

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061129.D
 Acq On : 22 Apr 2020 14:44
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:35:00 PM

Quant Time: Apr 22 15:22:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	211504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	341162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	323023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.16	152	160584	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.77	65	269332	98.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.54%	
35) Dibromofluoromethane	7.31	113	191517	96.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.32%	
50) Toluene-d8	9.88	98	826026	106.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.38%	
62) 4-Bromofluorobenzene	12.21	95	314119	104.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.72	85	202793	84.712	ug/l 99
3) Chloromethane	1.91	50	232249	65.935	ug/l 100
4) Vinyl Chloride	2.03	62	285574	92.432	ug/l 97
5) Bromomethane	2.37	94	134858	87.415	ug/l 99
6) Chloroethane	2.51	64	149278	85.346	ug/l 100
7) Trichlorofluoromethane	2.82	101	302133	80.981	ug/l 99
8) Diethyl Ether	3.17	74	135371	89.239	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.50	101	202704	89.715	ug/l 99
10) Methyl Iodide	3.68	142	288672	129.975	ug/l 100
11) Tert butyl alcohol	4.44	59	182148	394.044	ug/l 99
12) 1,1-Dichloroethene	3.49	96	202597	88.888	ug/l 98
13) Acrolein	3.36	56	149812	389.525	ug/l 99
14) Allyl chloride	4.03	41	266861	64.237	ug/l 98
15) Acrylonitrile	4.64	53	575630	451.804	ug/l 100
16) Acetone	3.54	43	461162	401.081	ug/l 99
17) Carbon Disulfide	3.78	76	605666	85.006	ug/l 100
18) Methyl Acetate	4.02	43	334948	91.739	ug/l 98
19) Methyl tert-butyl Ether	4.69	73	718799	90.032	ug/l 99
20) Methylene Chloride	4.24	84	228935	89.041	ug/l 99
21) trans-1,2-Dichloroethene	4.70	96	226465	91.836	ug/l 99
22) Diisopropyl ether	5.61	45	757158	85.164	ug/l 98
23) Vinyl Acetate	5.55	43	3110828	443.891	ug/l 99
24) 1,1-Dichloroethane	5.51	63	416093	86.164	ug/l 99
25) 2-Butanone	6.51	43	777256	436.493	ug/l 98
26) 2,2-Dichloropropane	6.50	77	372994	92.091	ug/l 100
27) cis-1,2-Dichloroethene	6.51	96	259688	91.991	ug/l 100
28) Bromochloromethane	6.89	49	187367	85.857	ug/l 99
29) Tetrahydrofuran	6.90	42	530857	437.898	ug/l 100
30) Chloroform	7.08	83	418816	91.881	ug/l 100
31) Cyclohexane	7.37	56	393661	79.983	ug/l 97
32) 1,1,1-Trichloroethane	7.29	97	371454	93.934	ug/l 99
36) 1,1-Dichloropropene	7.52	75	323288	92.529	ug/l 100
37) Ethyl Acetate	6.61	43	339156	90.117	ug/l 100
38) Carbon Tetrachloride	7.50	117	299061	102.415	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061129.D
 Acq On : 22 Apr 2020 14:44
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:35:00 PM

Quant Time: Apr 22 15:22:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	400055	95.530	ug/l	99
40) Benzene	7.78	78	951834	91.831	ug/l	99
41) Methacrylonitrile	6.87	41	166906m	104.644	ug/l	
42) 1,2-Dichloroethane	7.87	62	336775	94.911	ug/l	99
43) Isopropyl Acetate	7.92	43	565327	92.176	ug/l	99
44) Trichloroethene	8.60	130	273221	102.332	ug/l	99
45) 1,2-Dichloropropane	8.89	63	249439	89.431	ug/l	100
46) Dibromomethane	8.98	93	165299	101.089	ug/l	98
47) Bromodichloromethane	9.18	83	333713	97.434	ug/l	100
48) Methyl methacrylate	8.98	41	270666	99.142	ug/l	99
49) 1,4-Dioxane	8.98	88	56016	1690.620	ug/l	98
51) 4-Methyl-2-Pentanone	9.78	43	1691043	476.807	ug/l	99
52) Toluene	9.95	92	606740	97.022	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	402048	100.920	ug/l	100
54) cis-1,3-Dichloropropene	9.63	75	416597	96.203	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	234448	98.861	ug/l	99
56) Ethyl methacrylate	10.24	69	385329	103.920	ug/l	99
57) 1,3-Dichloropropane	10.51	76	399320	95.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	994396	564.988	ug/l	99
59) 2-Hexanone	10.56	43	1275549	497.346	ug/l	99
60) Dibromochloromethane	10.71	129	257385	105.191	ug/l	100
61) 1,2-Dibromoethane	10.81	107	250080	102.892	ug/l	99
64) Tetrachloroethene	10.43	164	298381	114.374	ug/l	100
65) Chlorobenzene	11.24	112	634395	95.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	230878	96.522	ug/l	100
67) Ethyl Benzene	11.32	91	1176734	93.925	ug/l	99
68) m/p-Xylenes	11.43	106	891473	195.681	ug/l	99
69) o-Xylene	11.76	106	423825	96.749	ug/l	98
70) Styrene	11.77	104	731483	103.750	ug/l	100
71) Bromoform	11.93	173	190319	106.676	ug/l	# 100
73) Isopropylbenzene	12.06	105	1147503	89.539	ug/l	100
74) N-amyl acetate	11.89	43	538601	91.011	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.32	83	310812	81.147	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	362195m	100.909	ug/l	
77) Bromobenzene	12.33	156	280112	92.863	ug/l	99
78) n-propylbenzene	12.40	91	1354641	90.638	ug/l	100
79) 2-Chlorotoluene	12.48	91	780669	89.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.55	105	975147	92.113	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	141573	98.535	ug/l	99
82) 4-Chlorotoluene	12.58	91	832554	91.545	ug/l	100
83) tert-Butylbenzene	12.81	119	826086	92.468	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	972217	92.841	ug/l	99
85) sec-Butylbenzene	12.98	105	1121007	92.943	ug/l	100
86) p-Isopropyltoluene	13.10	119	1014998	94.247	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	501668	93.759	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	501519	92.958	ug/l	99
89) n-Butylbenzene	13.43	91	937847	94.018	ug/l	99
90) Hexachloroethane	13.68	117	114693	74.261	ug/l	98
91) 1,2-Dichlorobenzene	13.46	146	464510	91.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	68867	91.918	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
Data File : VN061129.D
Acq On : 22 Apr 2020 14:44
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM

Quant Time: Apr 22 15:22:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 22 14:48:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	308667	101.443	ug/l	100
94) Hexachlorobutadiene	14.82	225	130173	84.954	ug/l	99
95) Naphthalene	14.93	128	968759	107.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	298523	101.745	ug/l	100

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

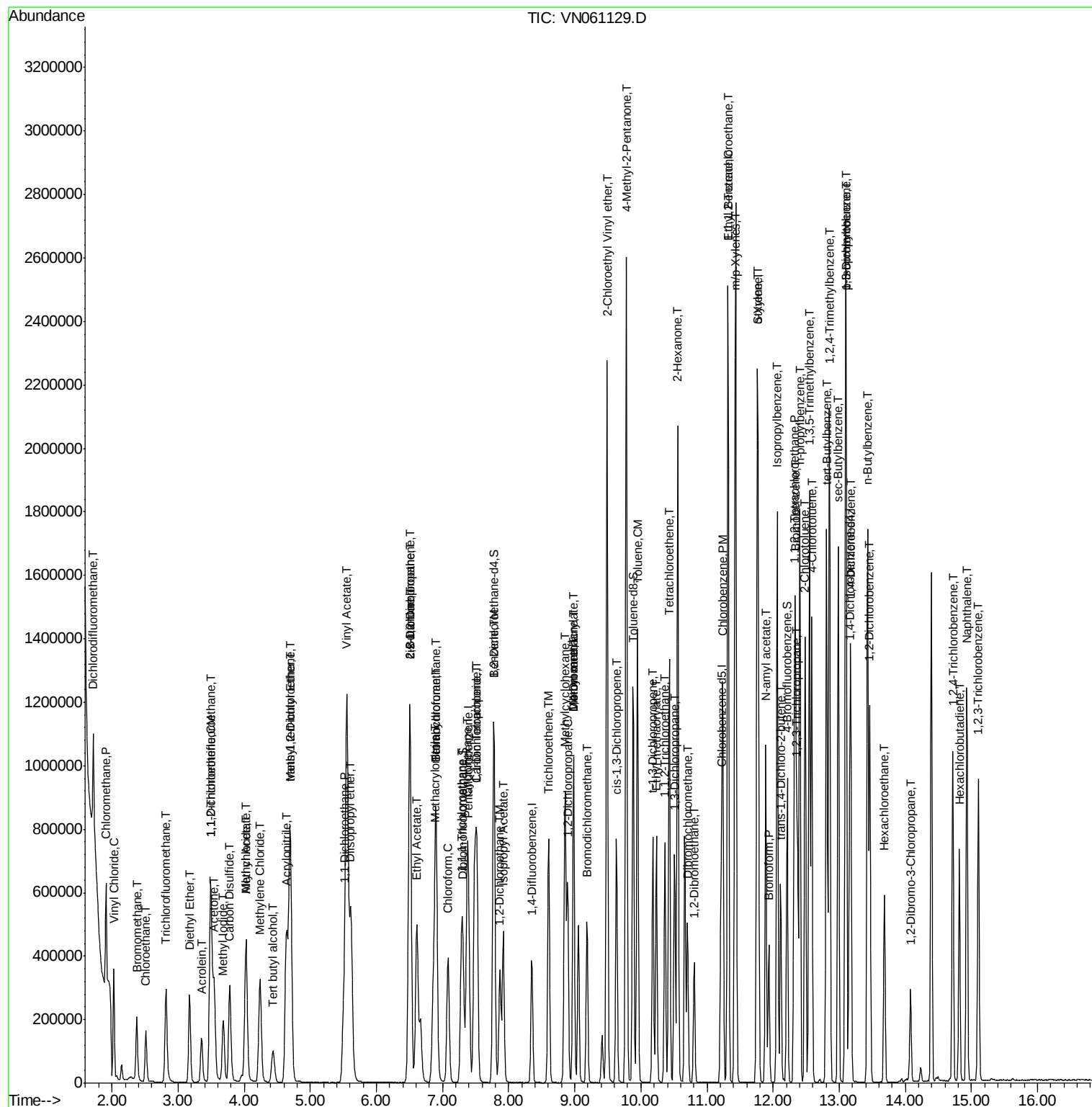
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042220\
Data File : VN061129.D
Acq On : 22 Apr 2020 14:44
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

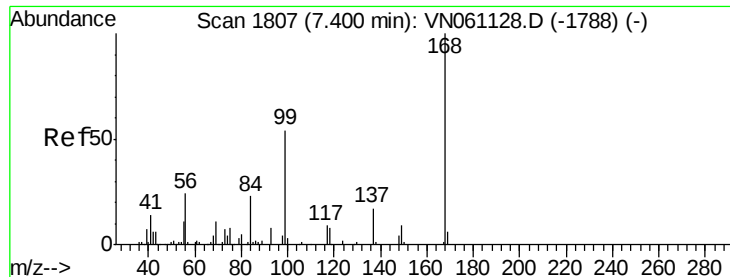
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM

Quant Time: Apr 22 15:22:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 22 14:48:06 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 211504

Ion Ratio Lower Upper

168 100

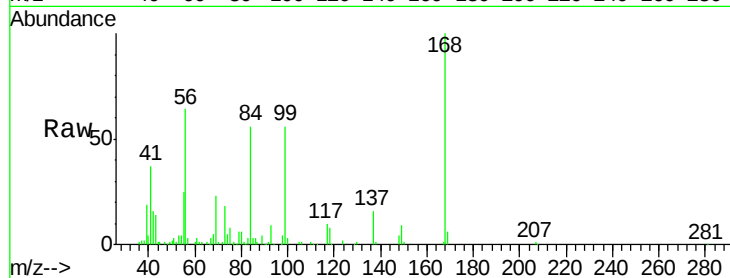
99 55.8 44.3 66.5

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:35:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.40

80000

60000

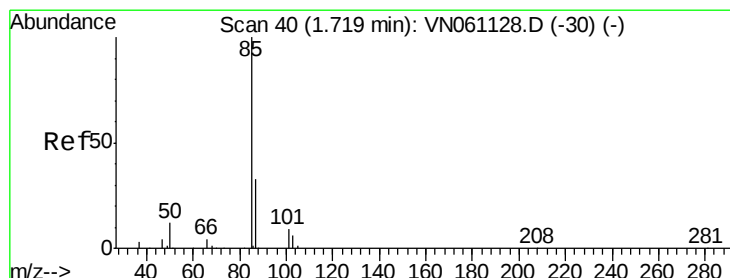
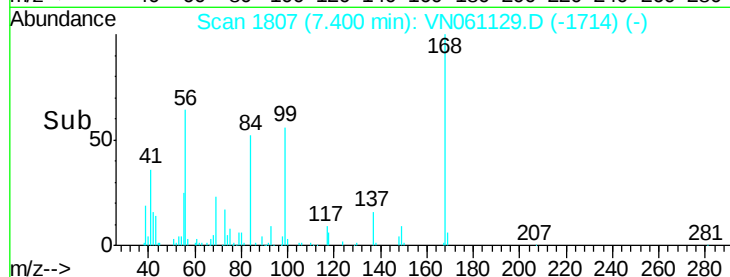
40000

20000

0

7.30 7.40 7.50

Time-->



#2

Dichlorodifluoromethane

Concen: 84.712 ug/l

RT: 1.72 min Scan# 40

Delta R.T. -0.00 min

Lab File: VN061129.D

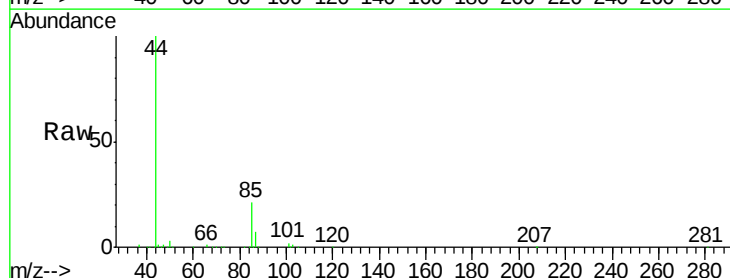
Acq: 22 Apr 2020 14:44

Tgt Ion: 85 Resp: 202793

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.72

150000

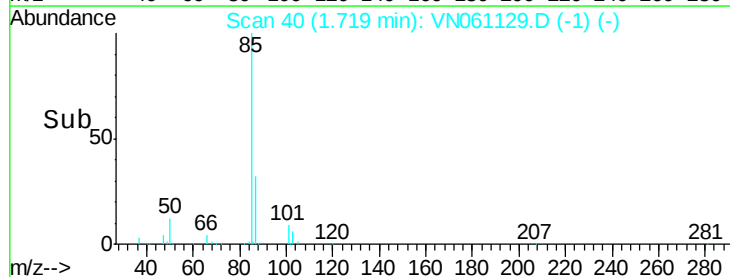
100000

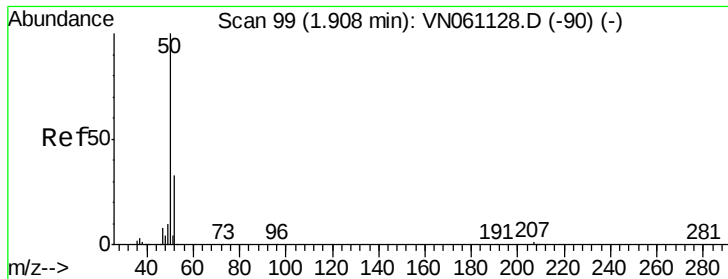
50000

0

1.65 1.70 1.75 1.80

Time-->





#3

Chloromethane

Concen: 65.935 ug/l

RT: 1.91 min Scan# 99

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 232249

Ion Ratio Lower Upper

50 100

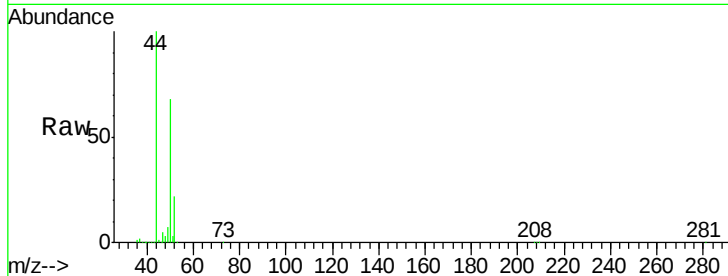
52 32.8 26.3 39.5

Manual Integrations

APPROVED

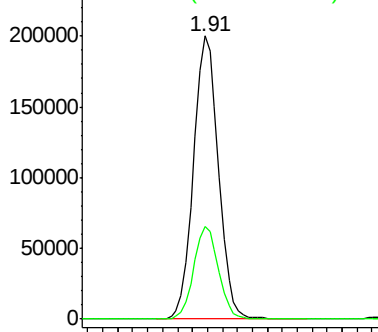
MMDadoda

4/24/2020 1:35:00 PM

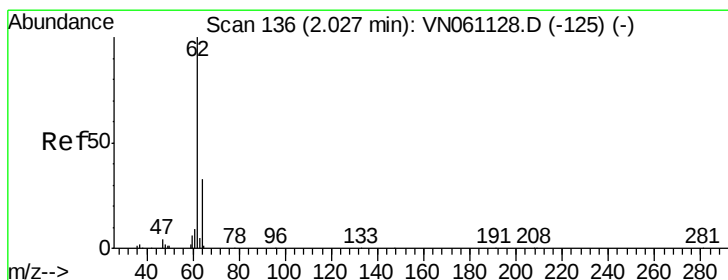
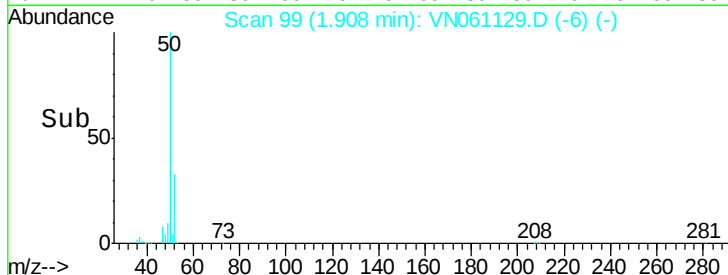


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 92.432 ug/l

RT: 2.03 min Scan# 136

Delta R.T. -0.00 min

Lab File: VN061129.D

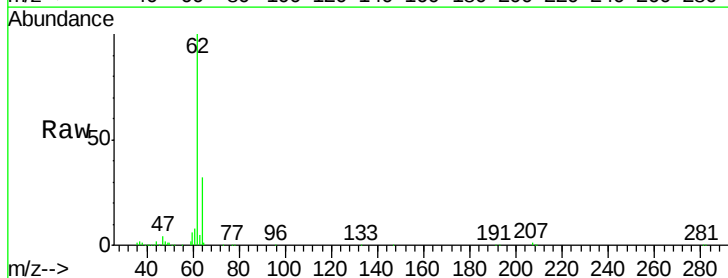
Acq: 22 Apr 2020 14:44

Tgt Ion: 62 Resp: 285574

Ion Ratio Lower Upper

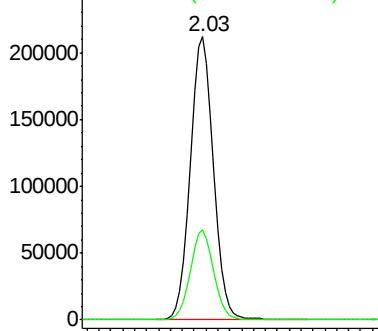
62 100

64 31.7 26.6 40.0

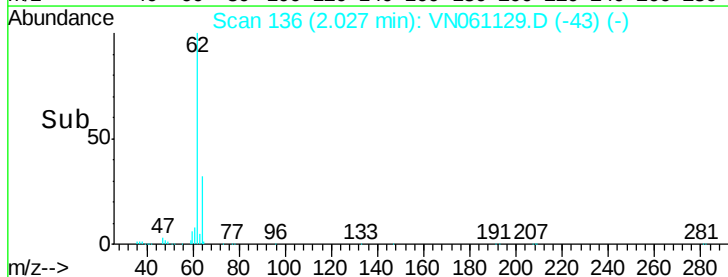


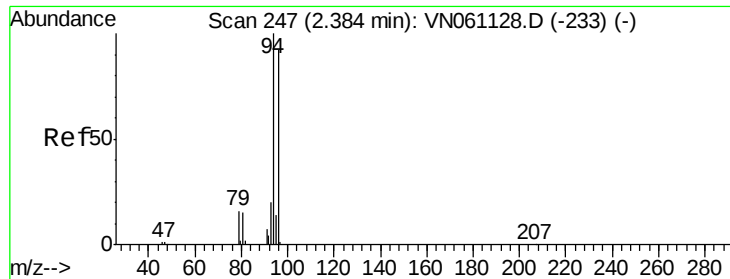
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 87.415 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 134858

Ion Ratio Lower Upper

94 100

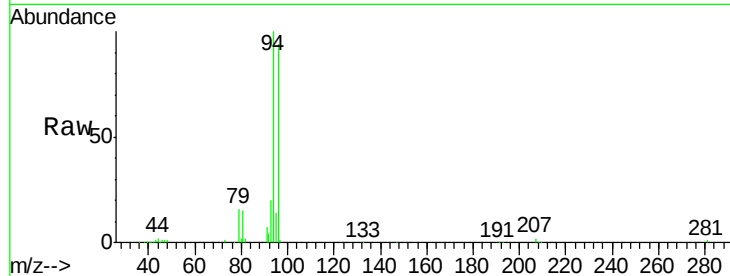
96 93.3 73.6 110.4

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:35:00 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.37

80000

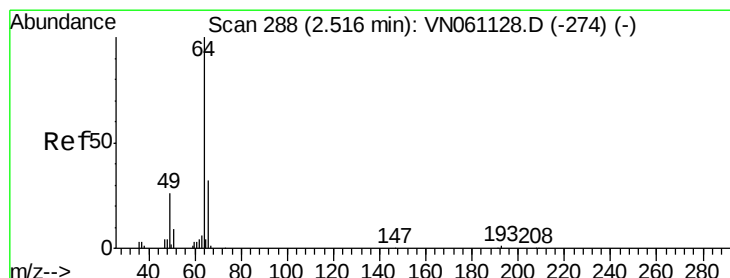
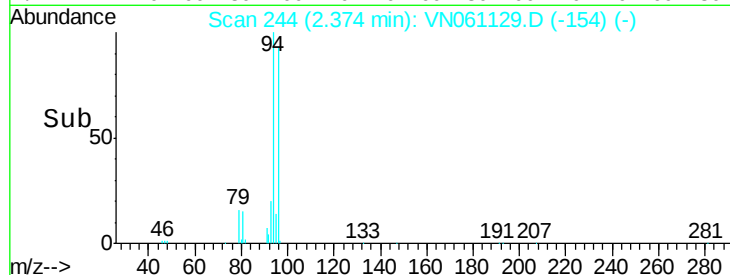
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 85.346 ug/l

