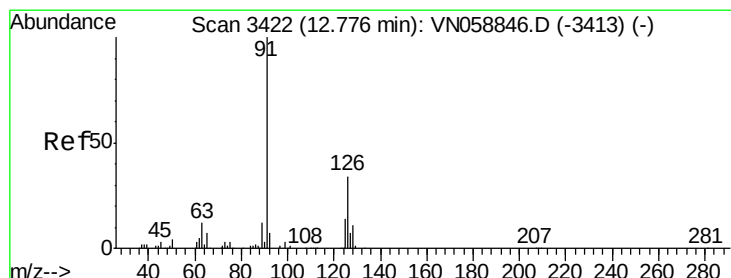
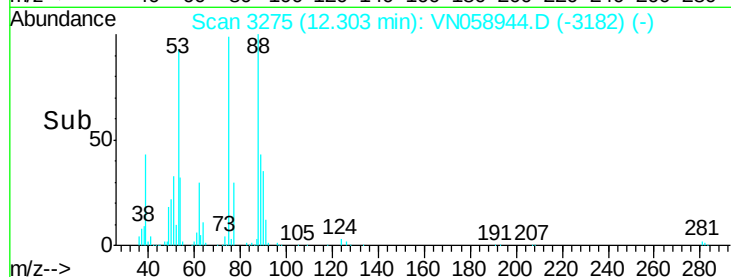
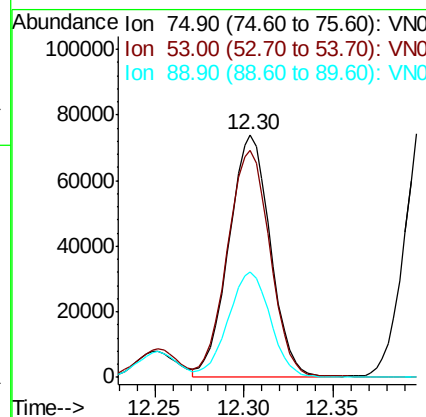
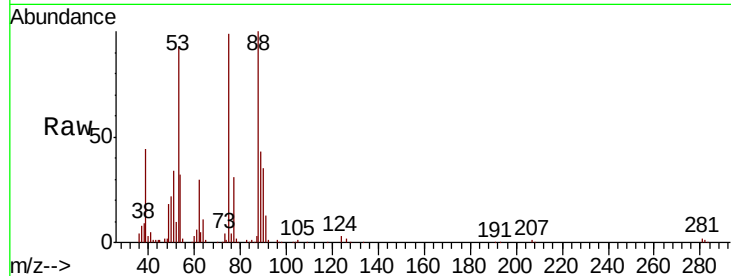
#81
trans-1,4-Dichloro-2-butene
Concen: 50.193 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	78.6	118.0
89	44.4	35.4	53.0

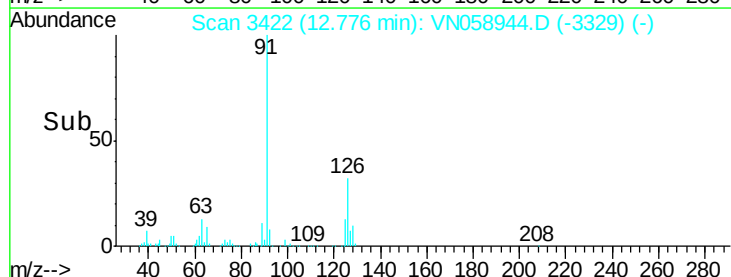
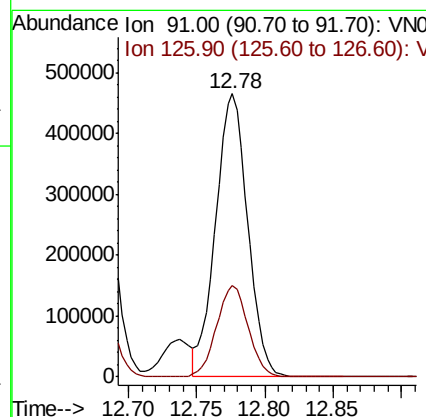
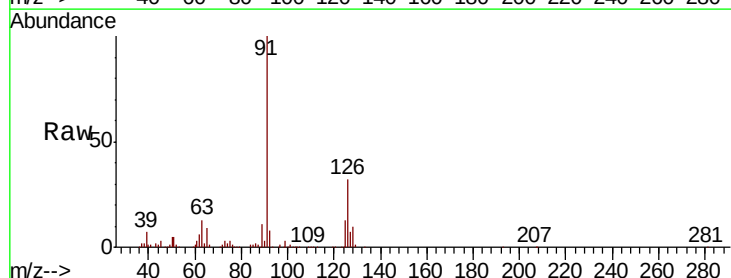
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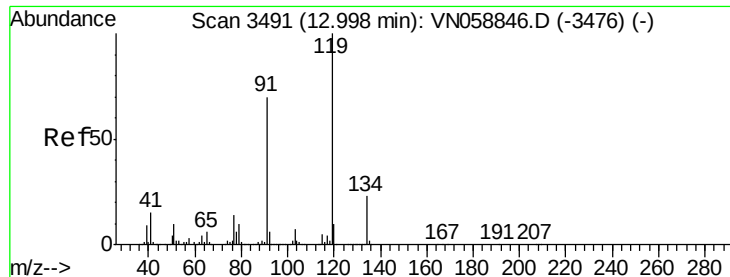
MMDadoda
10/25/2019 2:44:00 PM