RT: 2.51 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN061129.D

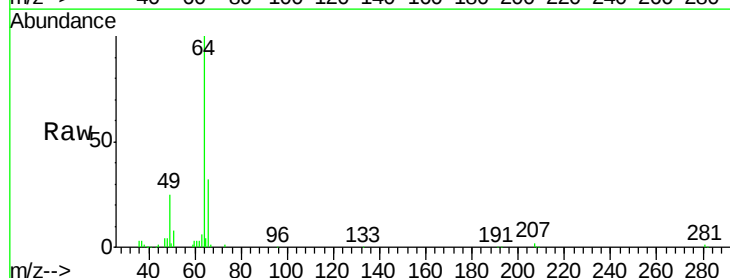
Acq: 22 Apr 2020 14:44

Tgt Ion: 64 Resp: 149278

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.51

80000

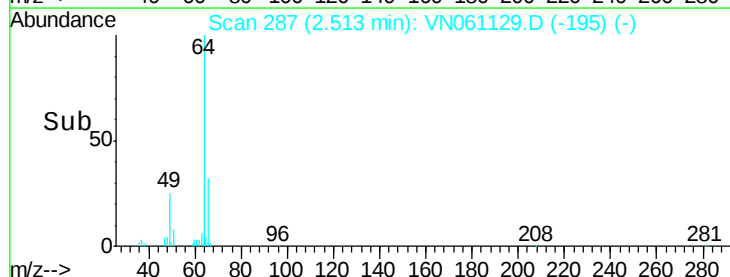
60000

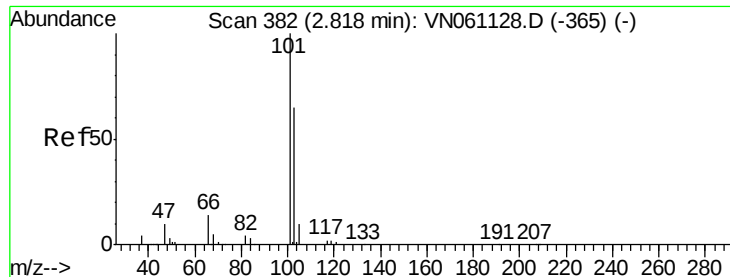
40000

20000

0

Time-->





#7

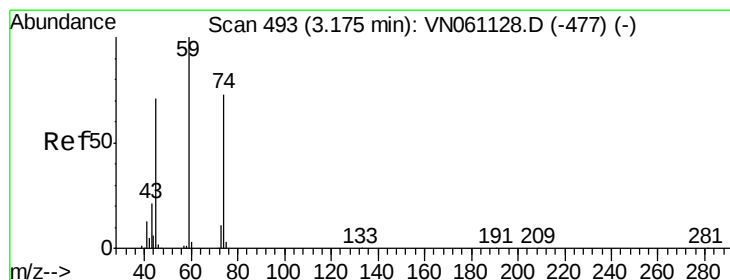
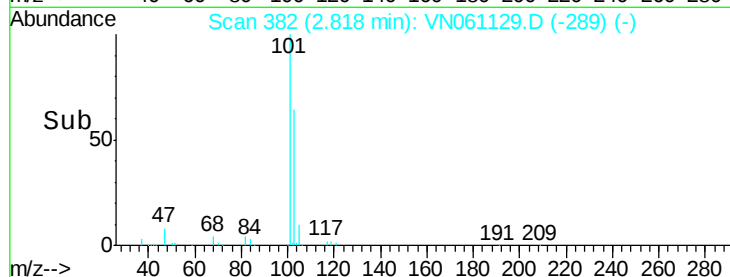
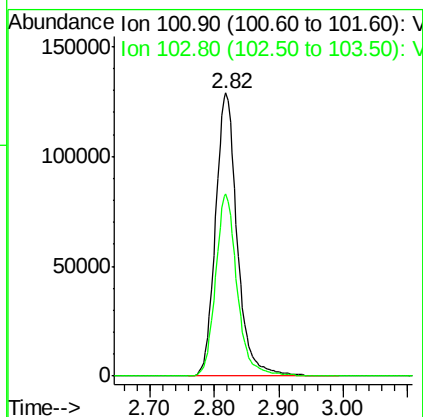
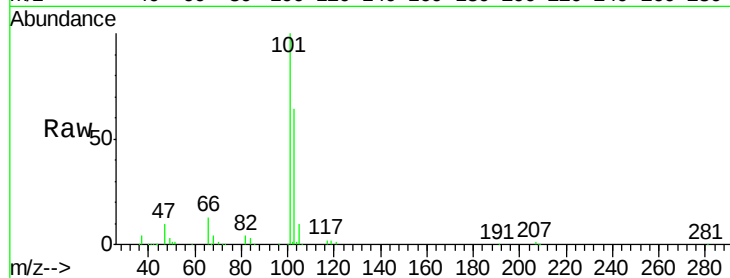
Trichlorofluoromethane
Concen: 80.981 ug/l
RT: 2.82 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

Manual Integrations
APPROVED

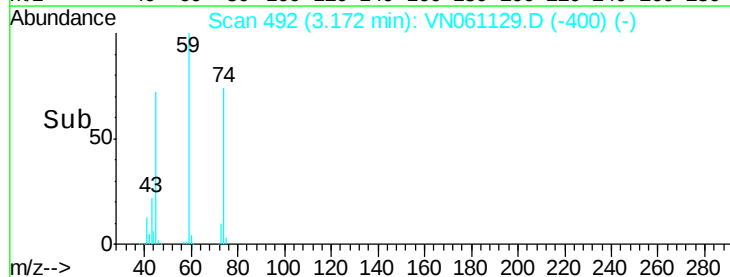
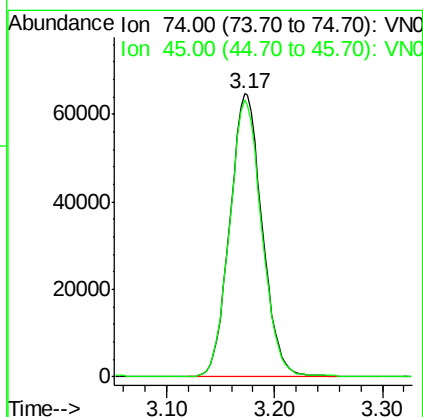
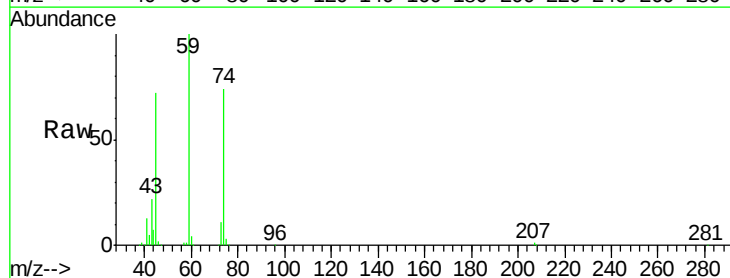
MMDadoda
4/24/2020 1:35:00 PM

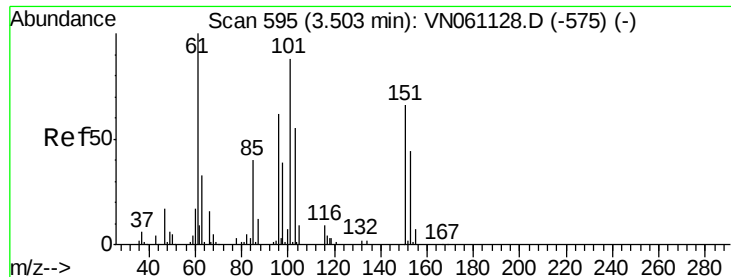


#8

Diethyl Ether
Concen: 89.239 ug/l
RT: 3.17 min Scan# 492
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.1	147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.715 ug/l

RT: 3.50 min Scan# 595

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

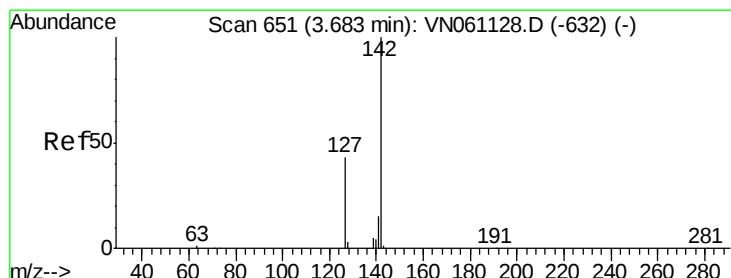
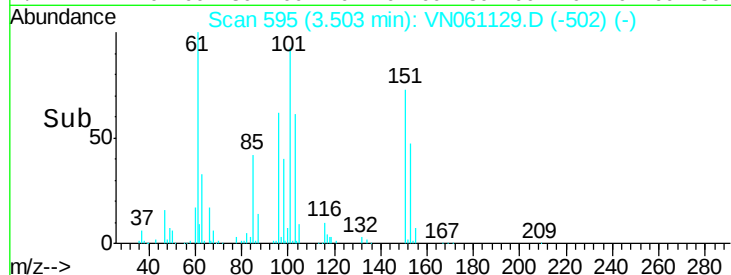
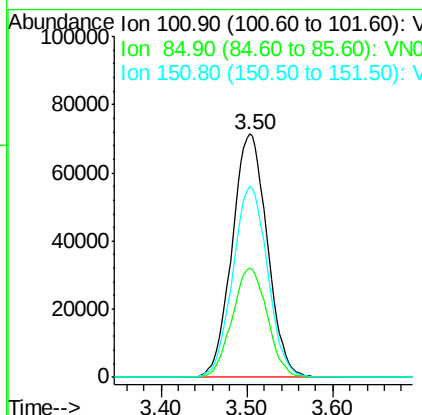
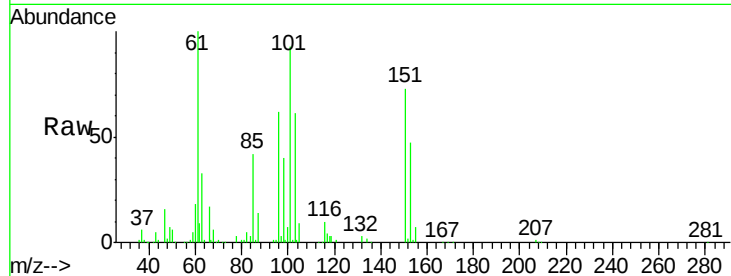
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	202704
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.2	54.4
151	77.8	61.8	92.8

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#10

Methyl Iodide

Concen: 129.975 ug/l

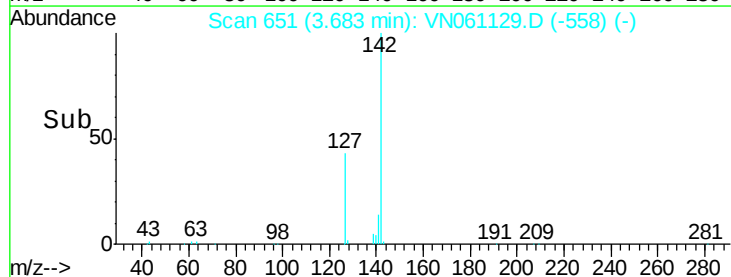
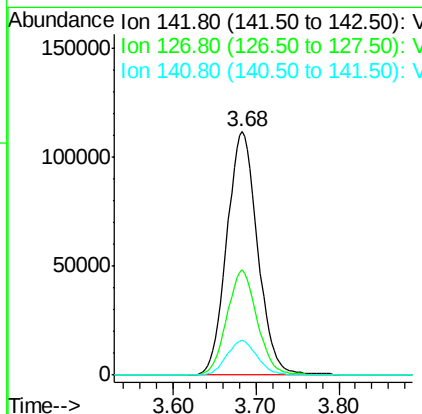
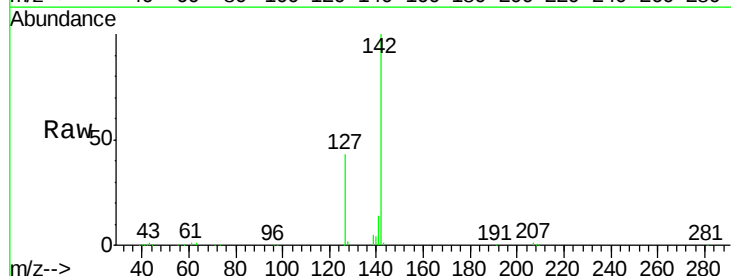
RT: 3.68 min Scan# 651

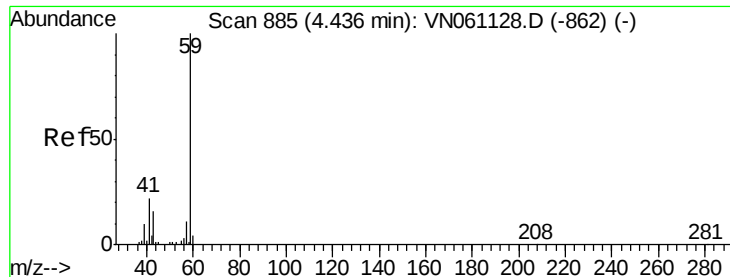
Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion:	142	Resp:	288672
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.2	51.4
141	14.1	11.3	16.9





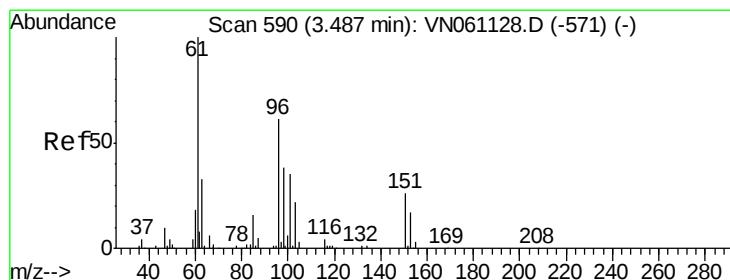
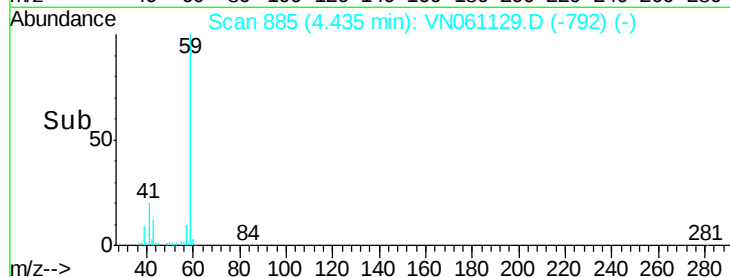
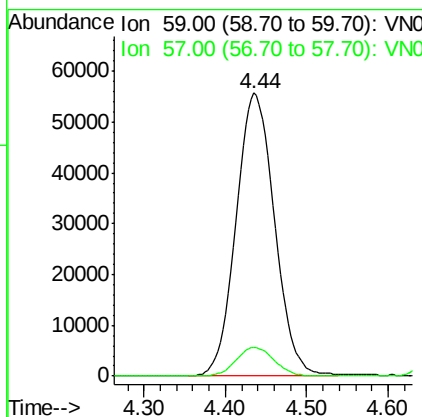
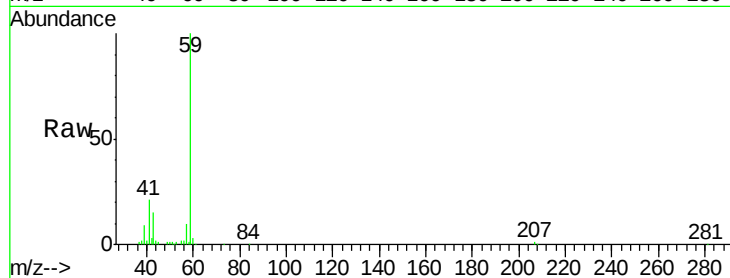
#11
Tert butyl alcohol
Concen: 394.044 ug/l
RT: 4.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	182148		
57	57	10.1		8.2	12.4

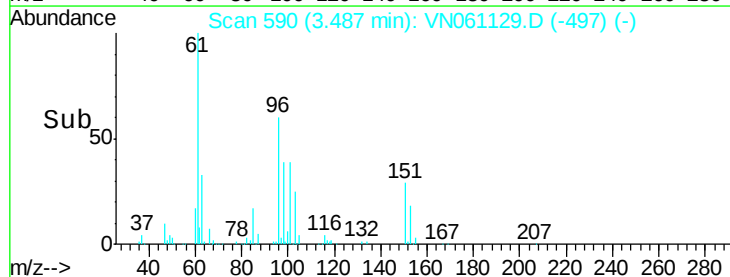
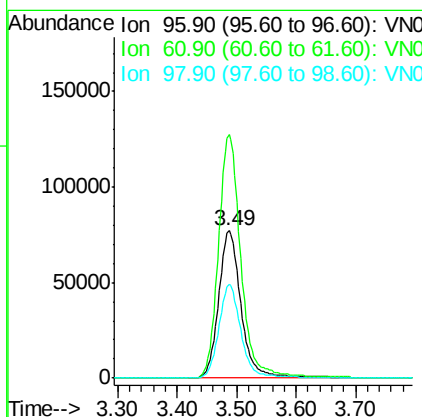
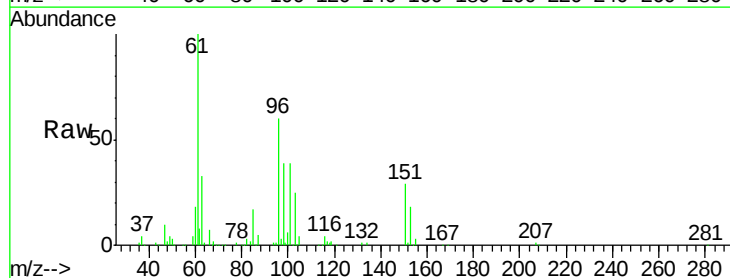
Manual Integrations
APPROVED

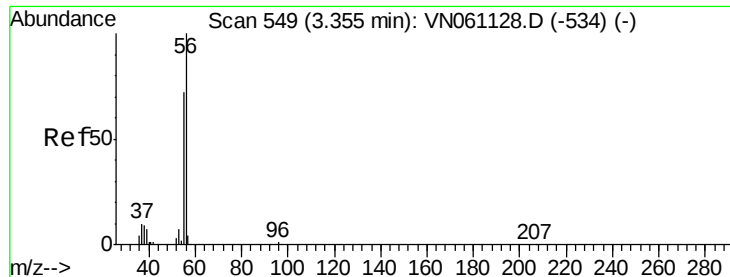
MMDadoda
4/24/2020 1:35:00 PM



#12
1,1-Dichloroethene
Concen: 88.888 ug/l
RT: 3.49 min Scan# 590
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	202597		
61	61	165.5		130.8	196.2
98	98	63.9		49.4	74.2





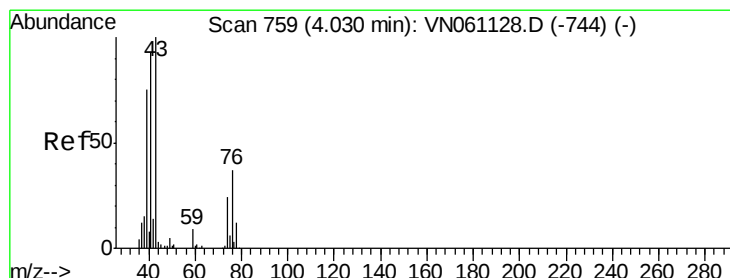
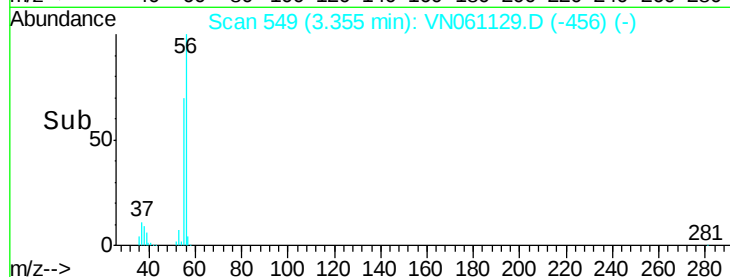
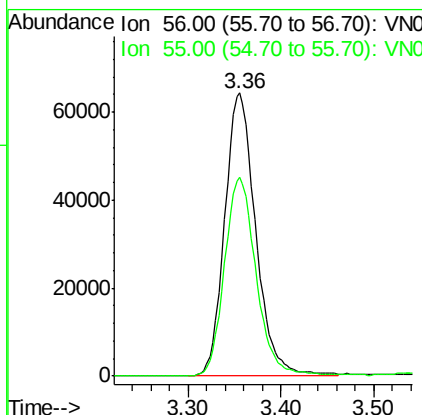
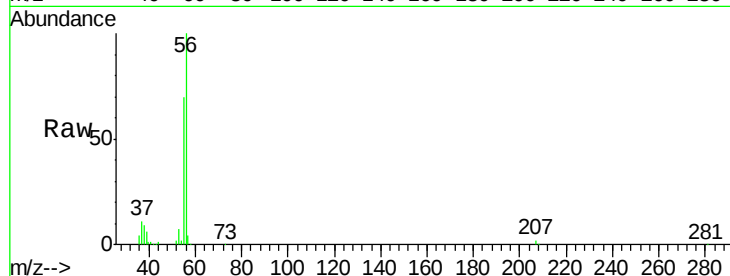
#13
Acrolein
Concen: 389.525 ug/l
RT: 3.36 min Scan# 549
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	149812
Ion Ratio	Lower	Upper	
56	100		
55	71.2	57.4	86.0

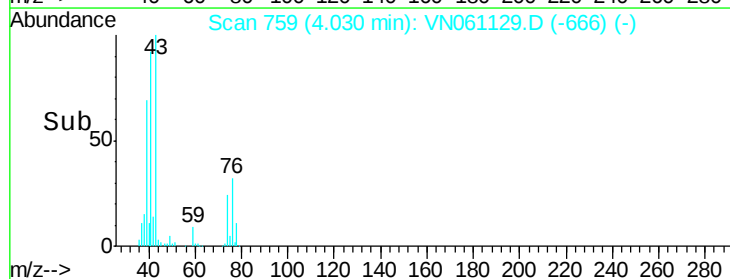
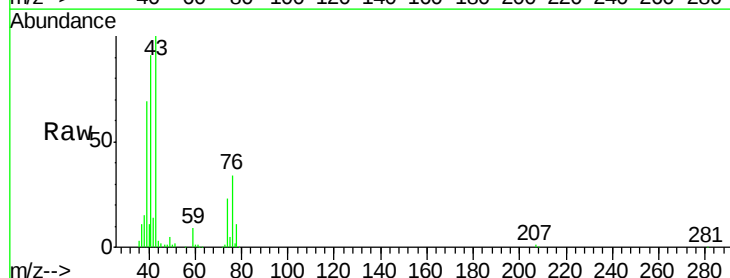
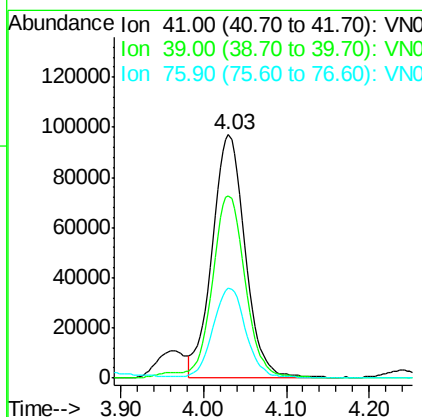
Manual Integrations
APPROVED

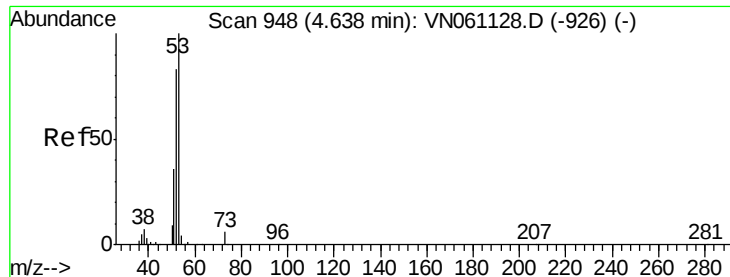
MMDadoda
4/24/2020 1:35:00 PM



#14
Allyl chloride
Concen: 64.237 ug/l
RT: 4.03 min Scan# 759
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	41	Resp	266861
Ion Ratio	Lower	Upper	
41	100		
39	74.4	61.0	91.4
76	36.8	28.9	43.3





#15

Acrylonitrile

Concen: 451.804 ug/l

RT: 4.64 min Scan# 948

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

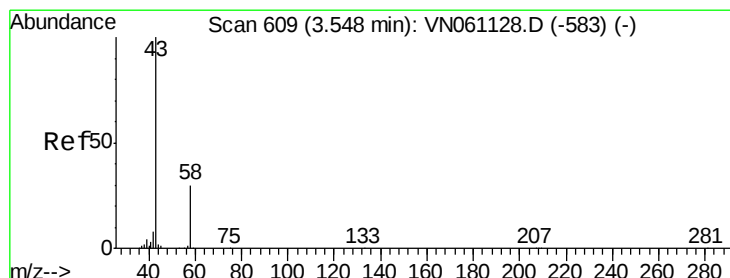
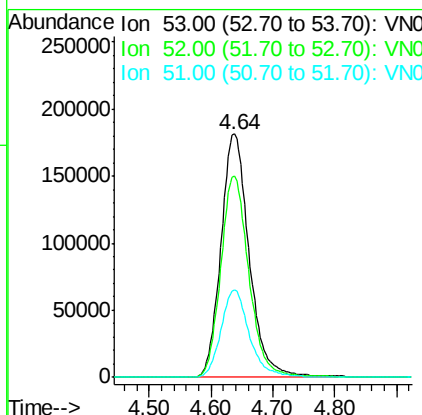
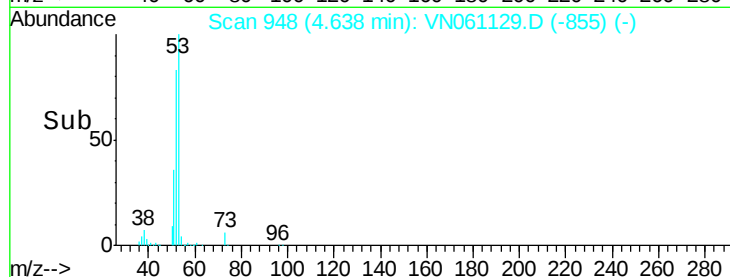
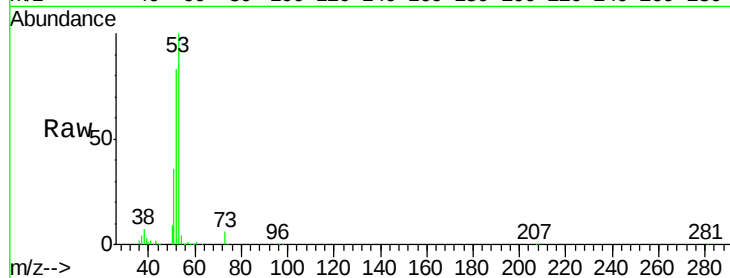
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	575630
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.1	99.1
51	36.4	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#16

Acetone

Concen: 401.081 ug/l

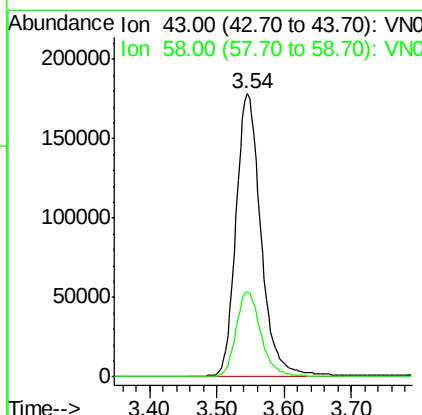
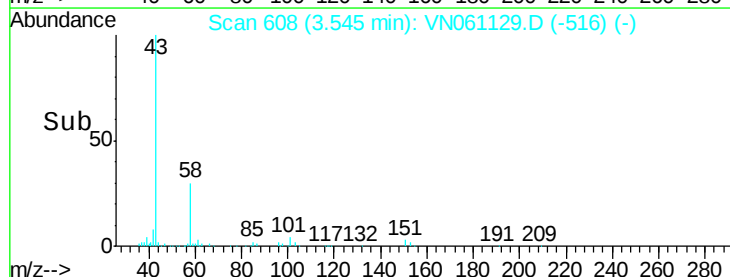
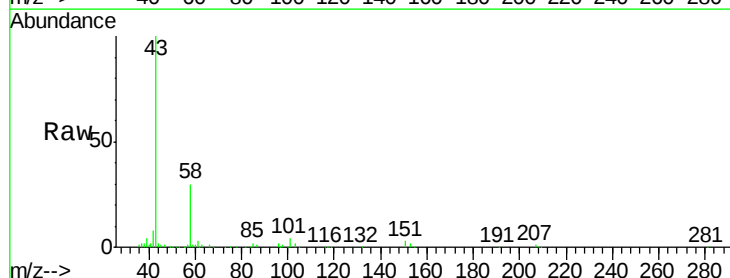
RT: 3.54 min Scan# 608

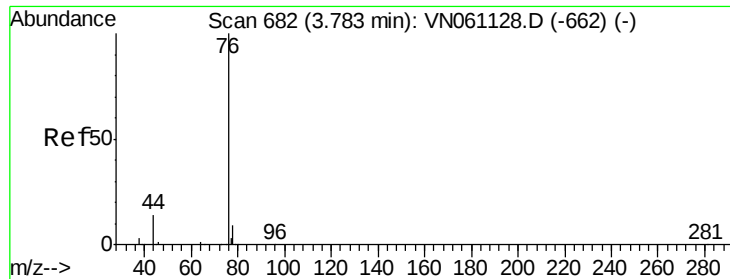
Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion:	43	Resp:	461162
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.6	35.4





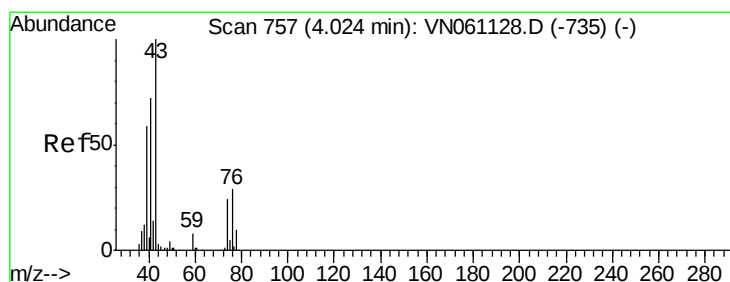
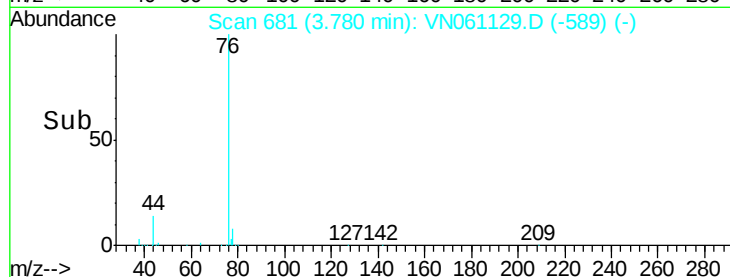
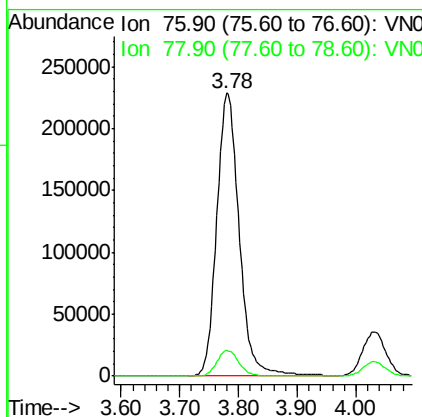
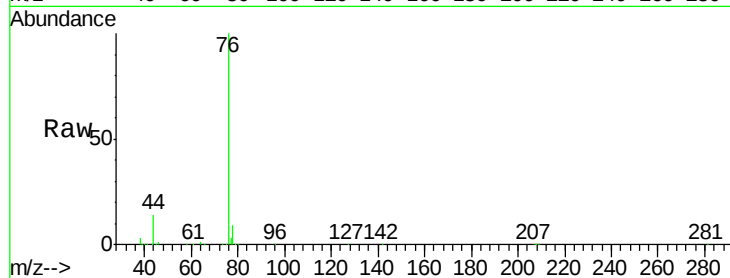
#17
Carbon Disulfide
Concen: 85.006 ug/l
RT: 3.78 min Scan# 681
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

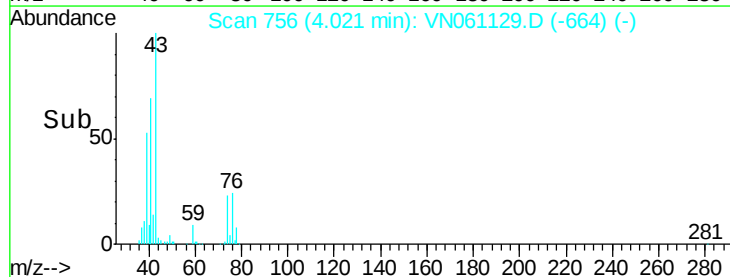
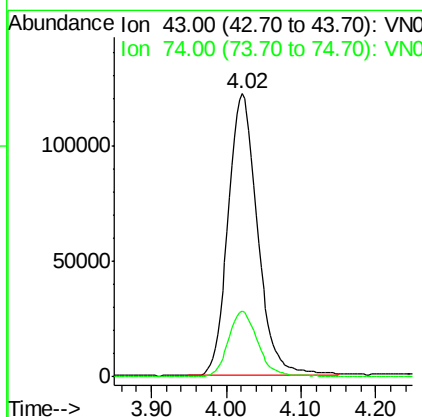
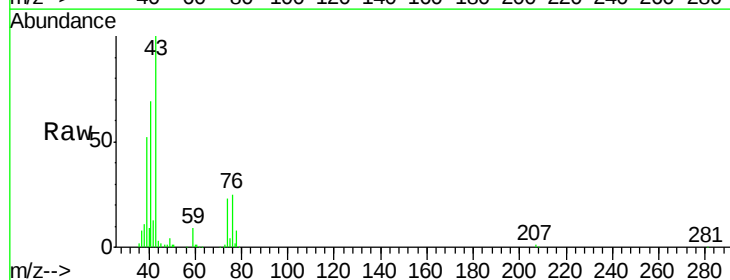
Manual Integrations
APPROVED

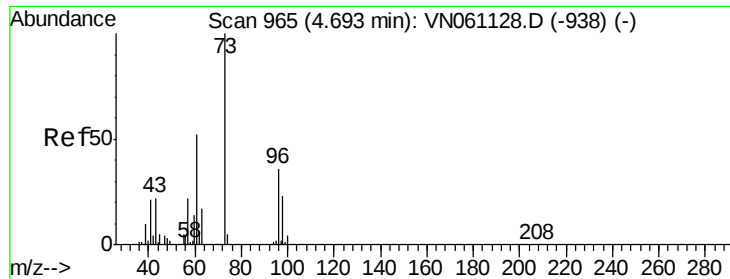
MMDadoda
4/24/2020 1:35:00 PM



#18
Methyl Acetate
Concen: 91.739 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.0





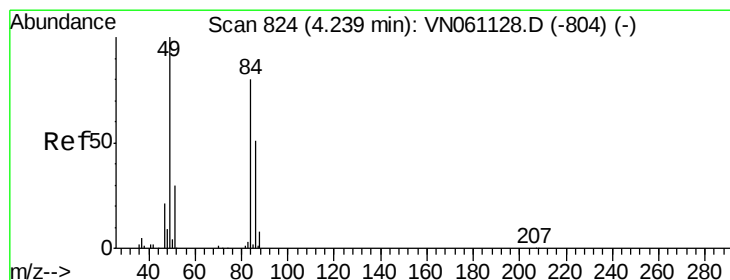
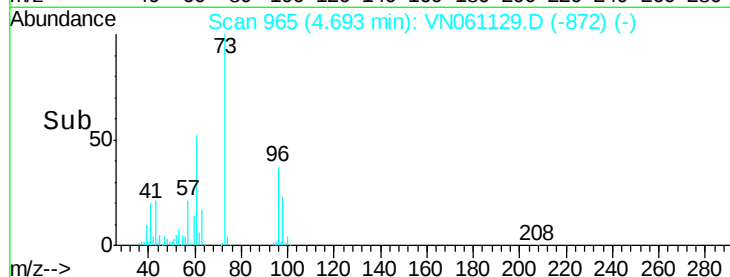
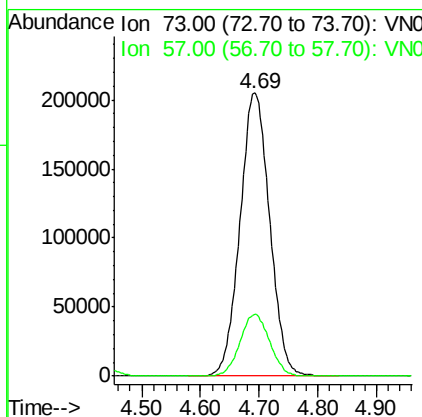
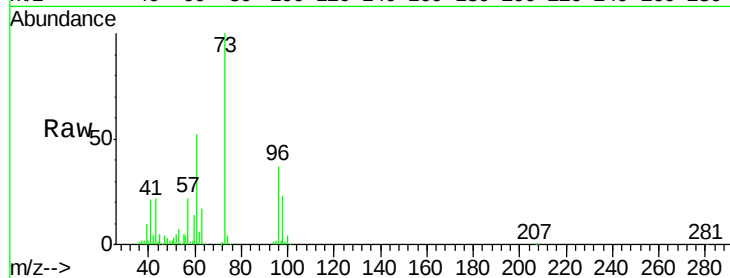
#19
Methvl tert-butvl Ether
Concen: 90.032 ug/l
RT: 4.69 min Scan# 965
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 718799
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

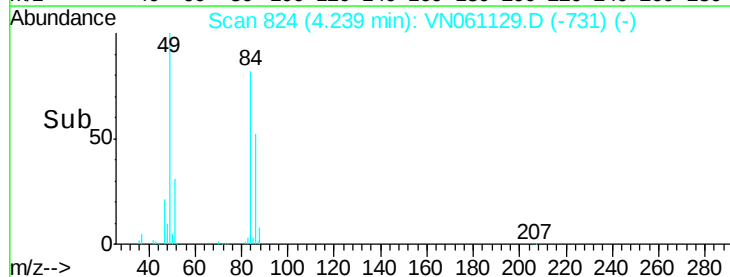
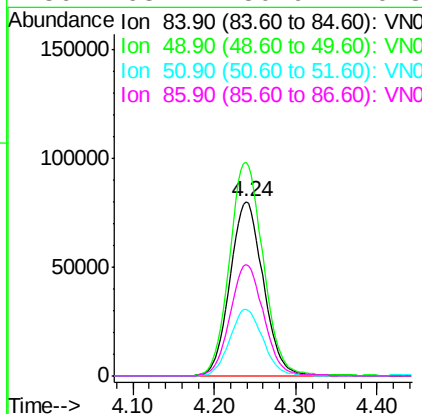
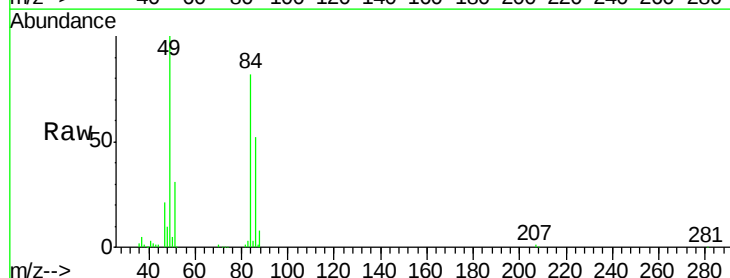
Manual Integrations
APPROVED

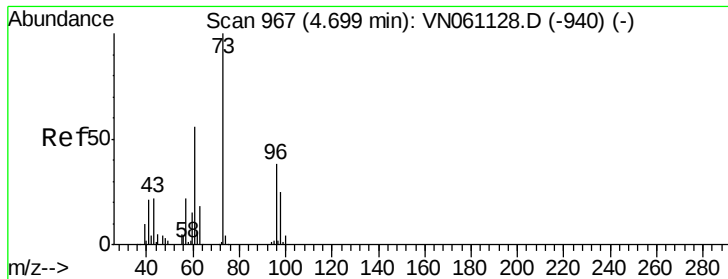
MMDadoda
4/24/2020 1:35:00 PM



#20
Methylene Chloride
Concen: 89.041 ug/l
RT: 4.24 min Scan# 824
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 84 Resp: 228935
Ion Ratio Lower Upper
84 100
49 122.4 99.8 149.6
51 38.0 29.9 44.9
86 63.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 91.836 ug/l

RT: 4.70 min Scan# 966

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 226465

Ion Ratio Lower Upper

96 100

61 144.3 116.4 174.6

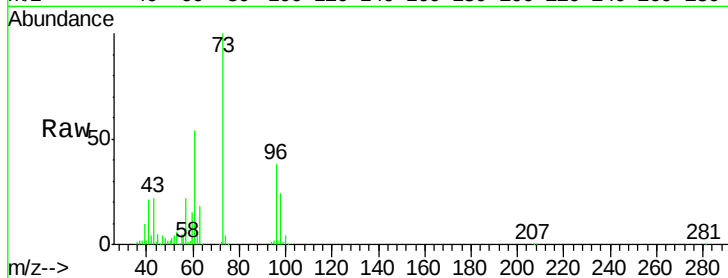
98 63.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:35:00 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061129.D (-874) (-)

Ion 60.90 (60.60 to 61.60): VN061129.D (-874) (-)

Ion 97.90 (97.60 to 98.60): VN061129.D (-874) (-)

150000

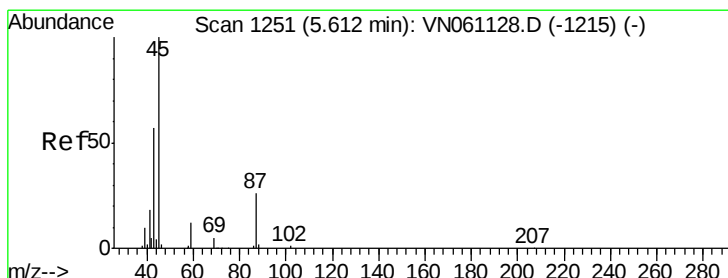
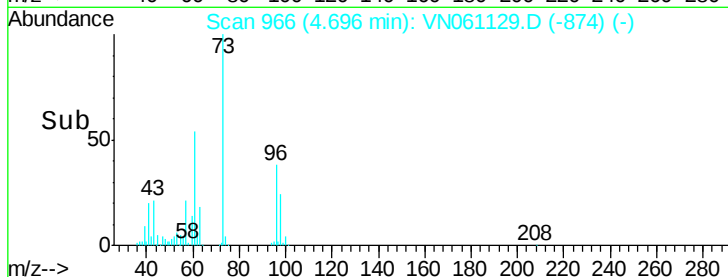
100000

50000

0

4.60 4.70 4.80

Time-->



#22

Diisopropyl ether

Concen: 85.164 ug/l

RT: 5.61 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion: 45 Resp: 757158

Ion Ratio Lower Upper

45 100

43 58.2 48.4 72.6

87 27.5 21.4 32.0

59 11.8 9.4 14.2

Abundance Ion 45.00 (44.70 to 45.70): VN061129.D (-1158) (-)

Ion 43.00 (42.70 to 43.70): VN061129.D (-1158) (-)

Ion 87.00 (86.70 to 87.70): VN061129.D (-1158) (-)

Ion 59.00 (58.70 to 59.70): VN061129.D (-1158) (-)