#82
4-Chlorotoluene
Concen: 52.424 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9





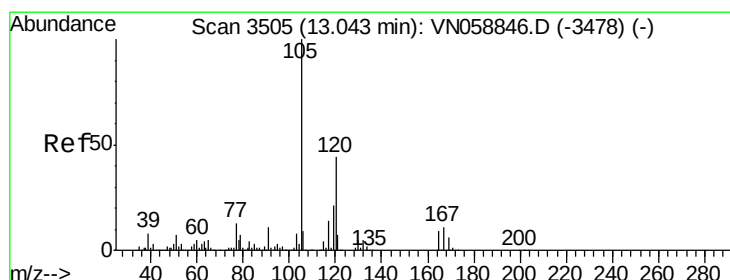
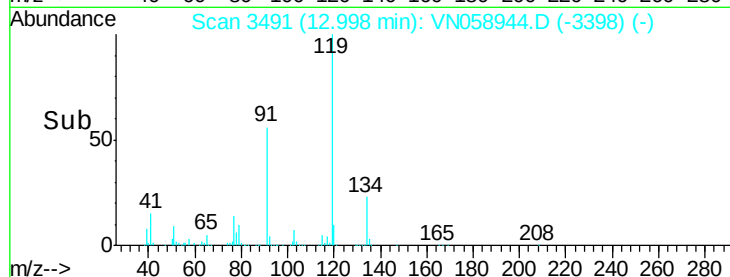
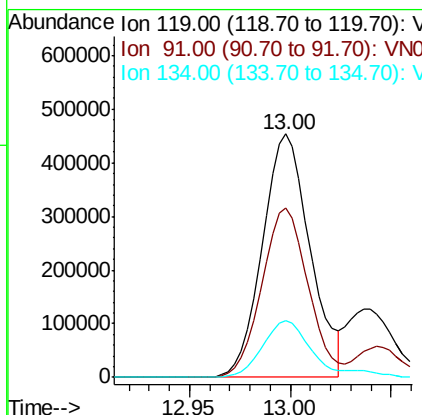
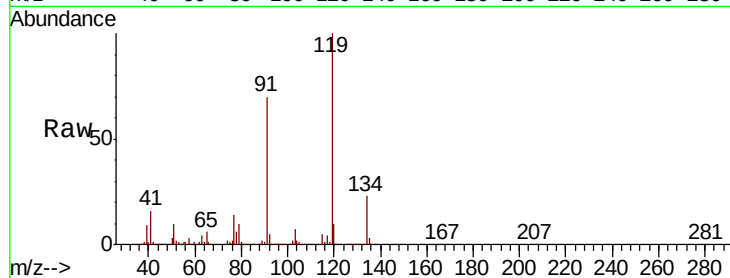
#83
 tert-Butylbenzene
 Concen: 53.157 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.1	102.3
134	24.8	11.6	34.8

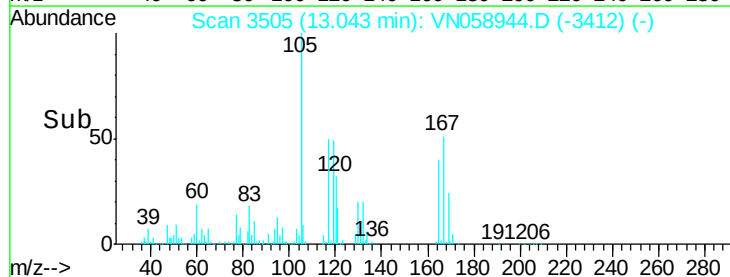
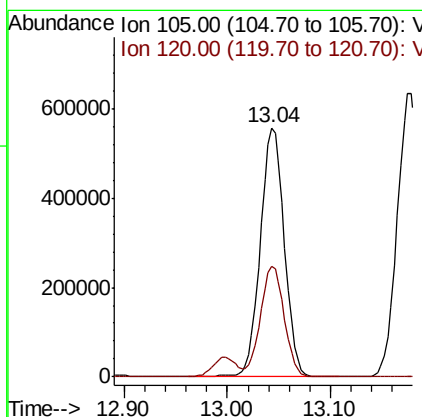
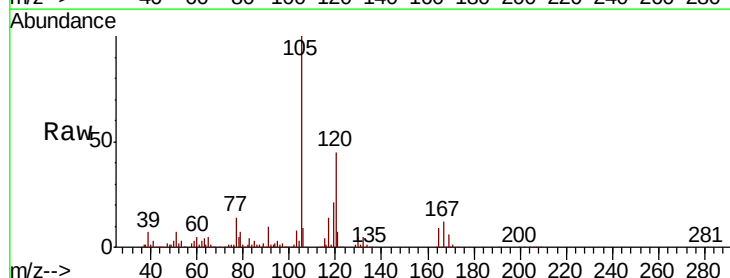
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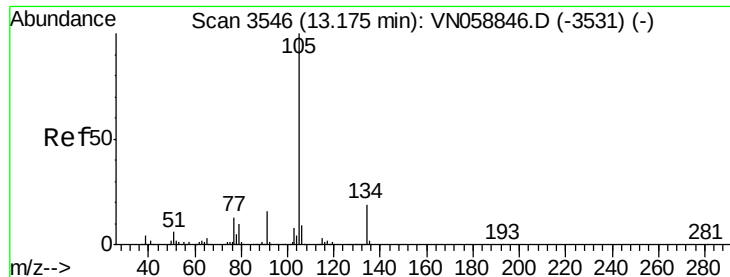
MMDadoda
 10/25/2019 2:44:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.222 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 53.743 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1005651