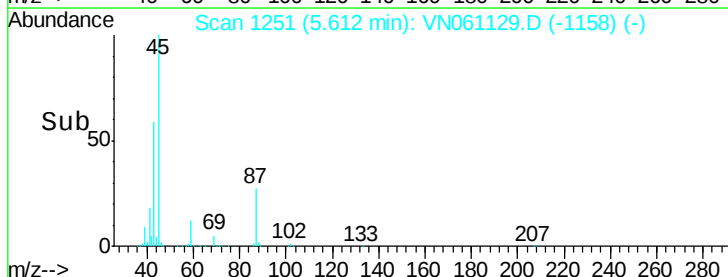
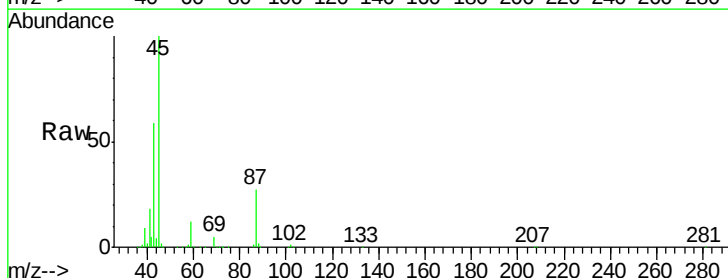
1000000

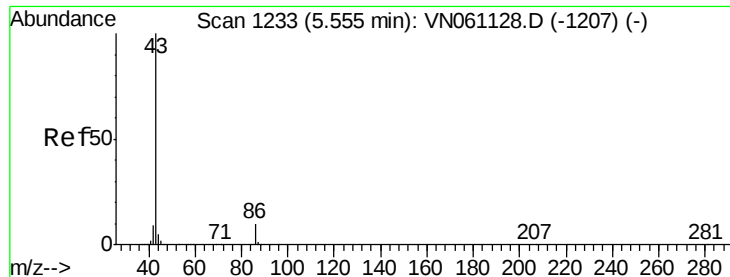
500000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#23

Vinyl Acetate

Concen: 443.891 ug/l

RT: 5.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 3110828

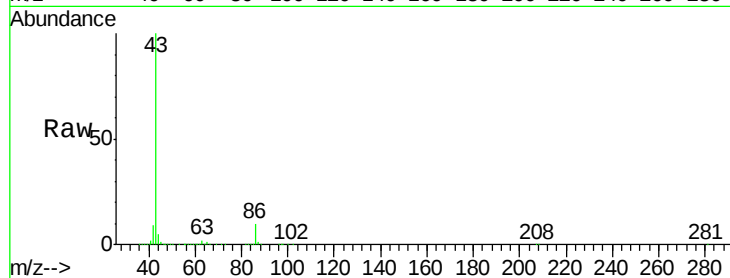
Ion Ratio Lower Upper

43 100

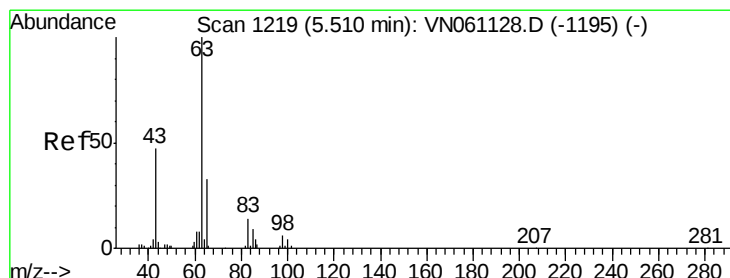
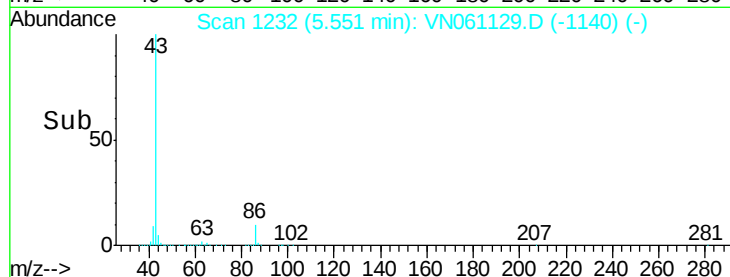
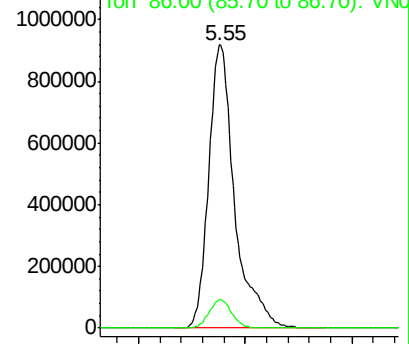
86 10.0 7.8 11.8

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0



#24

1,1-Dichloroethane

Concen: 86.164 ug/l

RT: 5.51 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

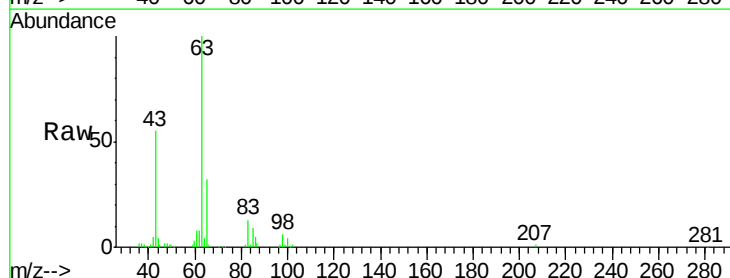
Tgt Ion: 63 Resp: 416093

Ion Ratio Lower Upper

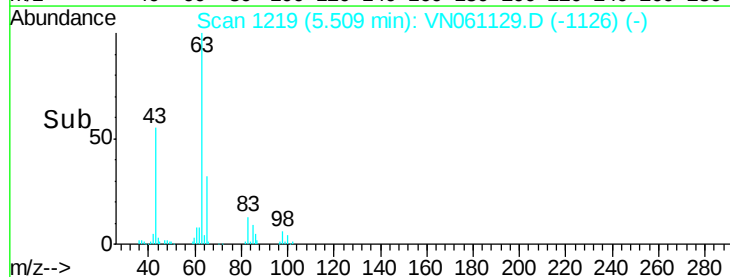
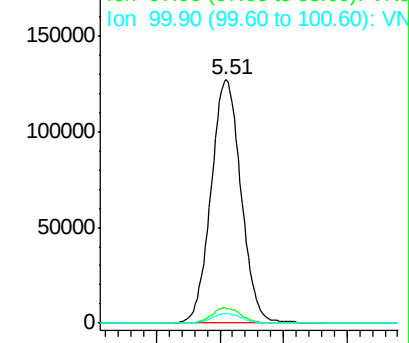
63 100

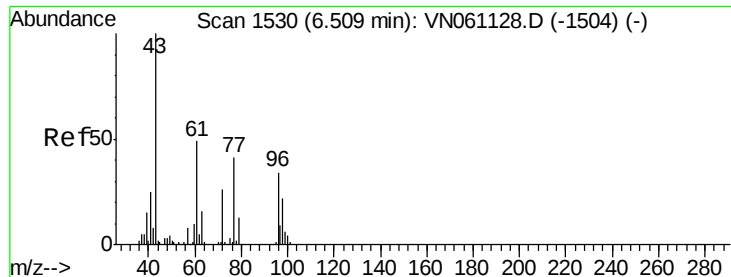
98 6.2 3.3 9.8

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0





#25

2-Butanone

Concen: 436.493 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tot Ion: 43 Resp: 777256

Ion Ratio Lower Upper

43 100

72 26.9 20.8 31.2

Instrument :

MSVOA_N

ClientSampleId :

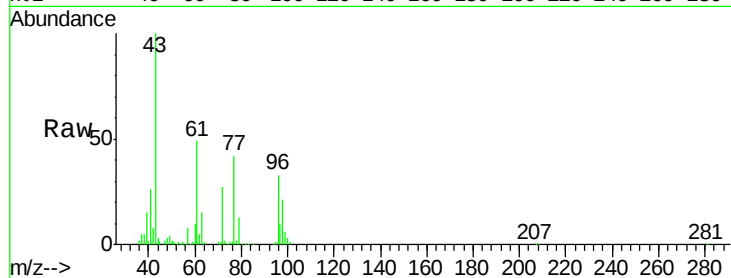
VSTDIC100

Manual Integrations

APPROVED

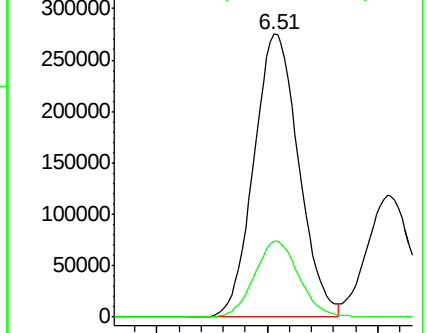
MMDadoda

4/24/2020 1:35:00 PM

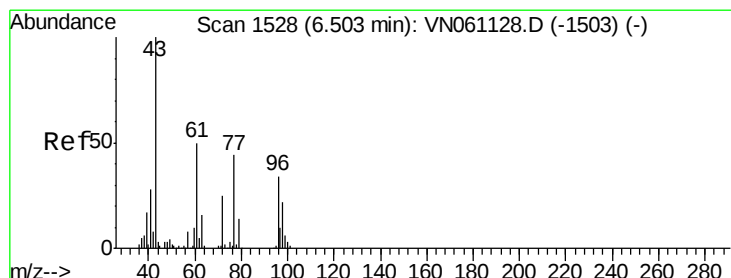
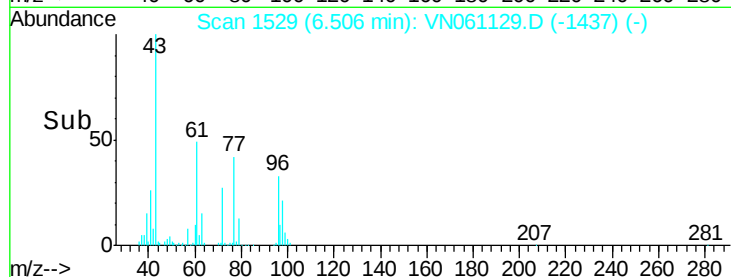


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 92.091 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.00 min

Lab File: VN061129.D

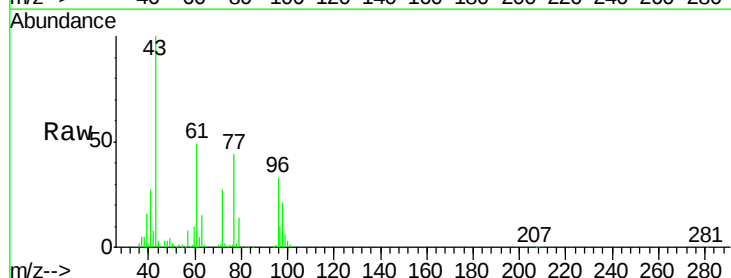
Acq: 22 Apr 2020 14:44

Tgt Ion: 77 Resp: 372994

Ion Ratio Lower Upper

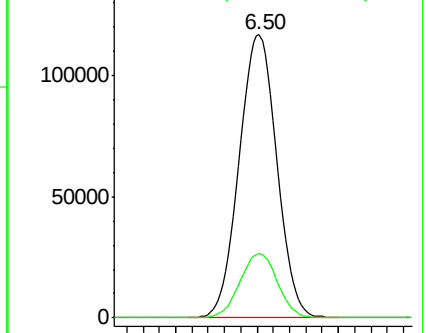
77 100

97 22.7 11.4 34.1

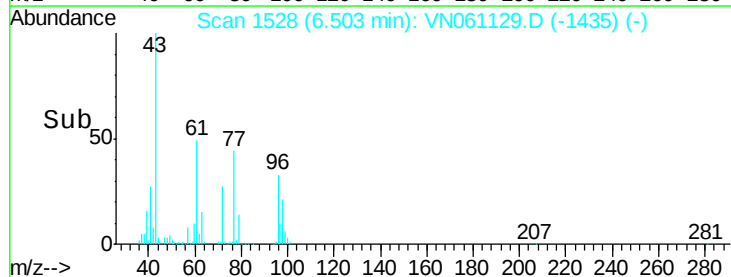


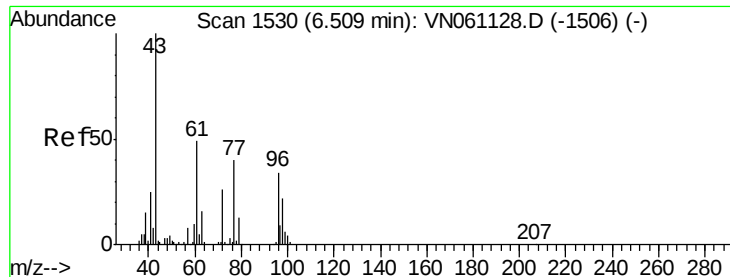
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 91.991 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061129.D

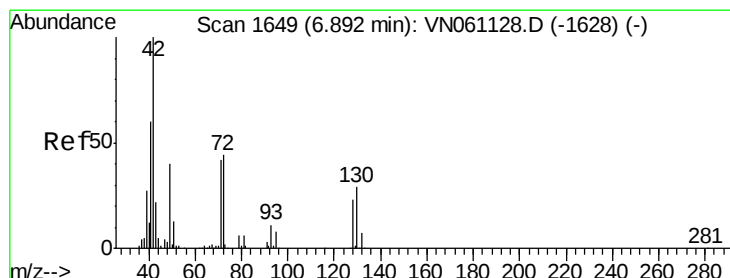
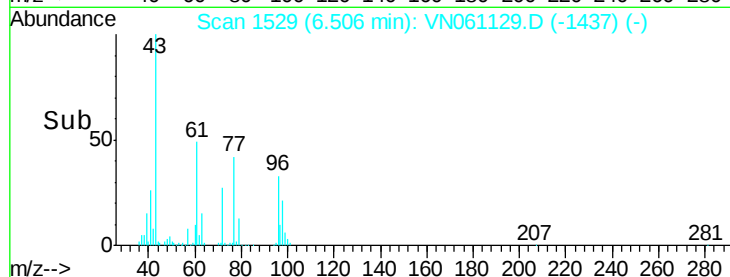
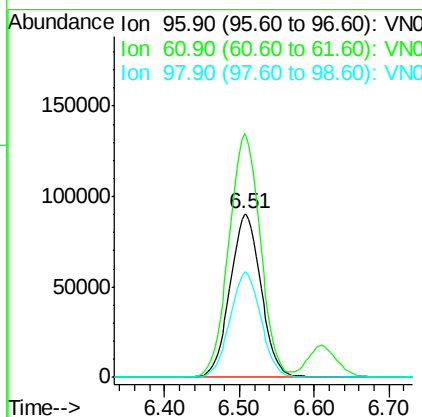
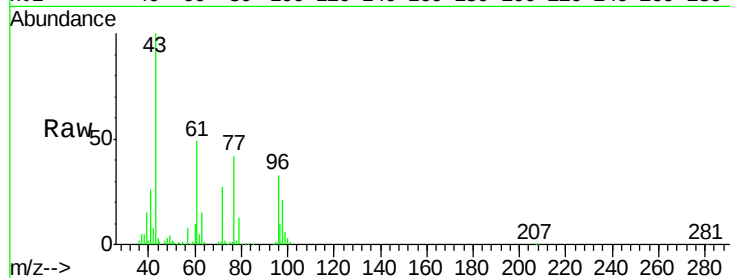
Acq: 22 Apr 2020 14:44

Tot Ion:	96	Resp:	259688
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	300.4
98	64.5	0.0	129.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#28

Bromochloromethane

Concen: 85.857 ug/l

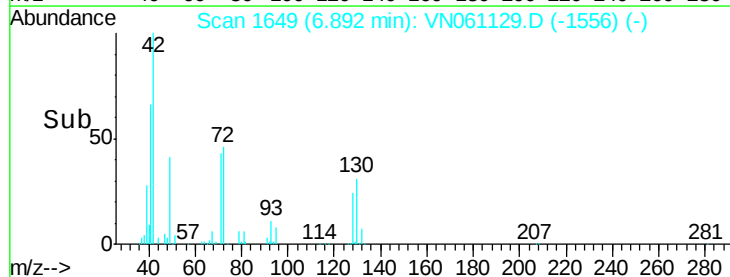
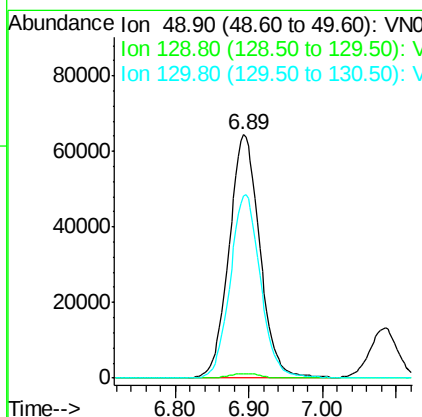
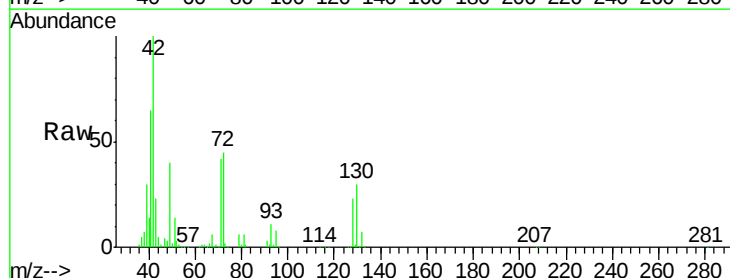
RT: 6.89 min Scan# 1649

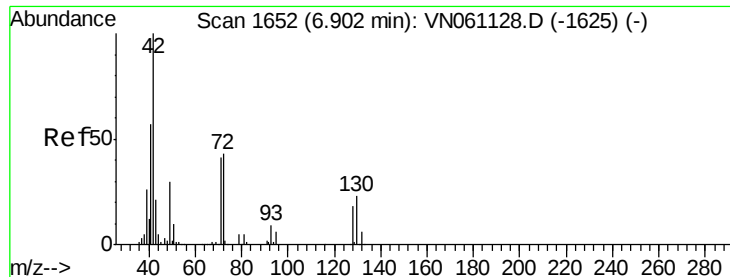
Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion:	49	Resp:	187367
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.2
130	74.1	59.7	89.5





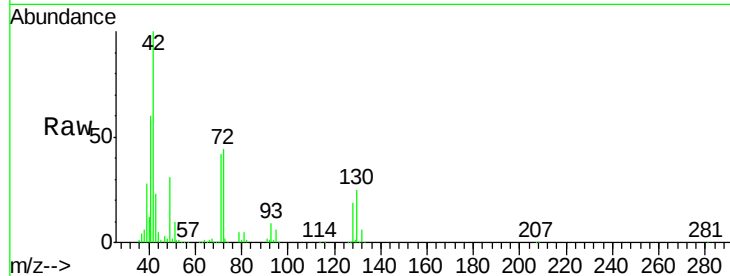
#29
Tetrahydrofuran
Concen: 437.898 ug/l
RT: 6.90 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

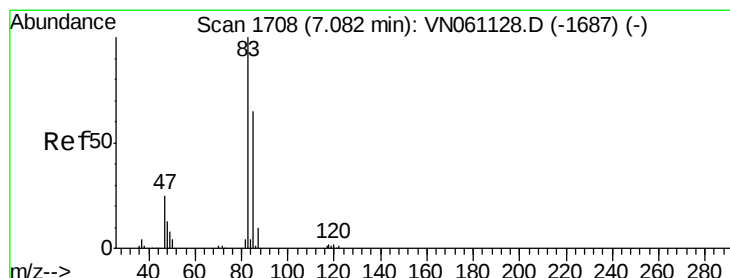
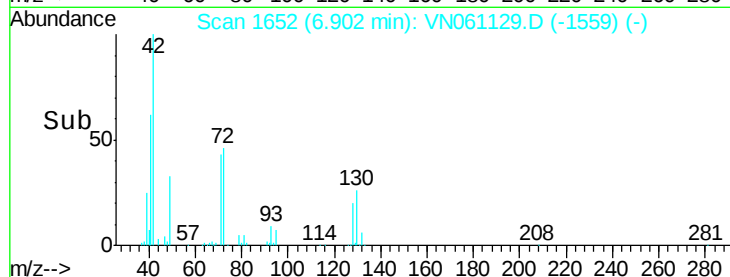
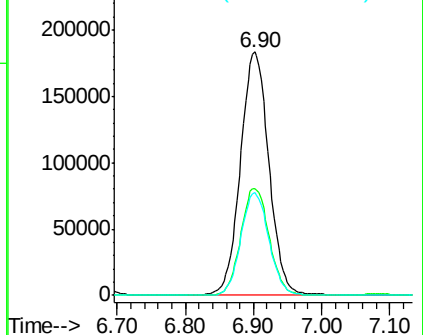
Tot Ion:	42	Resp:	530857
Ion Ratio	Lower	Upper	
42	100		
72	44.0	35.1	52.7
71	41.7	33.0	49.6

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM

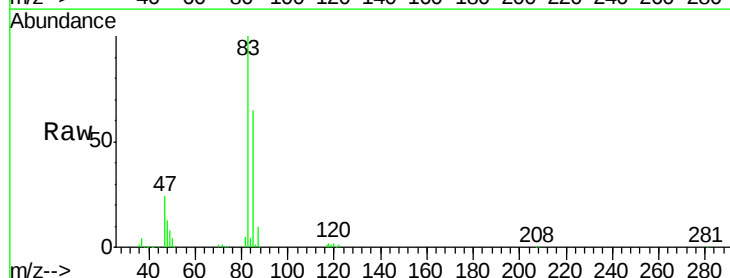


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

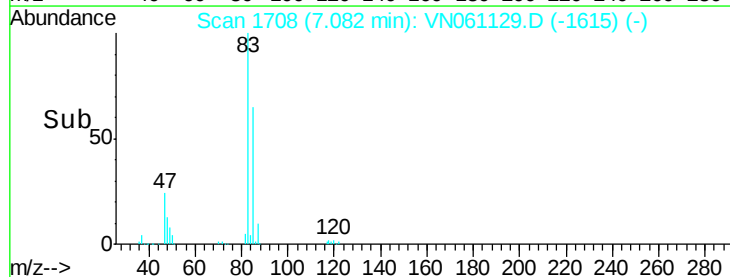
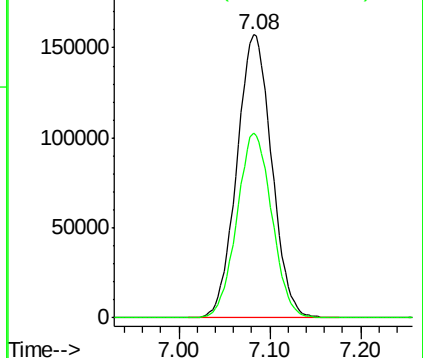