Ion Ratio Lower Upper

105 100

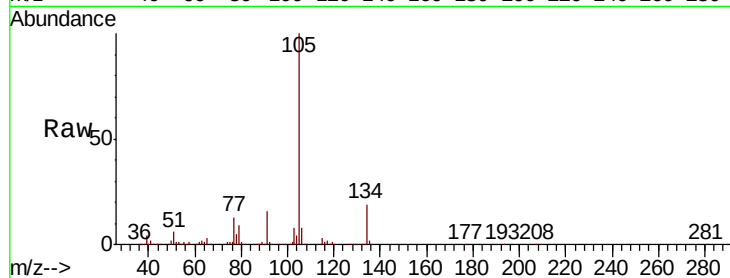
134 19.1 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

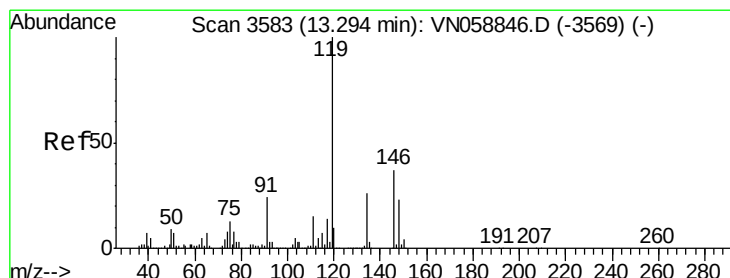
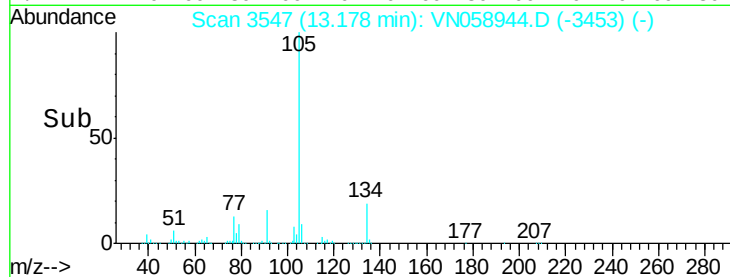
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 55.220 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

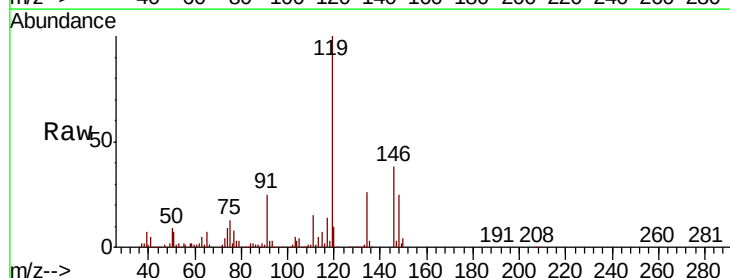
Tgt Ion:119 Resp: 911735

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.1 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