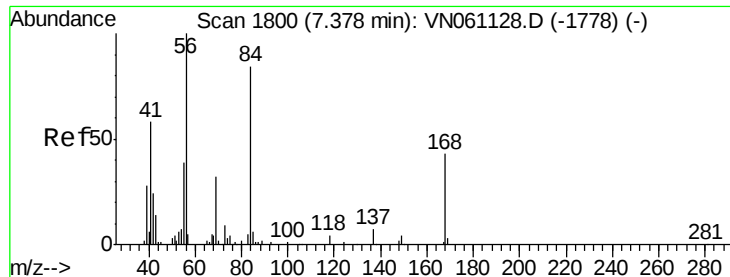
#30
Chloroform
Concen: 91.881 ug/l
RT: 7.08 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:	83	Resp:	418816
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC





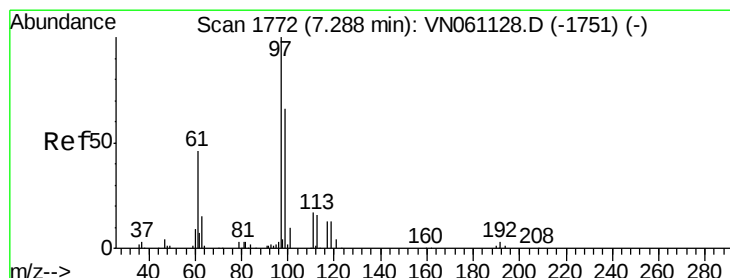
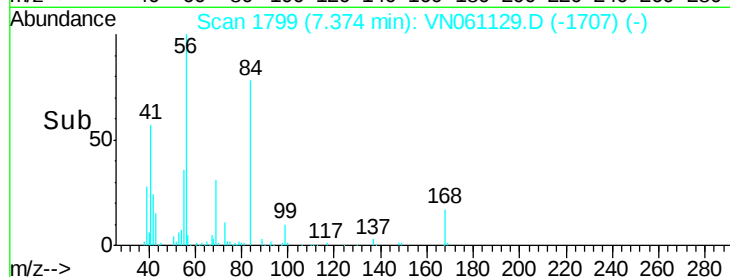
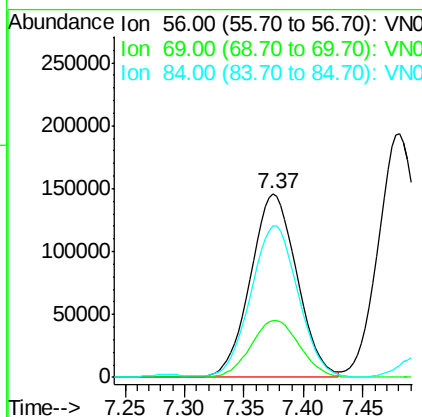
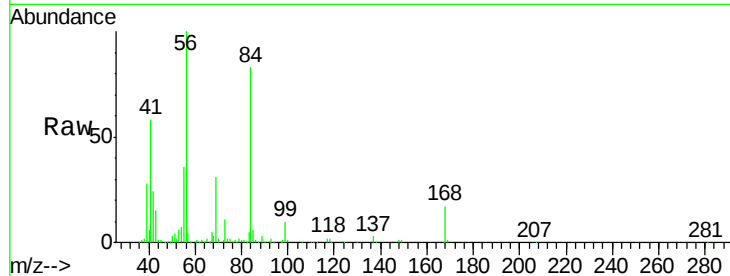
#31
Cyclohexane
Concen: 79.983 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.9	38.9
84	81.7	67.4	101.0

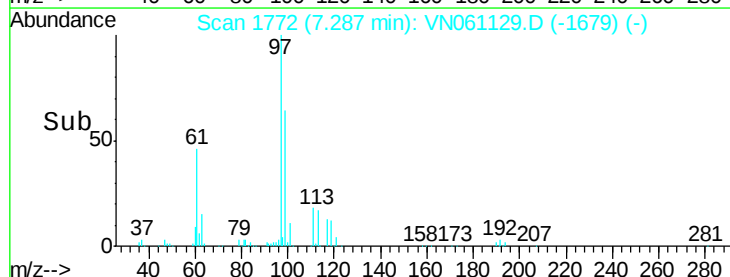
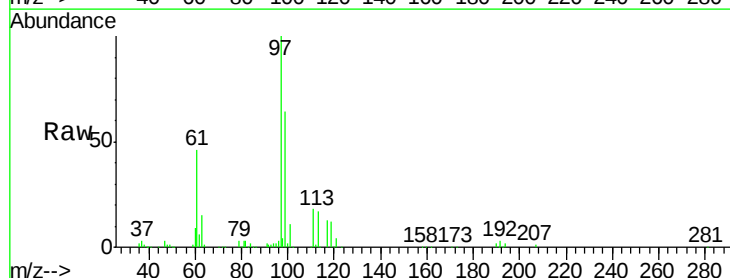
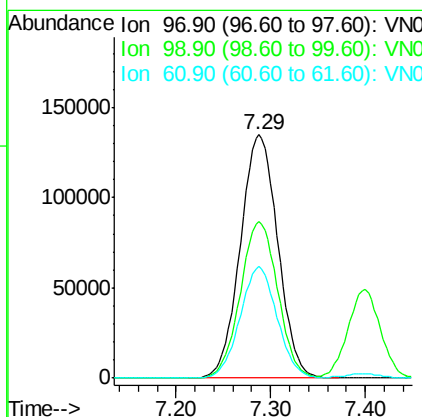
Manual Integrations
APPROVED

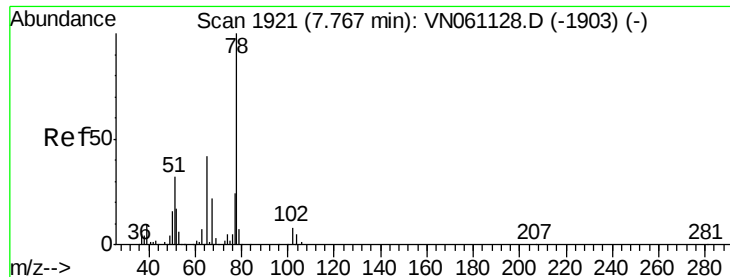
MMDadoda
4/24/2020 1:35:00 PM



#32
1,1,1-Trichloroethane
Concen: 93.934 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	45.2	35.9	53.9





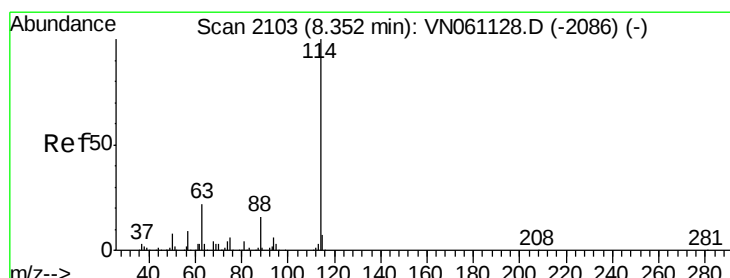
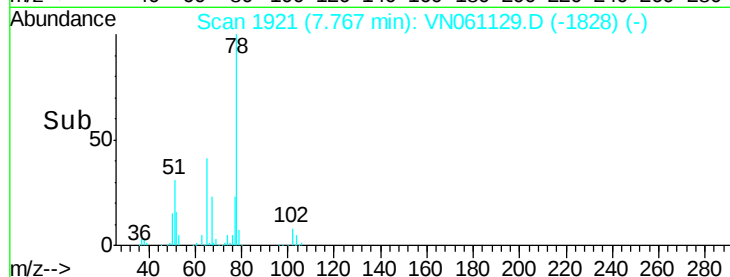
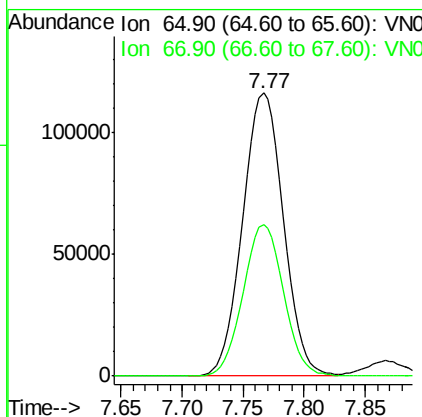
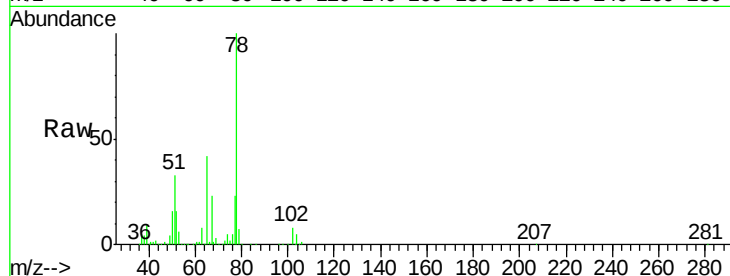
#33
 1,2-Dichloroethane-d4
 Concen: 98.271 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269332		
67	53.3	0.0	105.8	

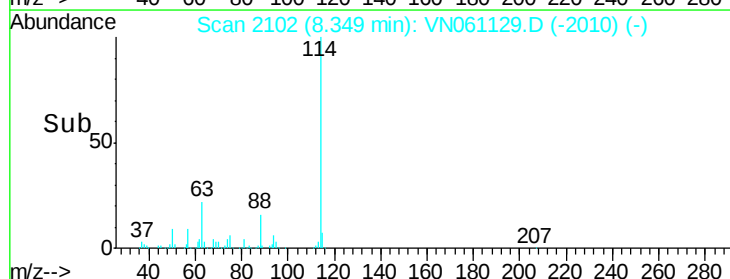
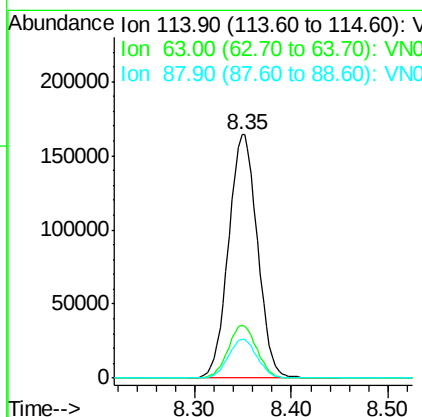
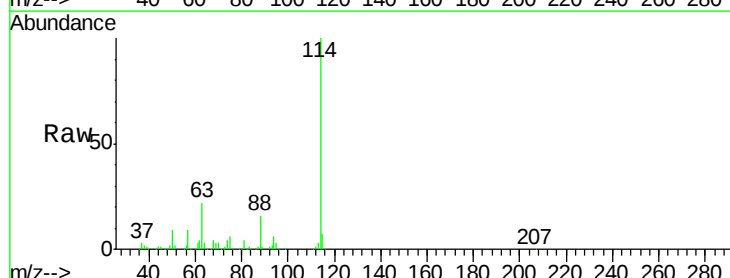
Manual Integrations
 APPROVED

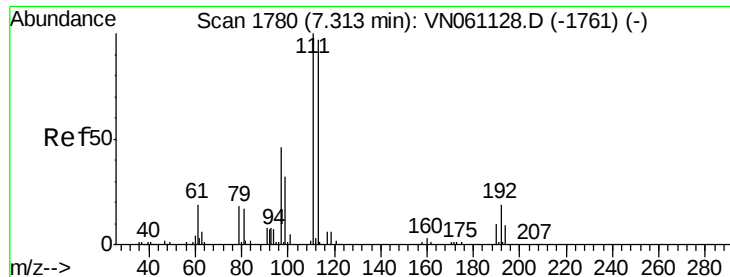
MMDadoda
 4/24/2020 1:35:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2102
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341162		
63	21.7	0.0	43.2	
88	16.0	0.0	32.4	





#35

Dibromofluoromethane

Concen: 96.157 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

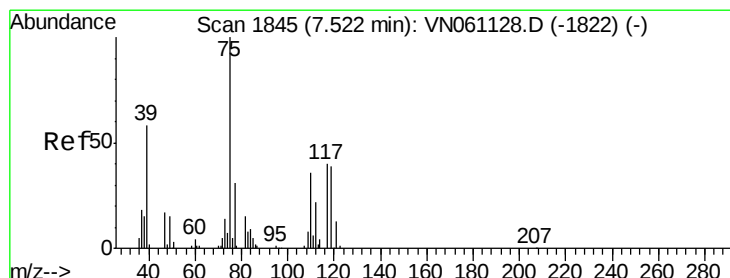
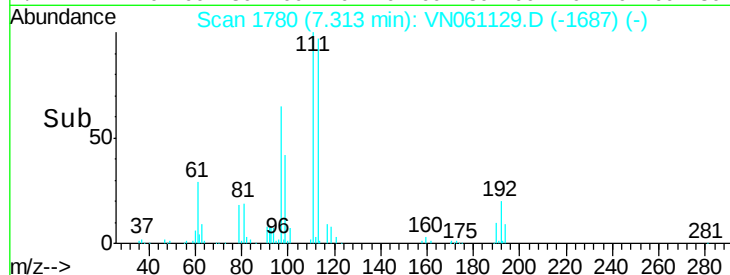
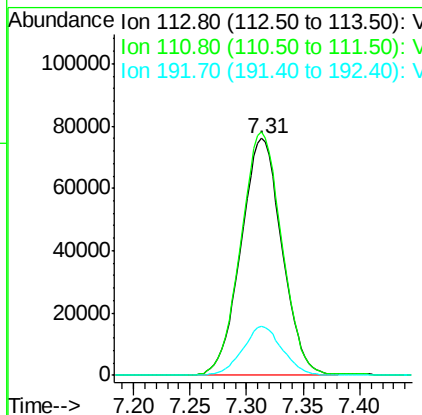
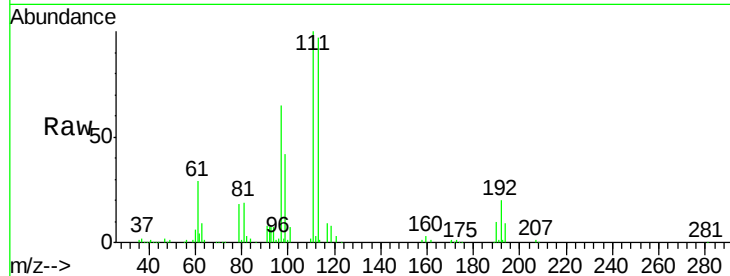
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	191517
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.0	124.6
192	20.0	15.8	23.6

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#36

1,1-Dichloropropene

Concen: 92.529 ug/l

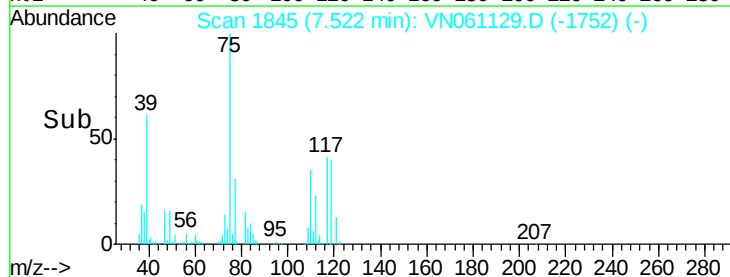
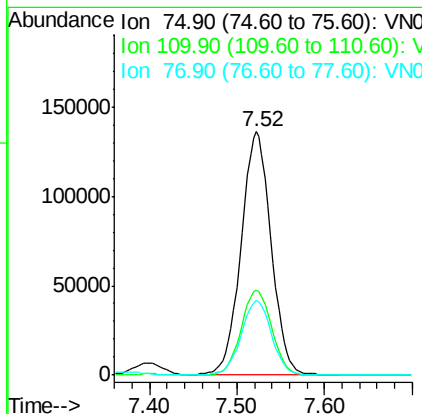
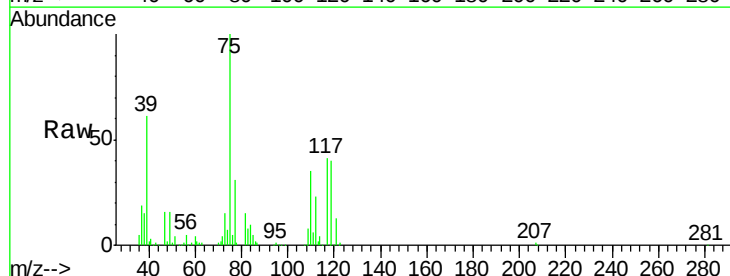
RT: 7.52 min Scan# 1845

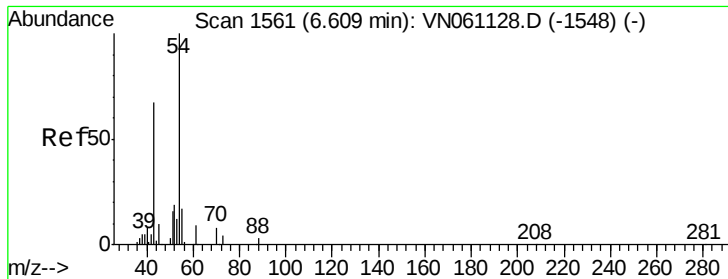
Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion:	75	Resp:	323288
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.7	53.1
77	31.1	24.8	37.2





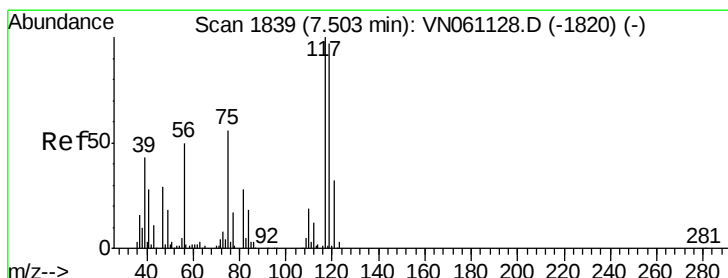
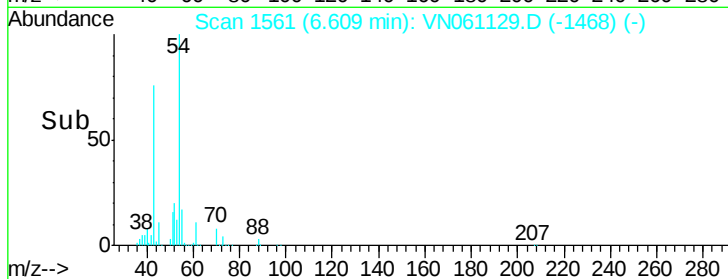
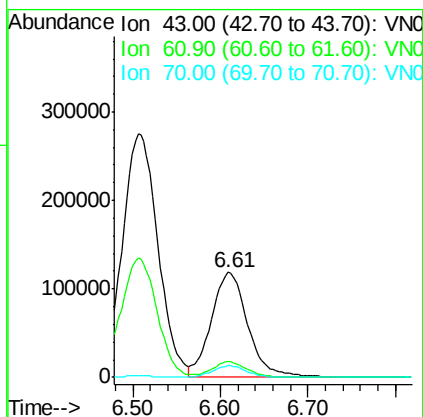
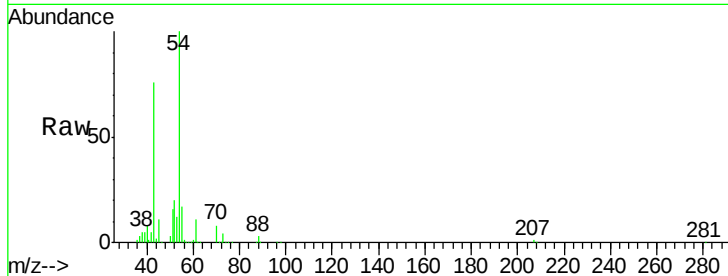
#37
Ethyl Acetate
Concen: 90.117 ug/l
RT: 6.61 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.6	8.2	12.4

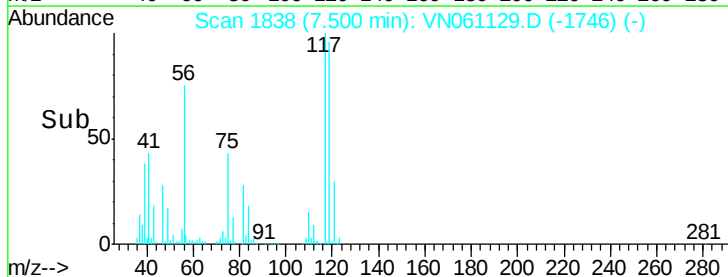
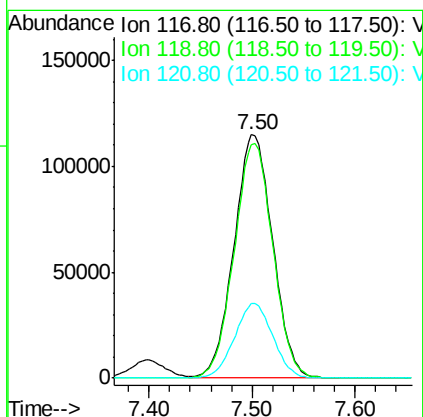
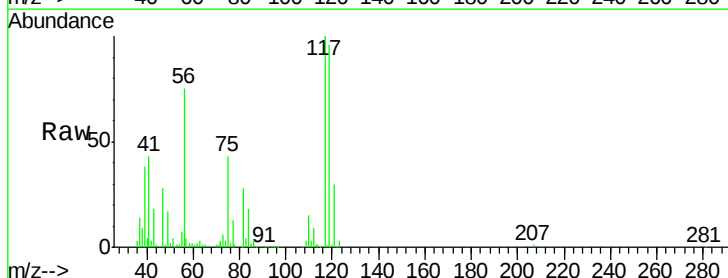
Manual Integrations
APPROVED

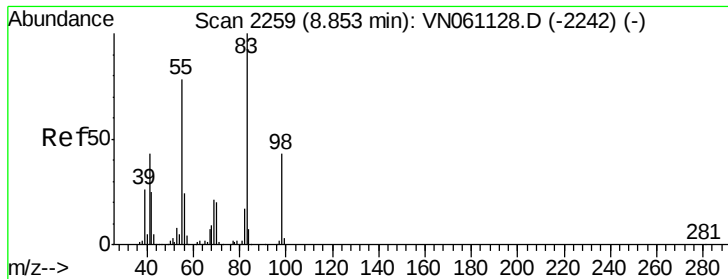
MMDadoda
4/24/2020 1:35:00 PM



#38
Carbon Tetrachloride
Concen: 102.415 ug/l
RT: 7.50 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.5	25.0	37.6





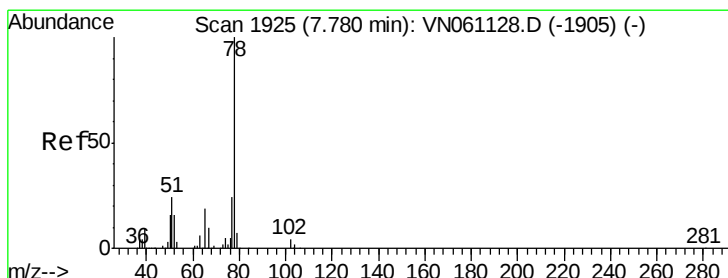
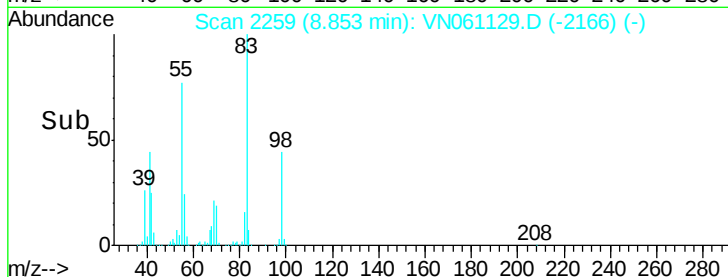
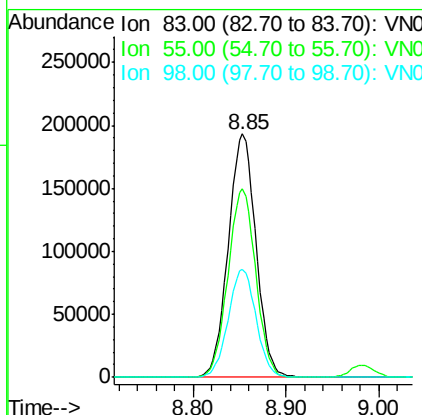
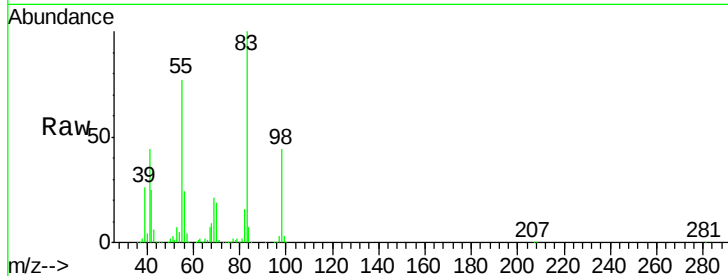
#39
Methvlcvclohexane
Concen: 95.530 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.2	93.4
98	44.3	34.7	52.1

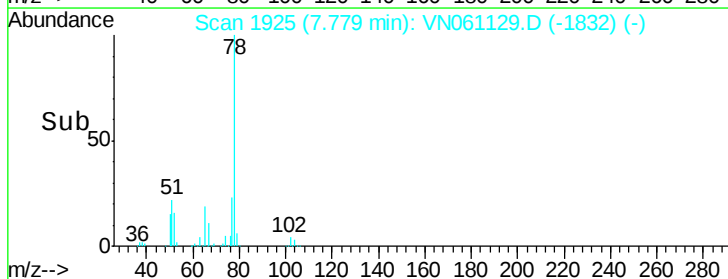
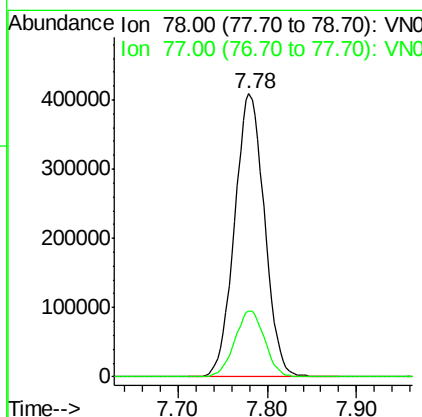
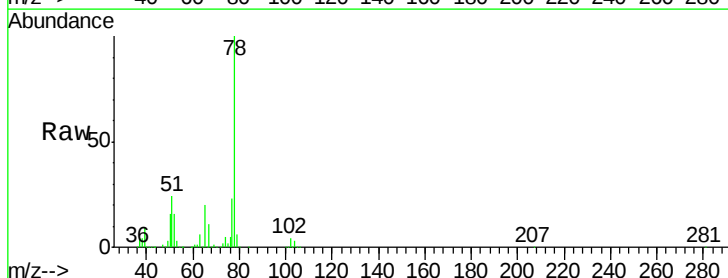
Manual Integrations
APPROVED

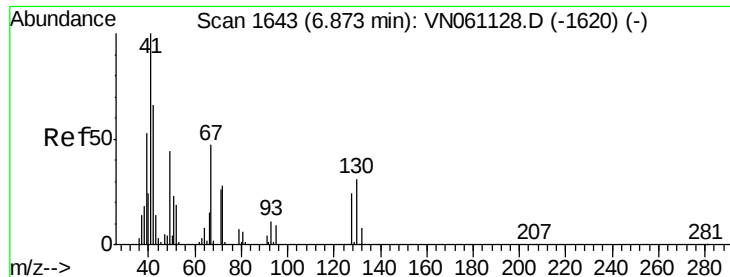
MMDadoda
4/24/2020 1:35:00 PM



#40
Benzene
Concen: 91.831 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





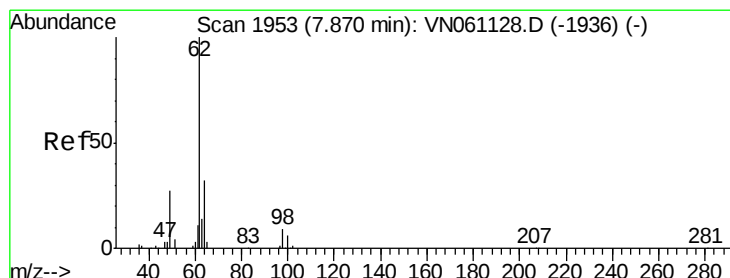
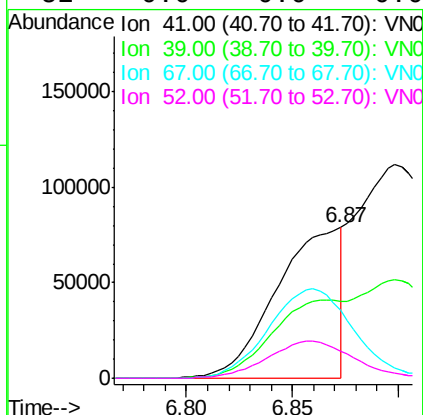
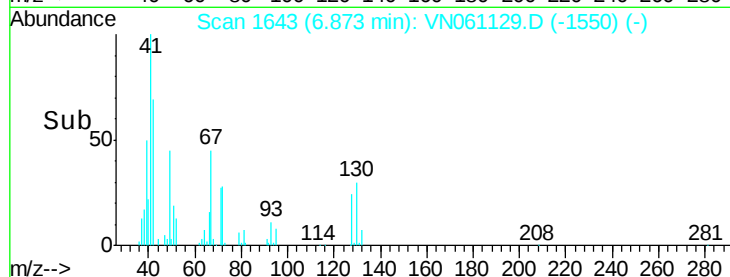
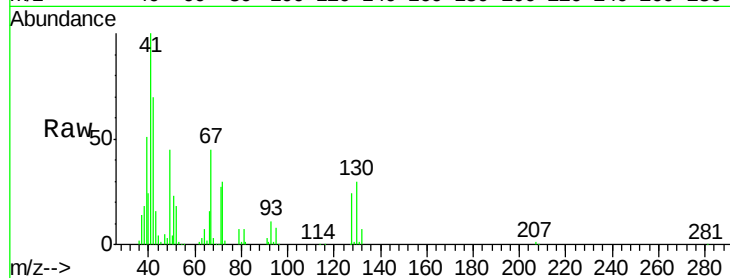
#41
Methacrylonitrile
Concen: 104.644 ug/l m
RT: 6.87 min Scan# 1643
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

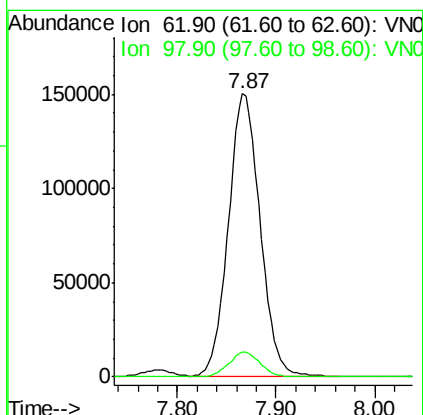
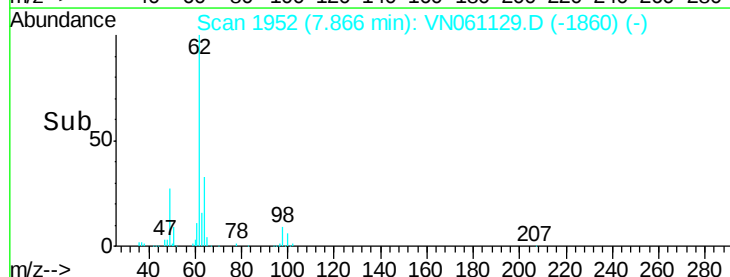
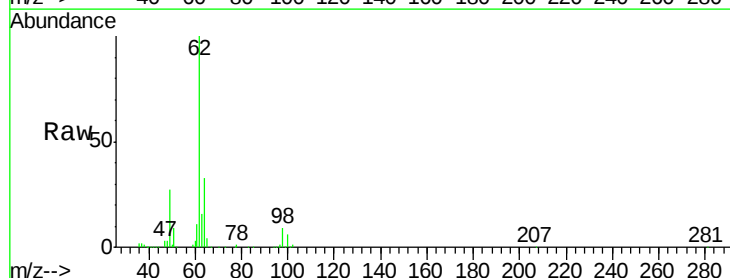
Manual Integrations
APPROVED

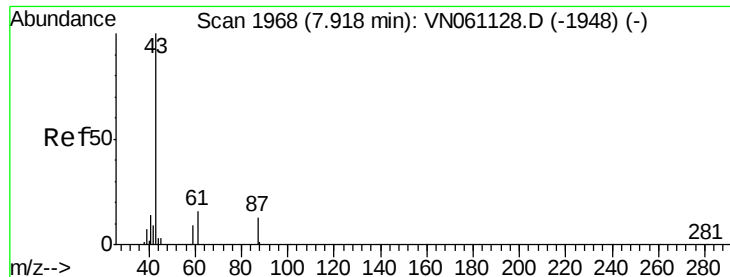
MMDadoda
4/24/2020 1:35:00 PM



#42
1,2-Dichloroethane
Concen: 94.911 ug/l
RT: 7.87 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





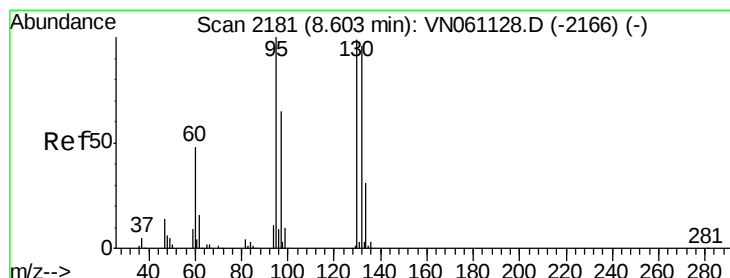
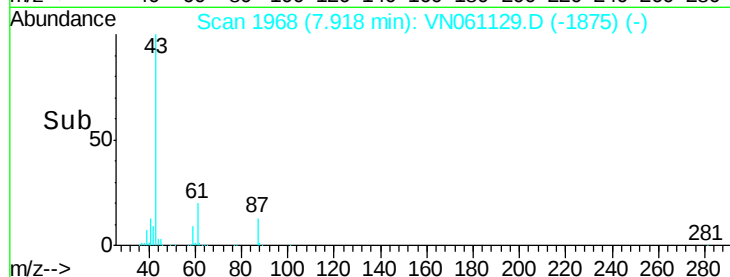
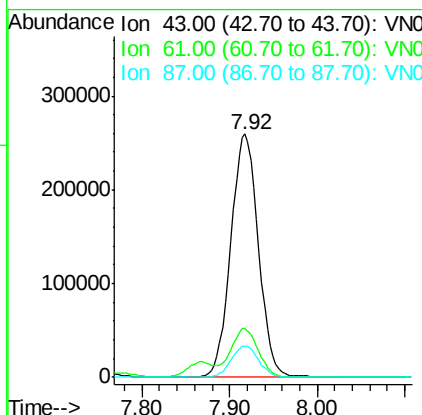
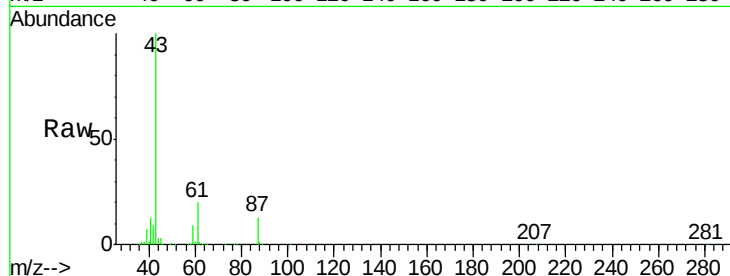
#43
Isopropyl Acetate
Concen: 92.176 ug/l
RT: 7.92 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.5	23.3
87	12.9	10.2	15.4

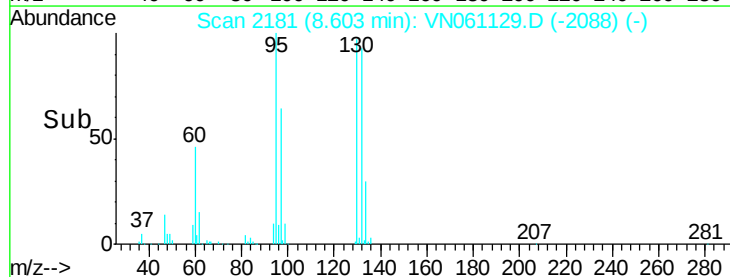
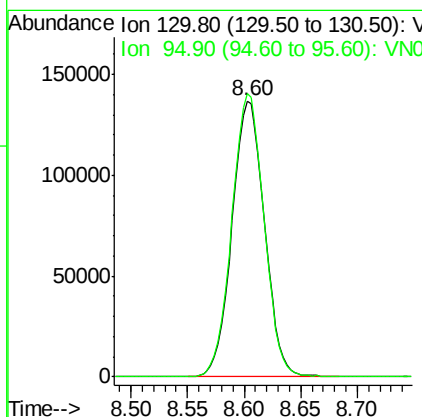
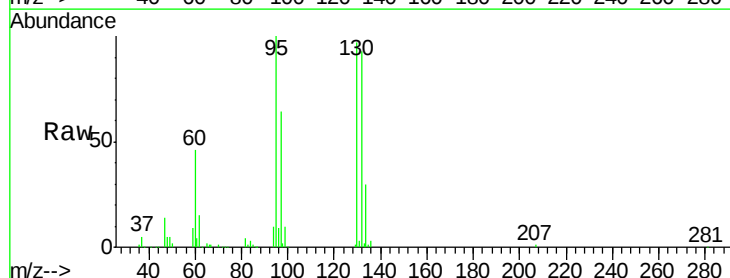
Manual Integrations
APPROVED

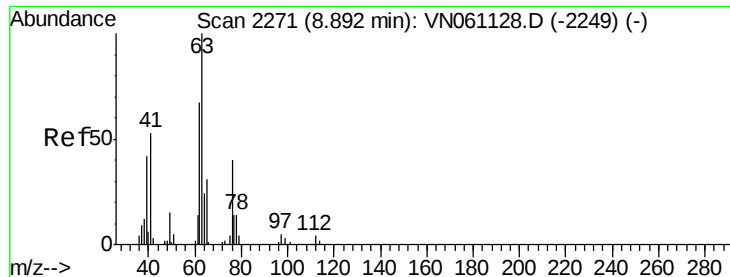
MMDadoda
4/24/2020 1:35:00 PM



#44
Trichloroethene
Concen: 102.332 ug/l
RT: 8.60 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	202.6





#45

1,2-Dichloropropane

Concen: 89.431 ug/l

RT: 8.89 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 249439

Ion Ratio Lower Upper

63 100

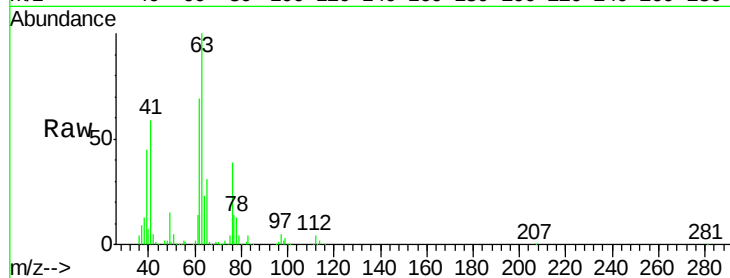
65 30.7 24.7 37.1

Manual Integrations

APPROVED

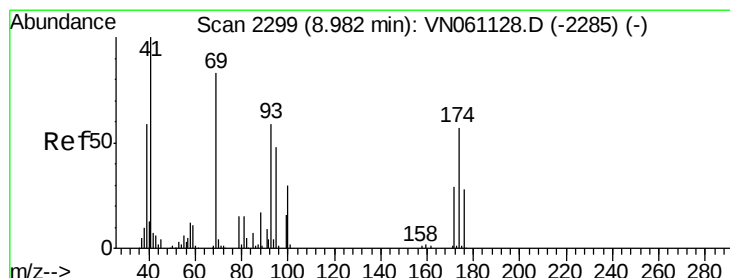
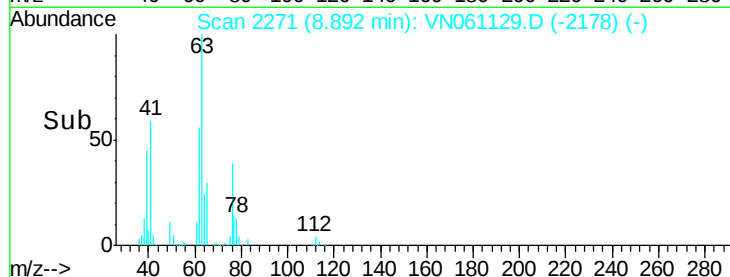
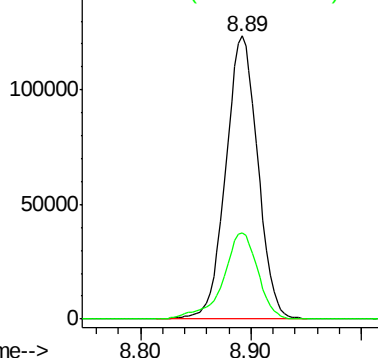
MMDadoda

4/24/2020 1:35:00 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 101.089 ug/l

RT: 8.98 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

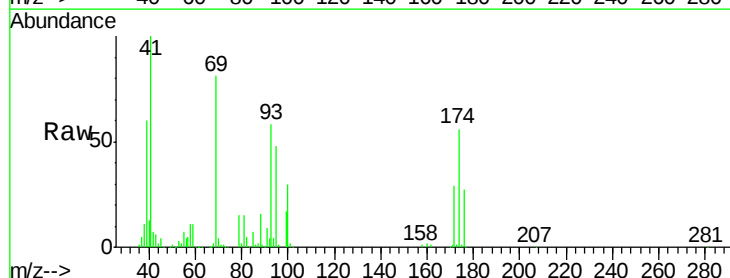
Tgt Ion: 93 Resp: 165299

Ion Ratio Lower Upper

93 100

95 83.6 65.0 97.4

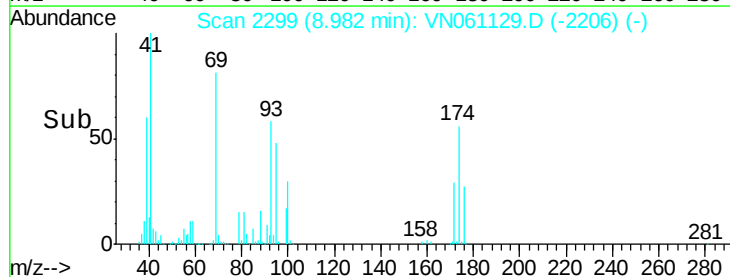
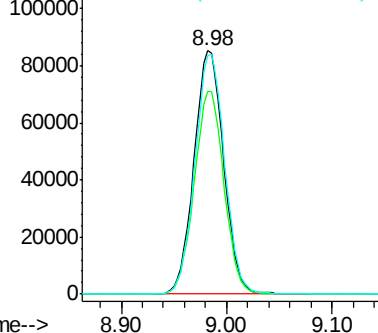
174 99.0 77.8 116.6

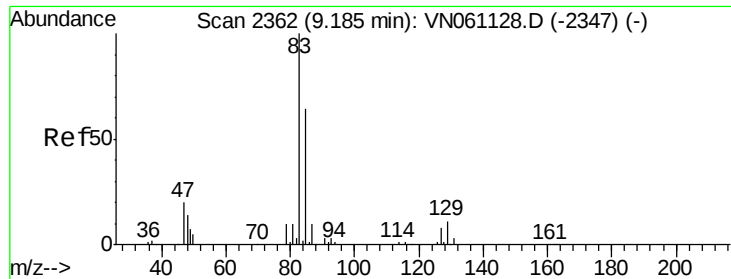


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 97.434 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

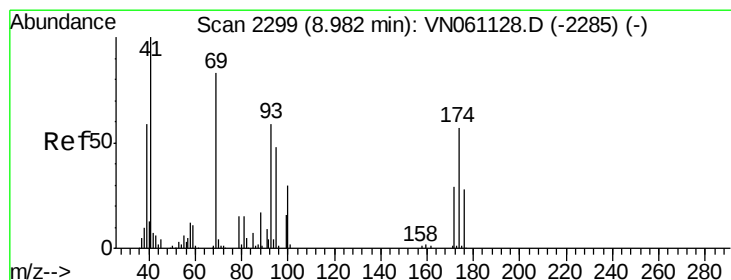
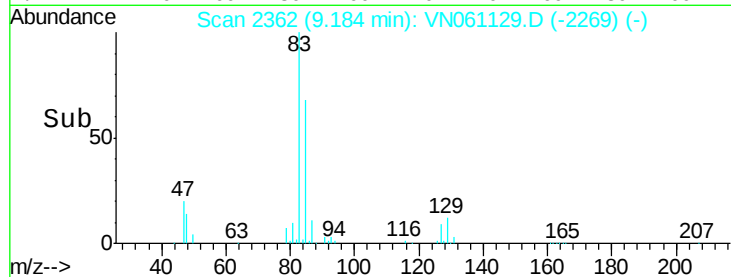
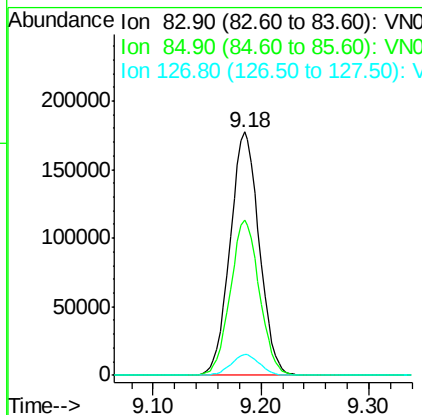
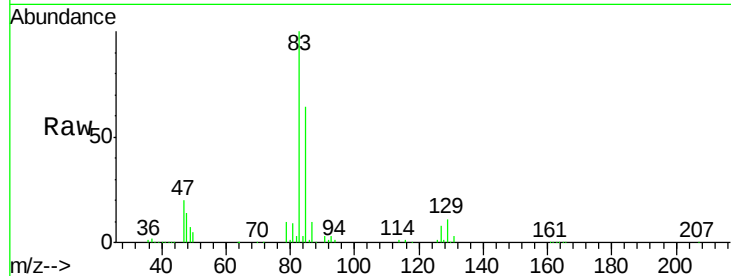
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	333713
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2
127	8.4	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#48