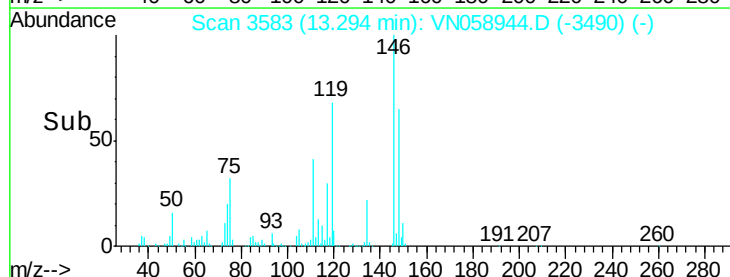
400000

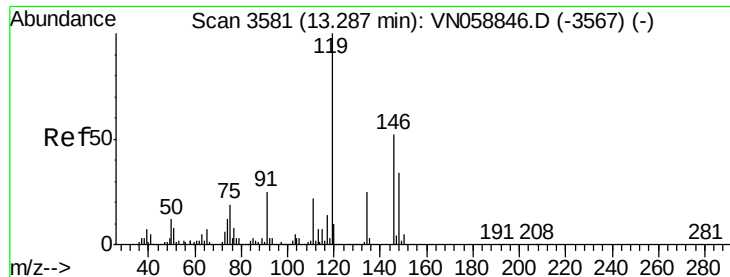
200000

0

13.20 13.25 13.30 13.35

Time-->





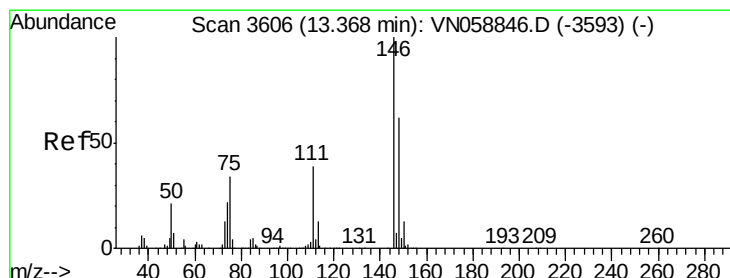
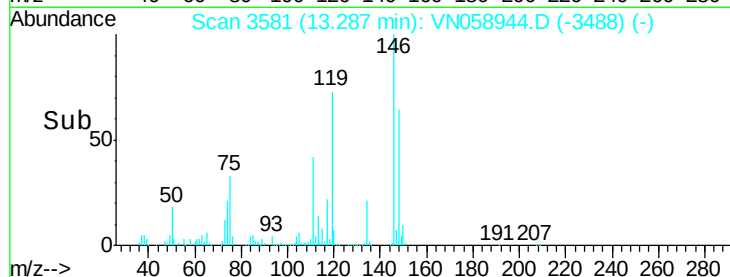
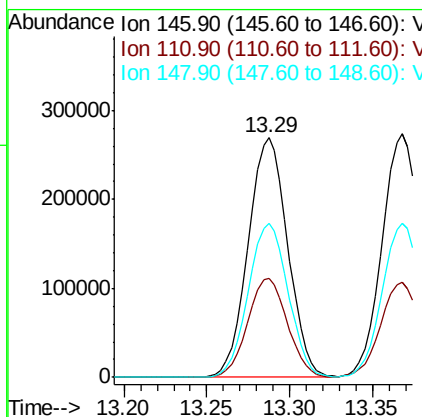
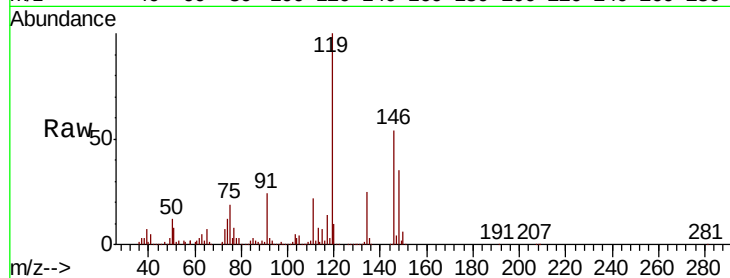
#87
 1,3-Dichlorobenzene
 Concen: 51.914 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	64.6	32.1	96.3

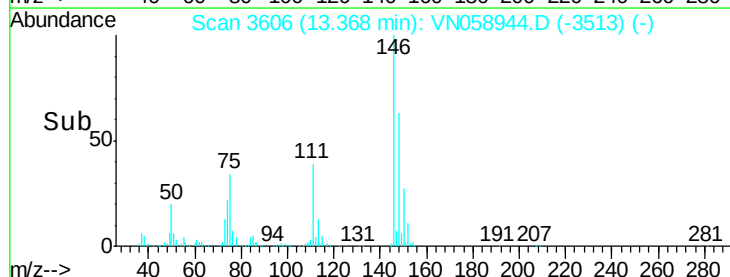
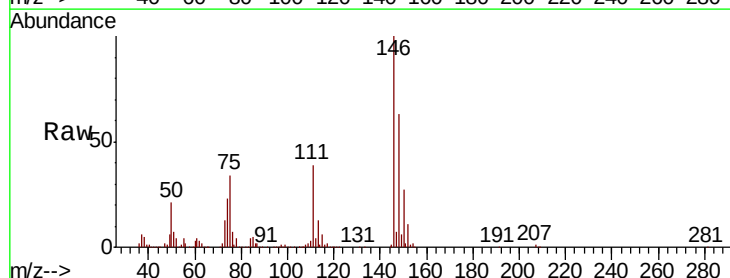
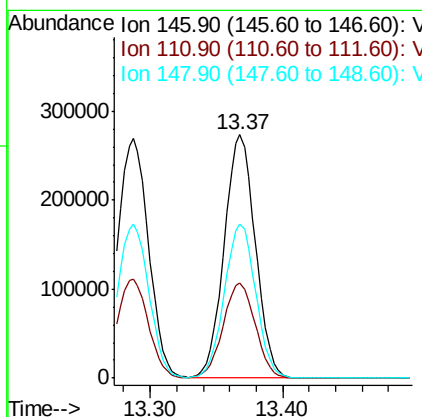
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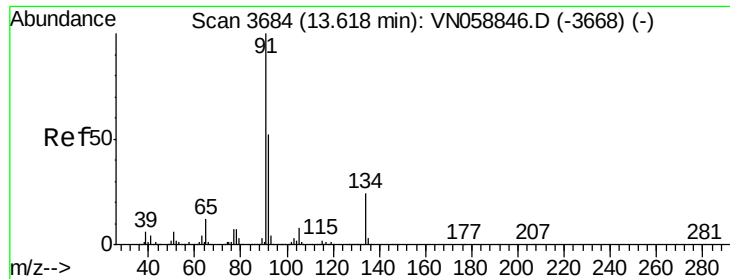
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 51.742 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.6
148	63.9	31.6	94.7