Methyl methacrylate

Concen: 99.142 ug/l

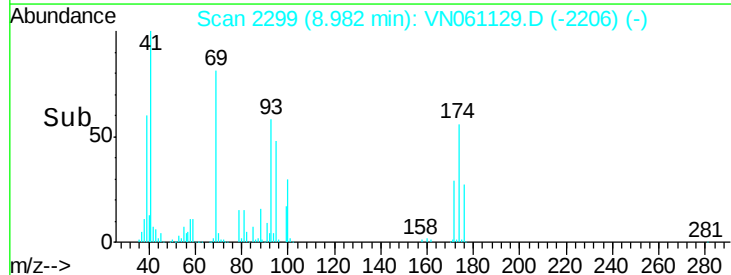
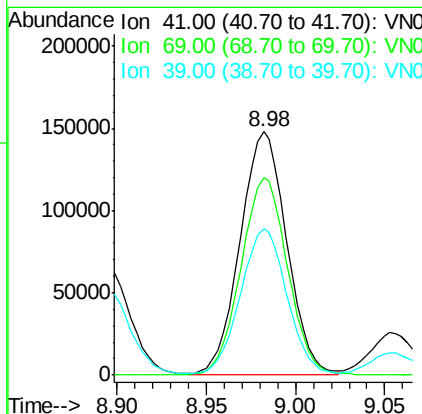
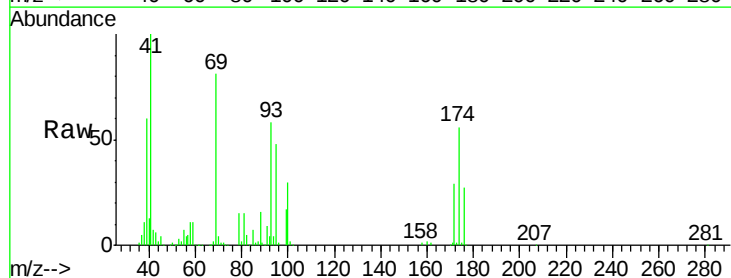
RT: 8.98 min Scan# 2299

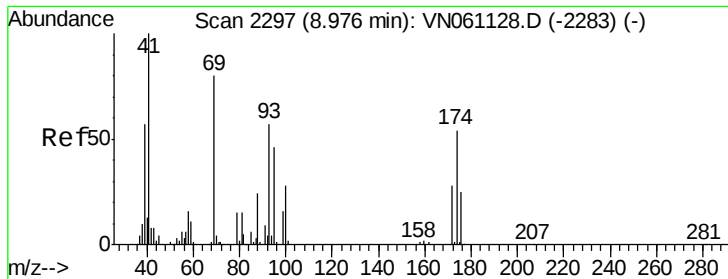
Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion:	41	Resp:	270666
Ion	Ratio	Lower	Upper
41	100		
69	81.1	65.4	98.2
39	60.2	47.8	71.6





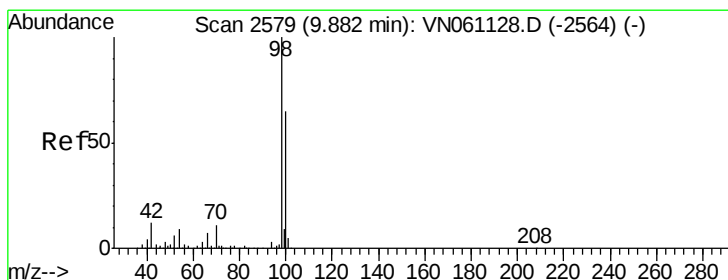
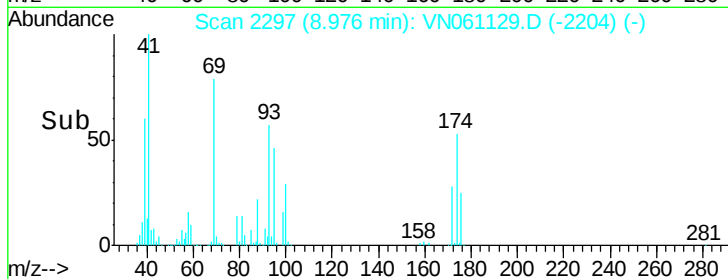
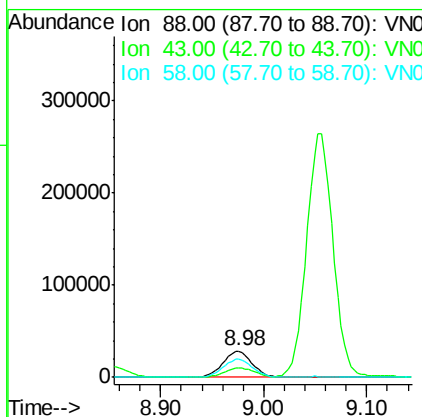
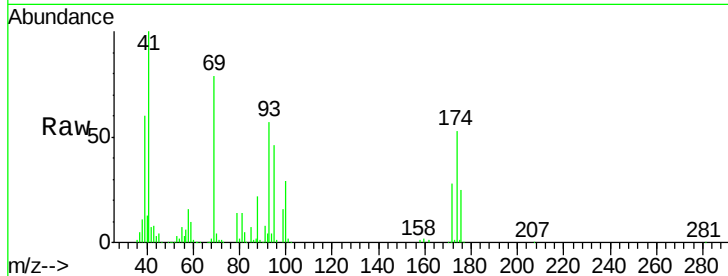
#49
1,4-Dioxane
Concen: 1690.620 ug/l
RT: 8.98 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.0	43.4
58	69.4	57.8	86.6

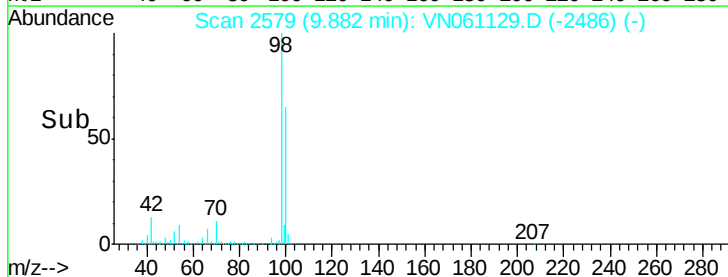
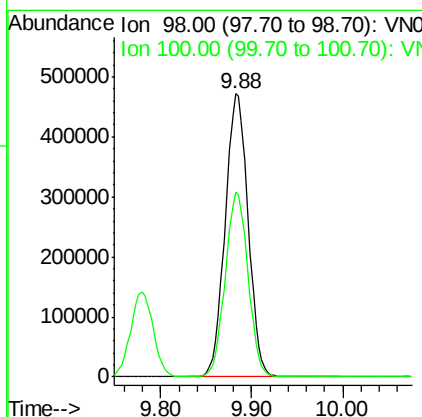
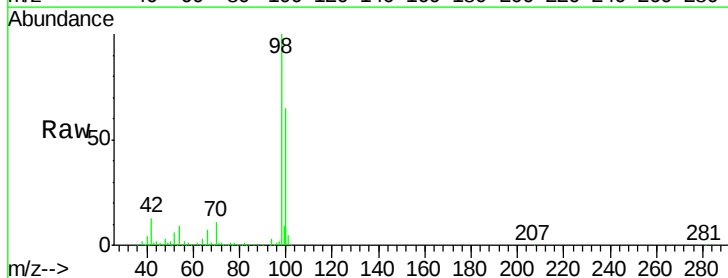
Manual Integrations
APPROVED

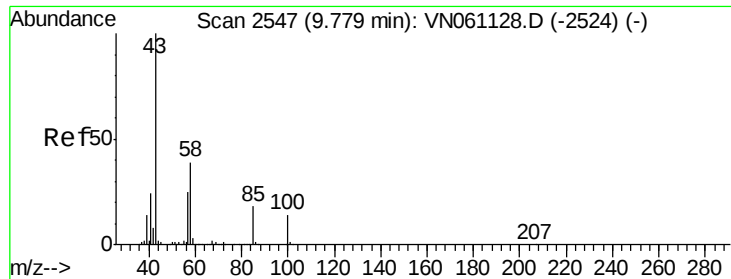
MMDadoda
4/24/2020 1:35:00 PM



#50
Toluene-d8
Concen: 106.690 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 476.807 ug/l

RT: 9.78 min Scan# 2547

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1691043

Ion Ratio Lower Upper

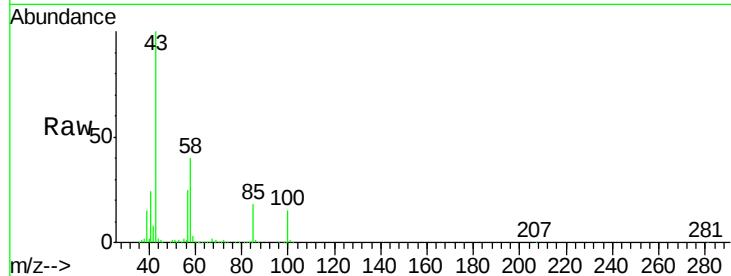
43 100

58 39.7 31.0 46.6

Manual Integrations
APPROVED

MMDadoda

4/24/2020 1:35:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VN061129.D (-2524) (-)

Ion 58.00 (57.70 to 58.70): VN061129.D (-2524) (-)

9.78

1000000

800000

600000

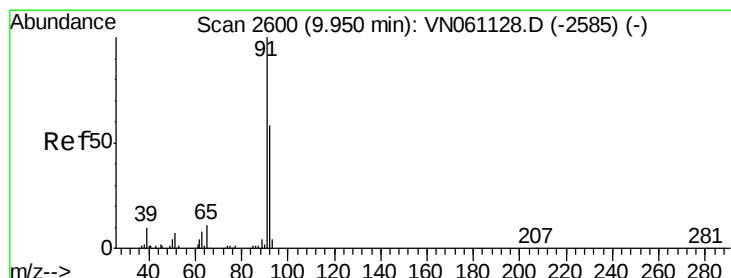
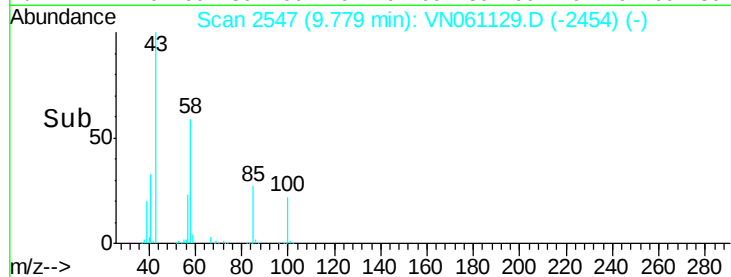
400000

200000

0

9.70 9.80 9.90

Time-->



#52

Toluene

Concen: 97.022 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061129.D

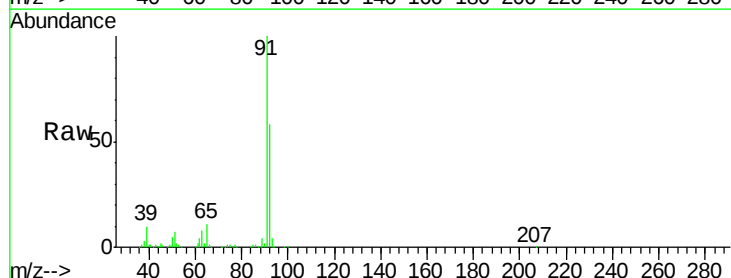
Acq: 22 Apr 2020 14:44

Tgt Ion: 92 Resp: 606740

Ion Ratio Lower Upper

92 100

91 172.5 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VN061129.D (-2585) (-)

Ion 91.00 (90.70 to 91.70): VN061129.D (-2585) (-)

9.95

600000

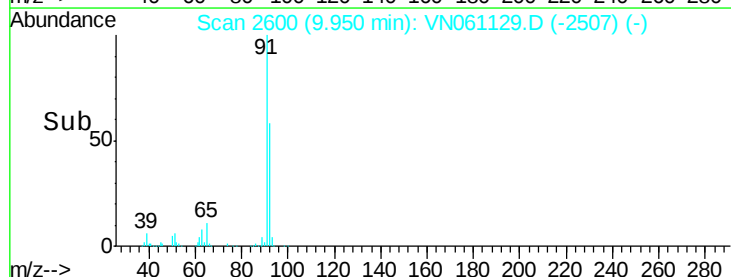
400000

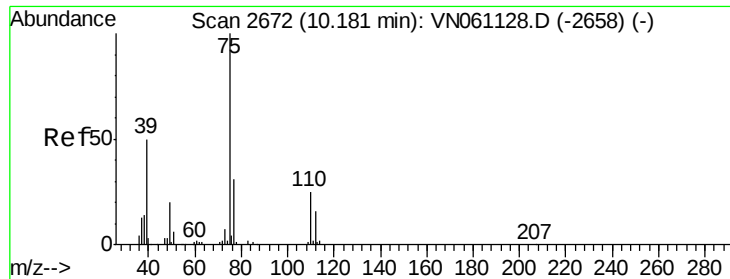
200000

0

9.90 10.00 10.10

Time-->





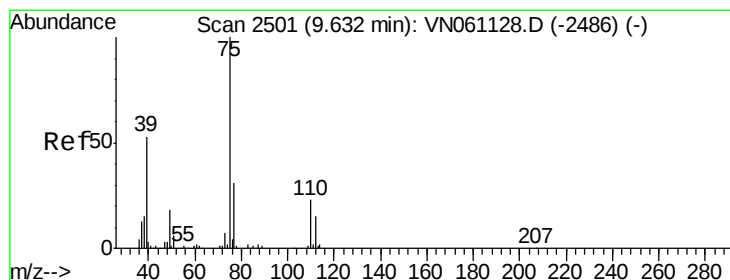
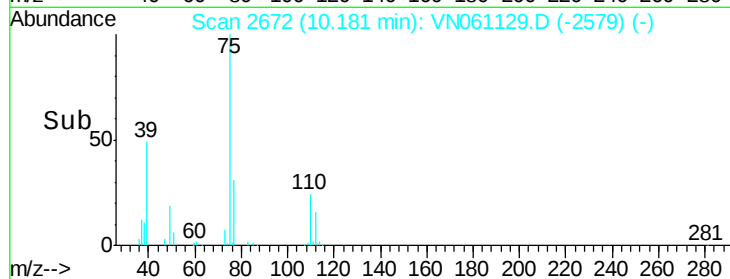
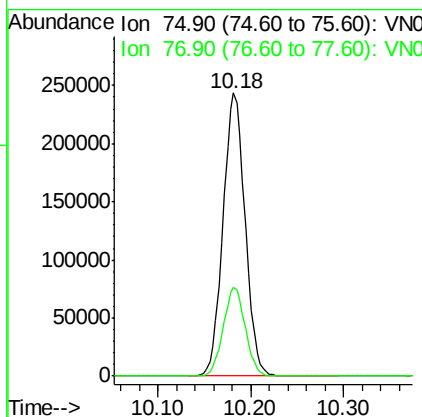
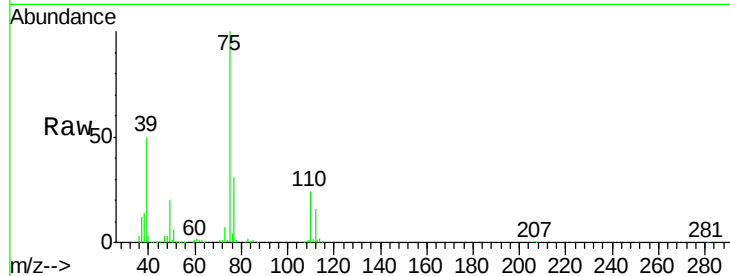
#53
t-1,3-Dichloropropene
Concen: 100.920 ug/l
RT: 10.18 min Scan# 2672
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 75 Resp: 402048
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

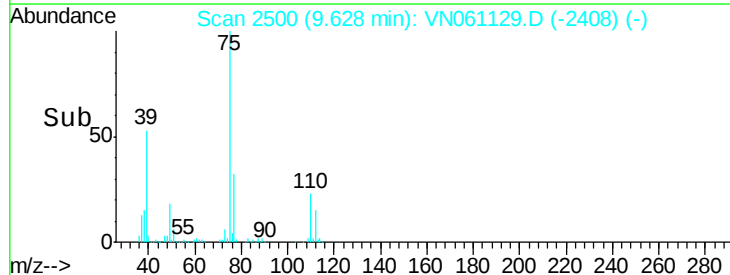
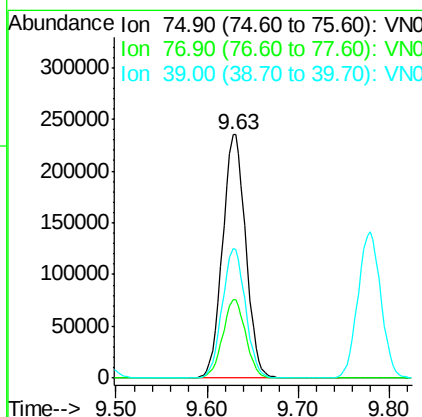
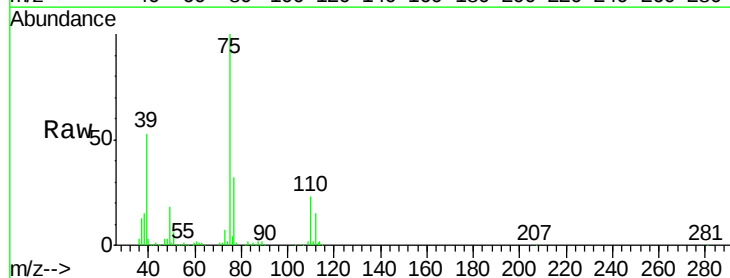
Manual Integrations
APPROVED

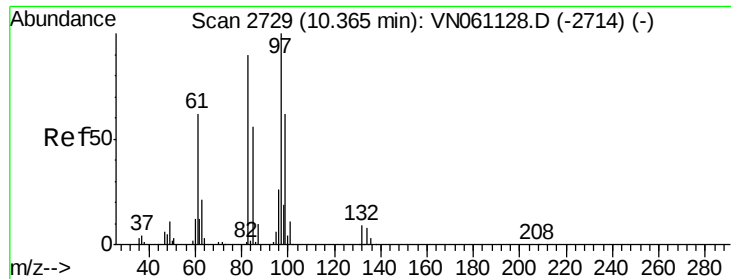
MMDadoda
4/24/2020 1:35:00 PM



#54
cis-1,3-Dichloropropene
Concen: 96.203 ug/l
RT: 9.63 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 75 Resp: 416597
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 53.2 42.1 63.1





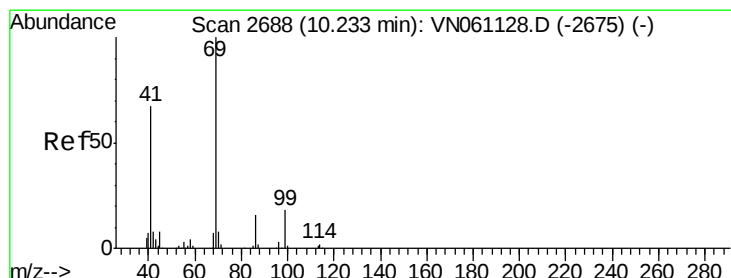
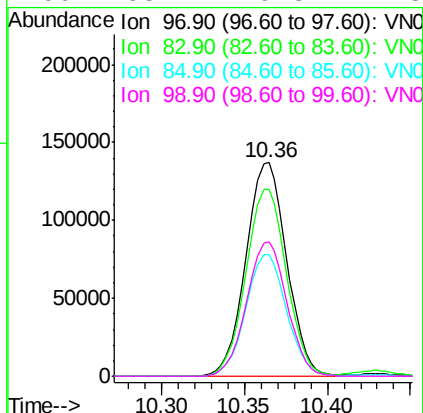
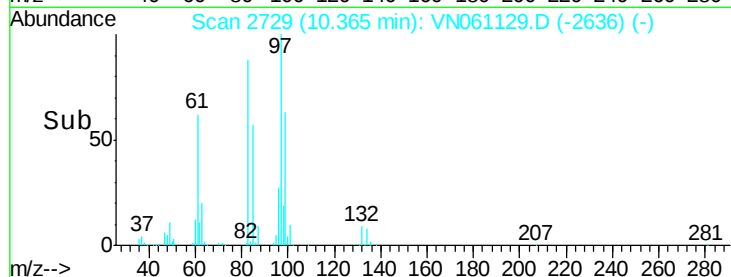
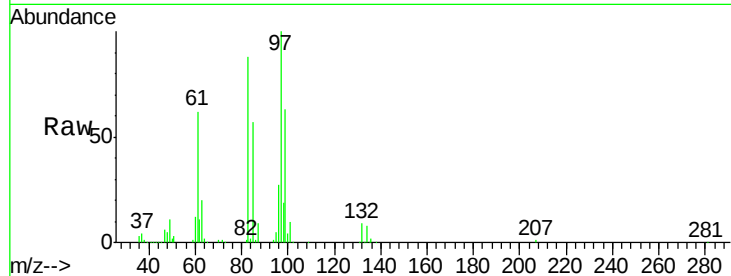
#55
 1,1,2-Trichloroethane
 Concen: 98.861 ug/l
 RT: 10.36 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	234448
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.8	107.6
85	56.8	45.0	67.6
99	63.2	49.8	74.8