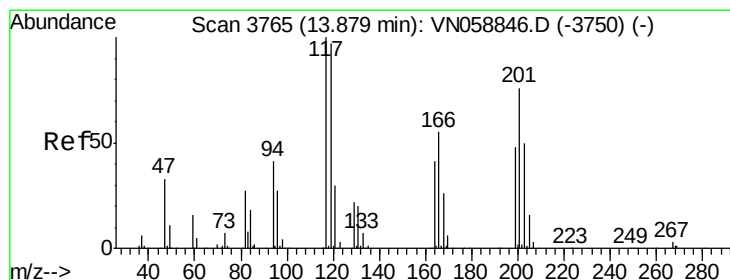
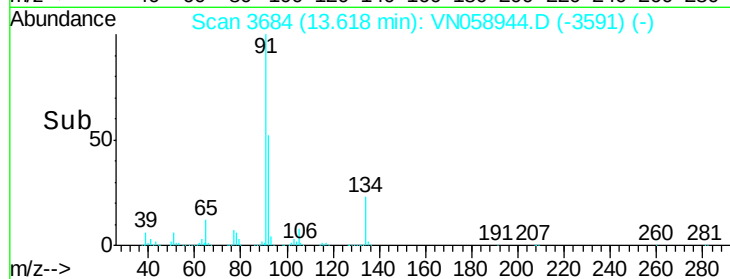
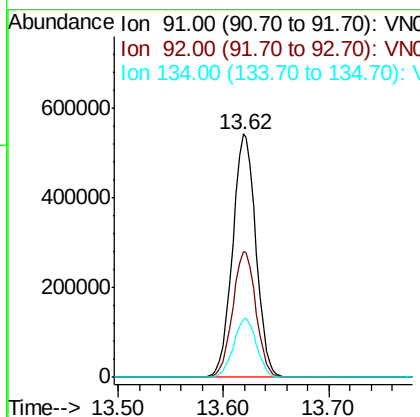
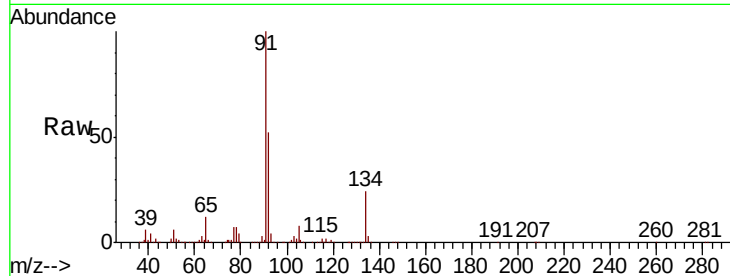
#89
n-Butylbenzene
Concen: 54.376 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.1
134	24.2	11.9	35.5

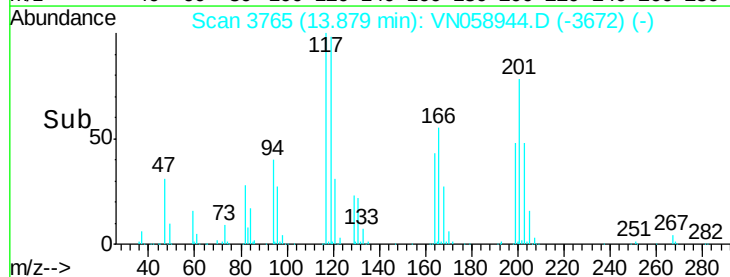
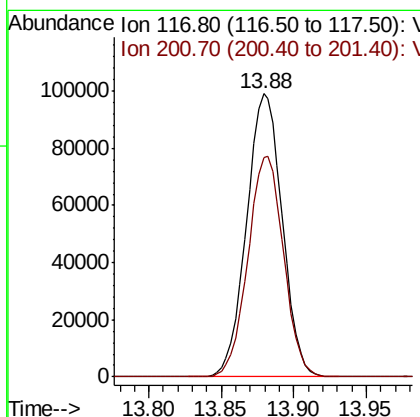
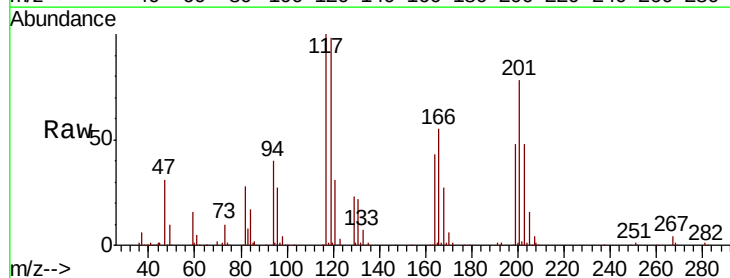
Manual Integrations
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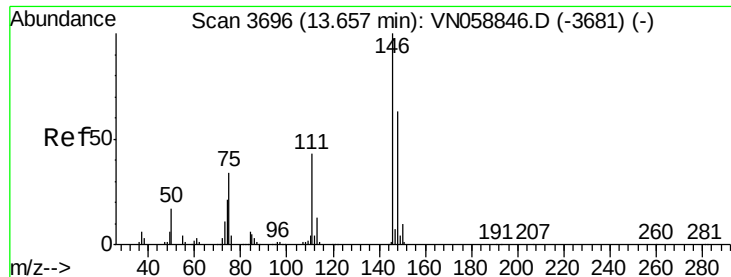
MMDadoda
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#90
Hexachloroethane
Concen: 50.711 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.9	116.6





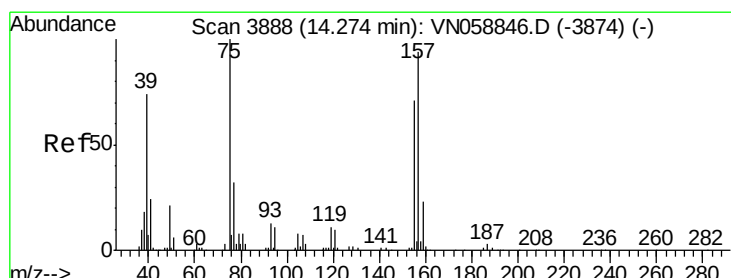
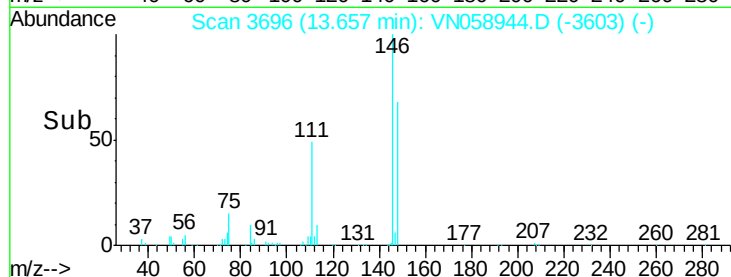
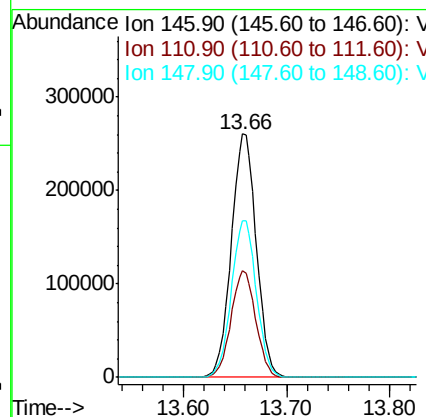
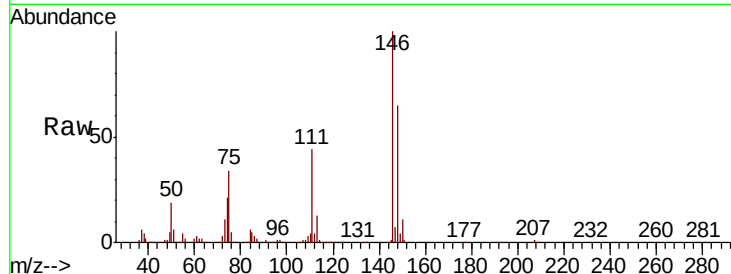
#91
 1,2-Dichlorobenzene
 Concen: 51.932 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	64.5	31.9	95.9

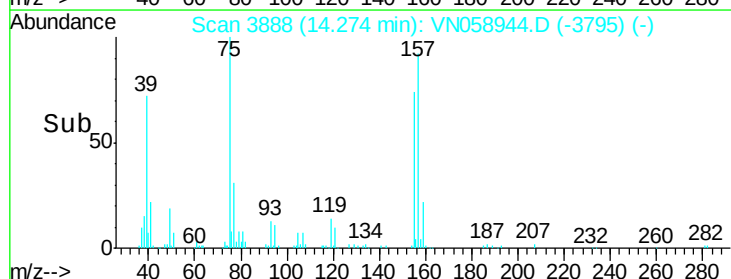
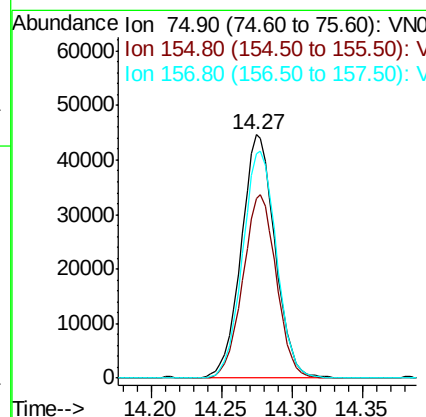
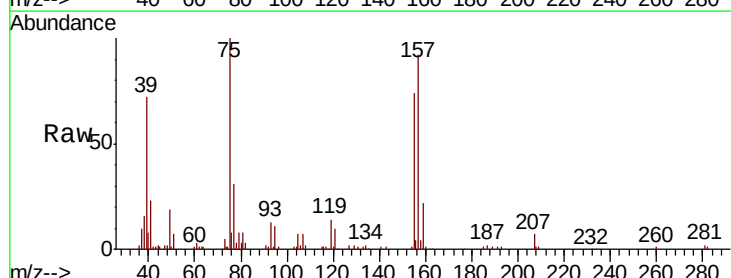
Manual Integrations
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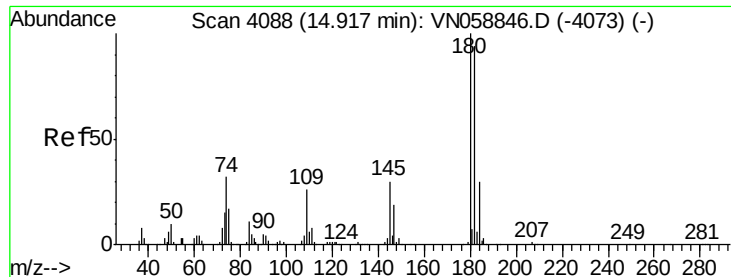
MMDadoda
 10/25/2019 2:44:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.290 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	35.6	106.8
157	93.2	47.4	142.2





#93

1,2,4-Trichlorobenzene

Concen: 49.227 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

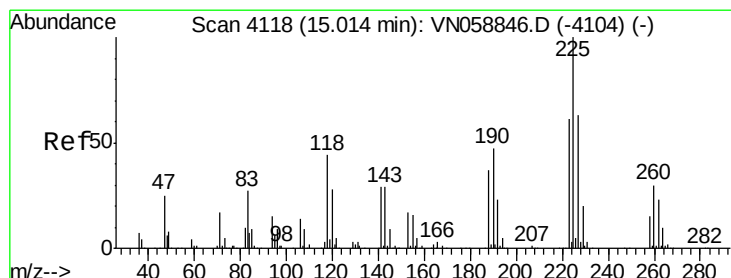
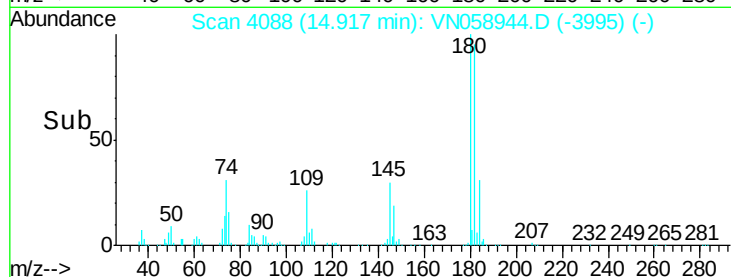
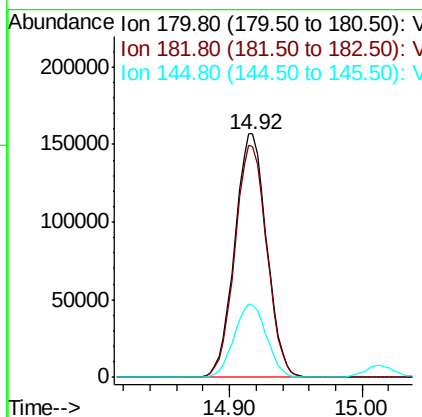
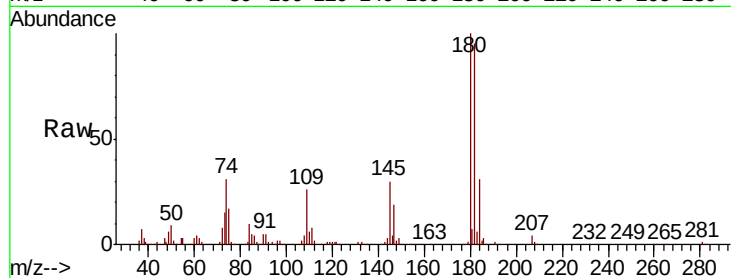
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	262015
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	30.5	15.3	45.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 49.121 ug/l

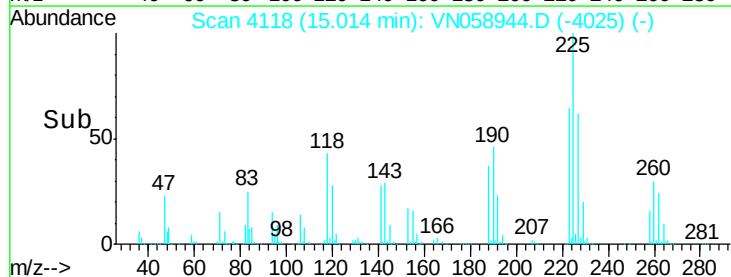
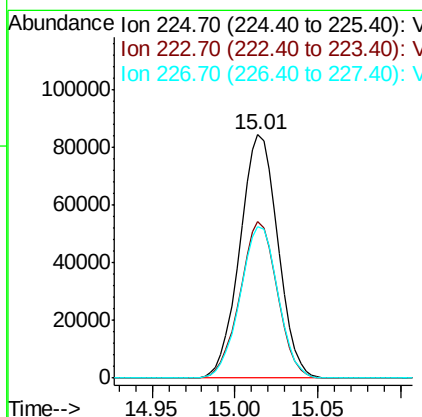
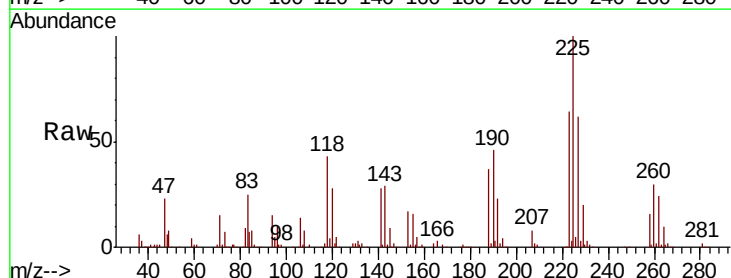
RT: 15.01 min Scan# 4118

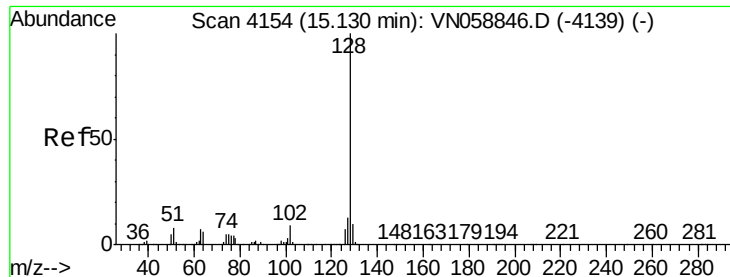
Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:	225	Resp:	134724
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.5
227	61.9	31.6	94.7





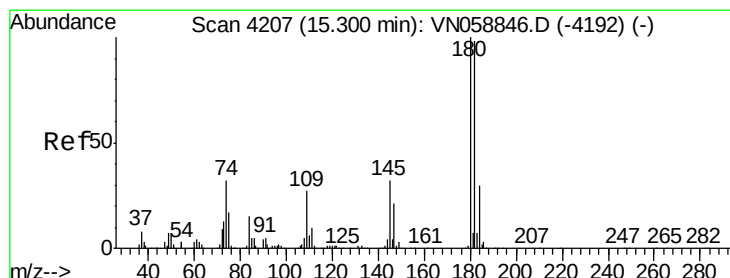
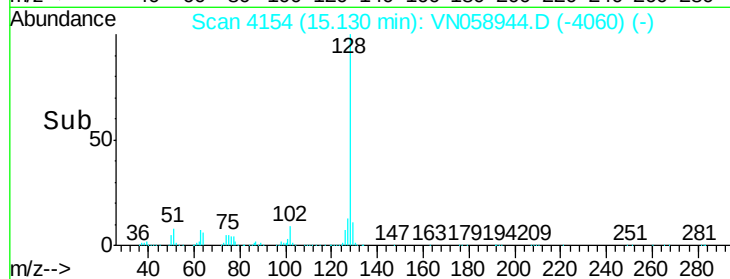
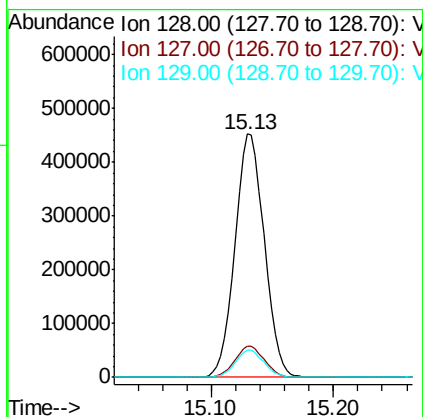
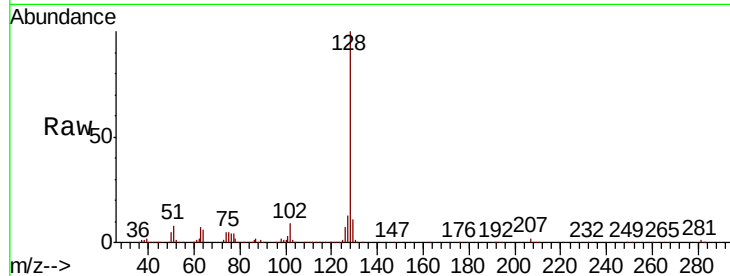
#95
Naphthalene
Concen: 49.233 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/25/2019 2:44:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.199 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.9	15.9	47.7