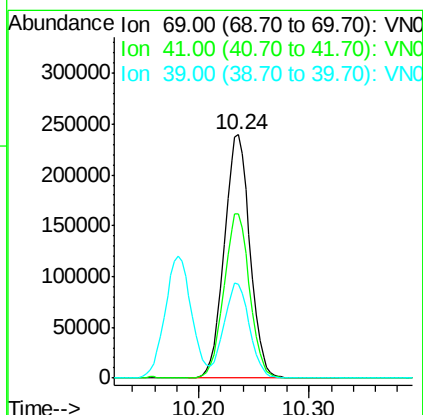
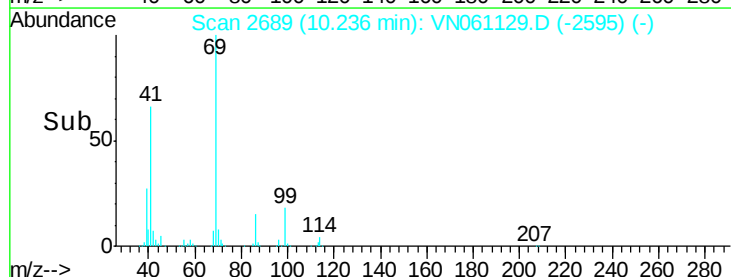
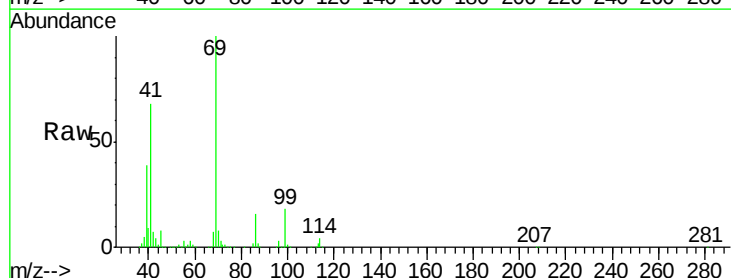
Manual Integrations
 APPROVED

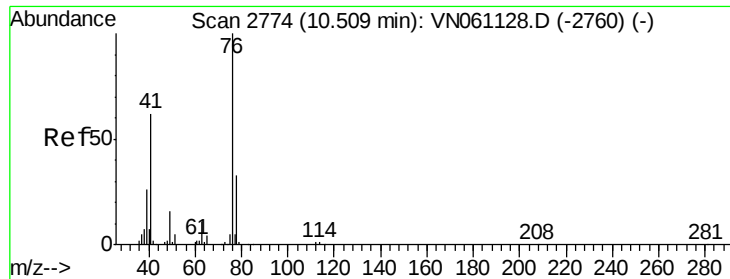
MMDadoda
 4/24/2020 1:35:00 PM



#56
 Ethyl methacrylate
 Concen: 103.920 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion:	69	Resp:	385329
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.0	81.0
39	38.7	31.4	47.0





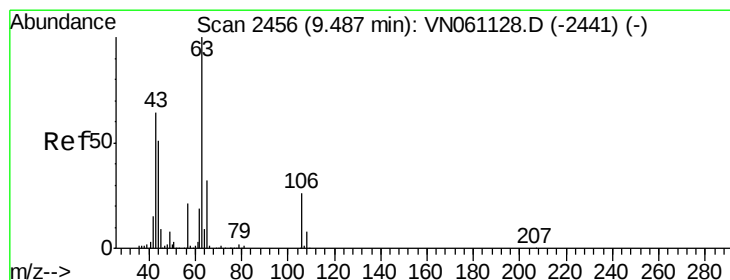
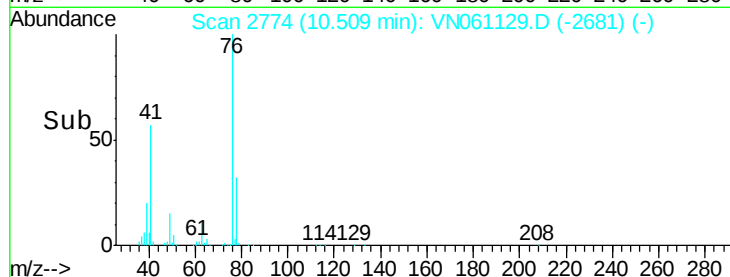
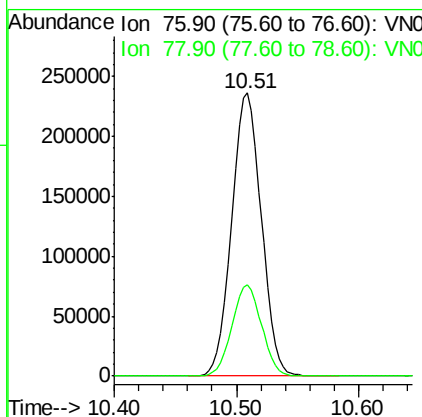
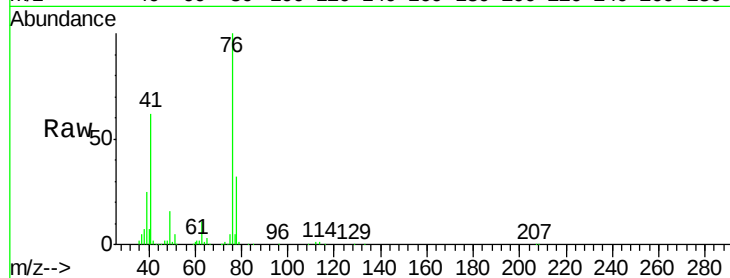
#57
 1,3-Dichloropropane
 Concen: 95.026 ug/l
 RT: 10.51 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

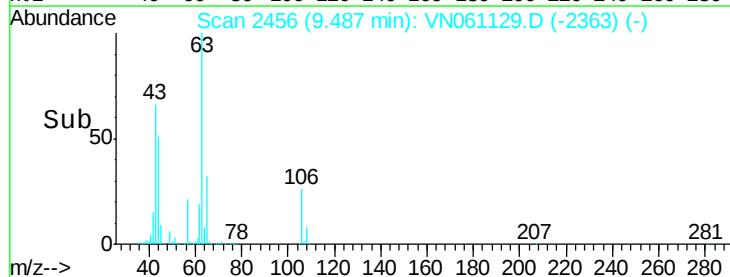
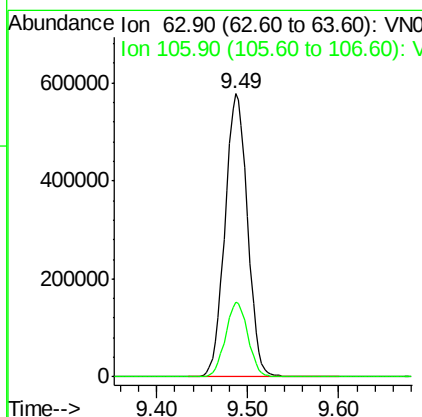
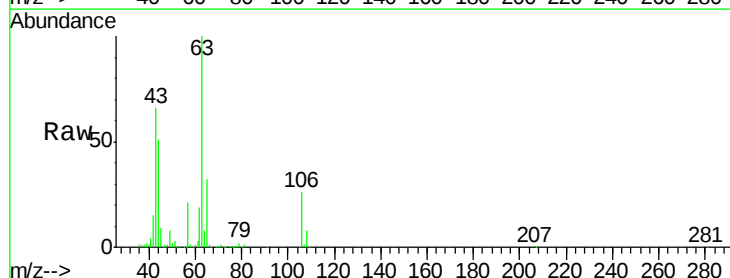
Manual Integrations
 APPROVED

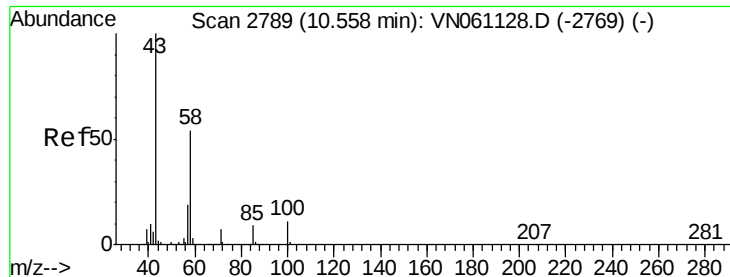
MMDadoda
 4/24/2020 1:35:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 564.988 ug/l
 RT: 9.49 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.3	31.9





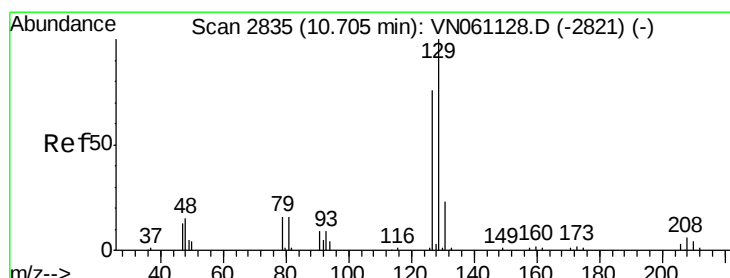
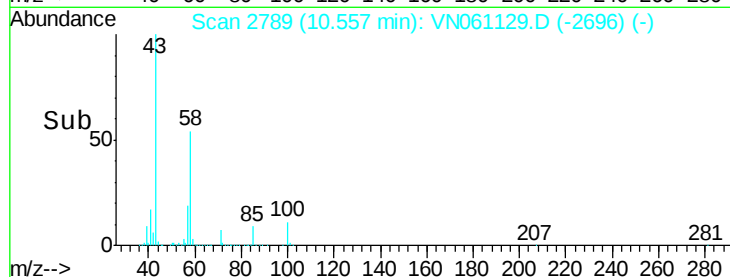
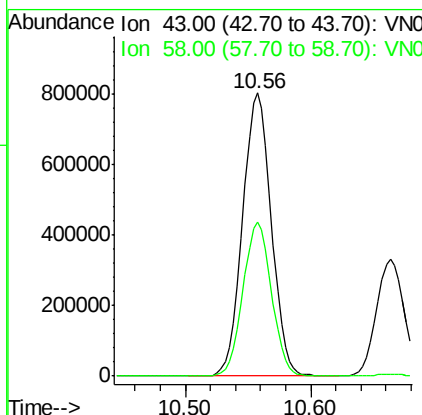
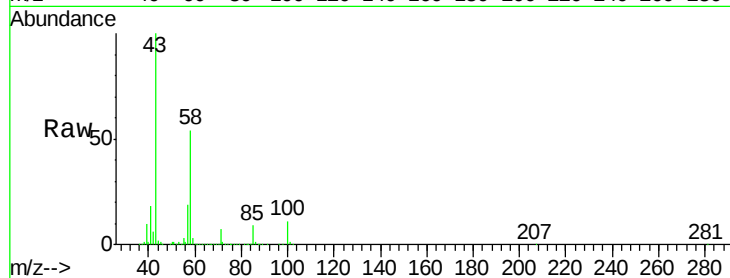
#59
2-Hexanone
Concen: 497.346 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1275549
Ion Ratio Lower Upper
43 100
58 54.2 26.9 80.6

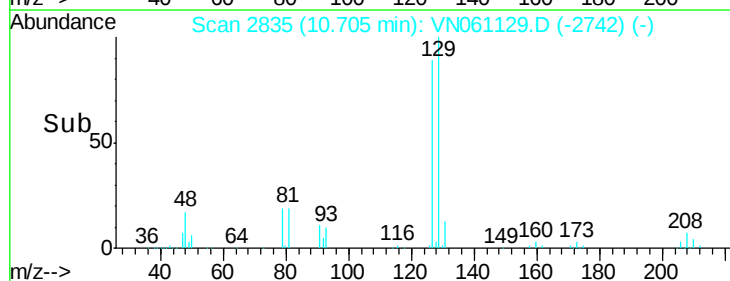
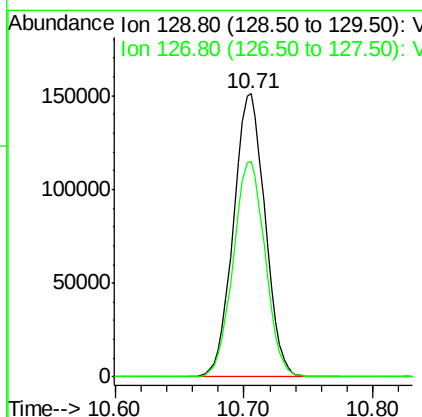
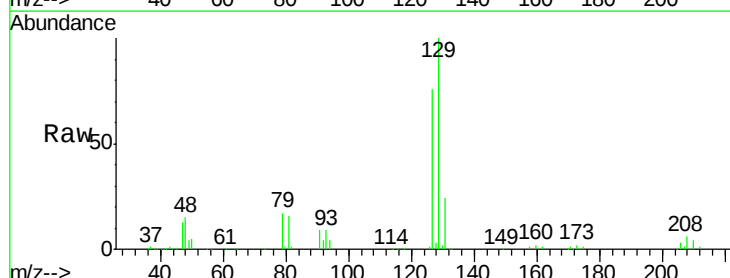
Manual Integrations
APPROVED

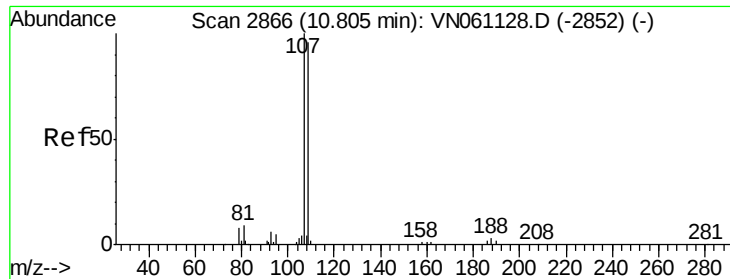
MMDadoda
4/24/2020 1:35:00 PM



#60
Dibromochloromethane
Concen: 105.191 ug/l
RT: 10.71 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 129 Resp: 257385
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





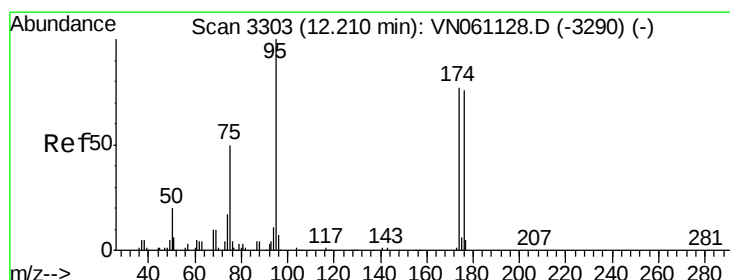
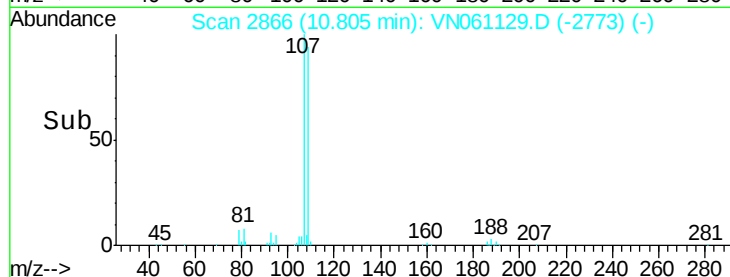
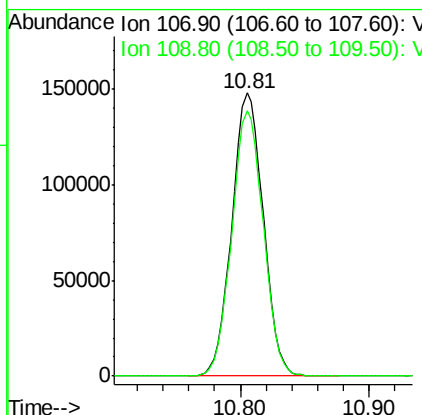
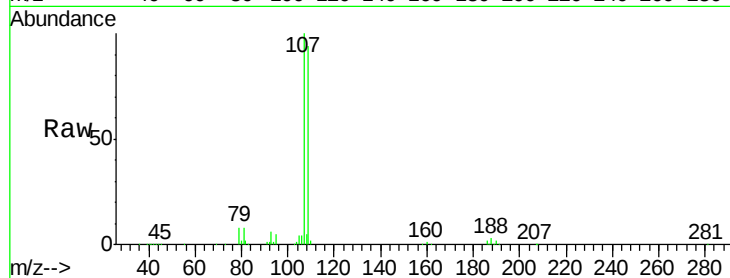
#61
 1,2-Dibromoethane
 Concen: 102.892 ug/l
 RT: 10.81 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.0	114.0

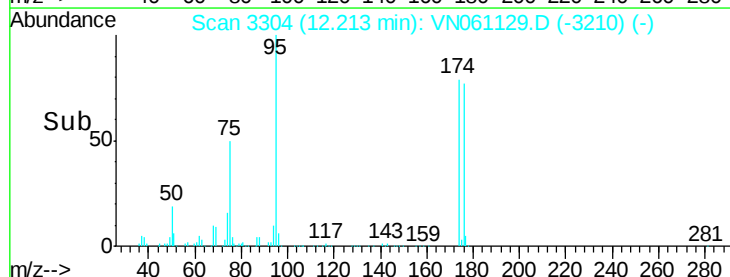
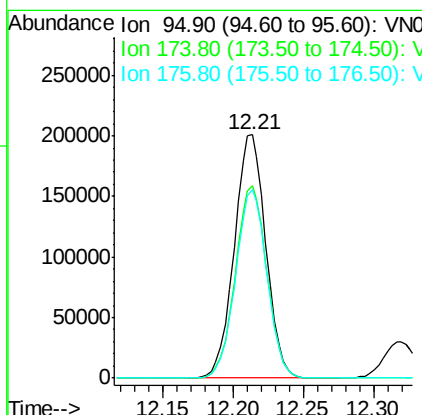
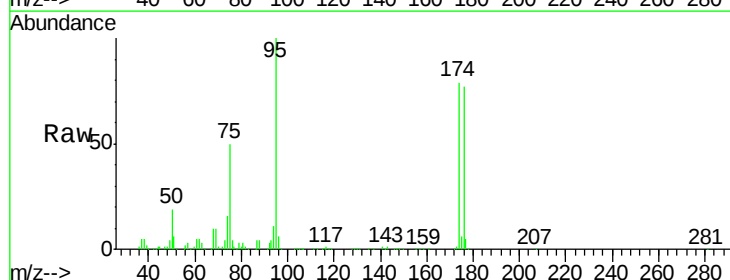
Manual Integrations
 APPROVED

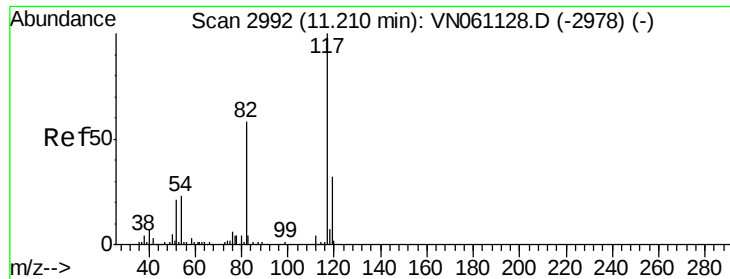
MMDadoda
 4/24/2020 1:35:00 PM



#62
 4-Bromofluorobenzene
 Concen: 104.650 ug/l
 RT: 12.21 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	157.6
176	77.0	0.0	154.4





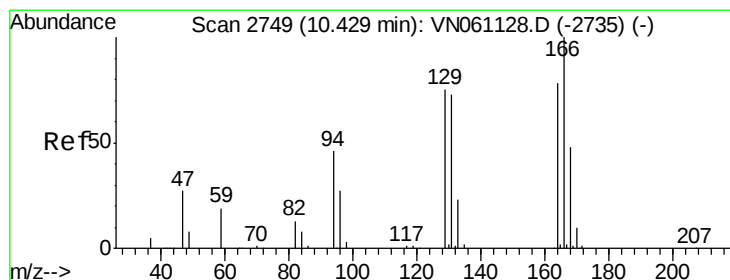
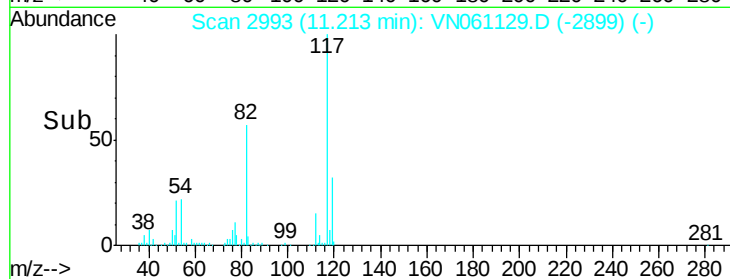
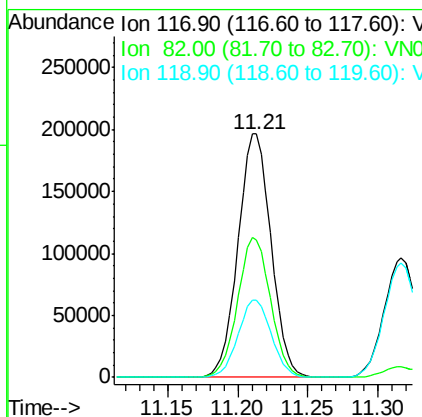
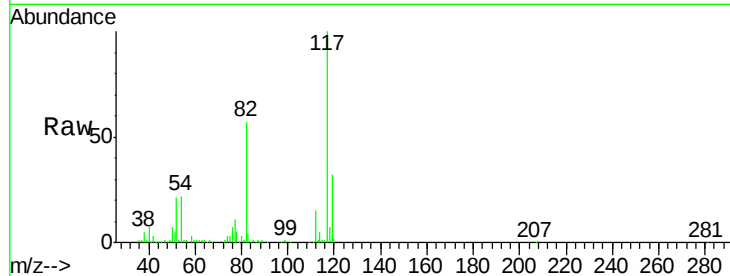
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.0	69.0
119	31.9	25.9	38.9

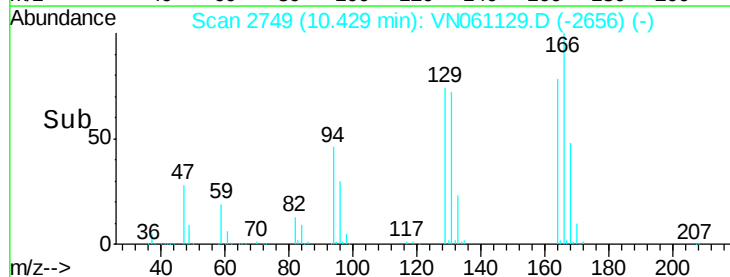
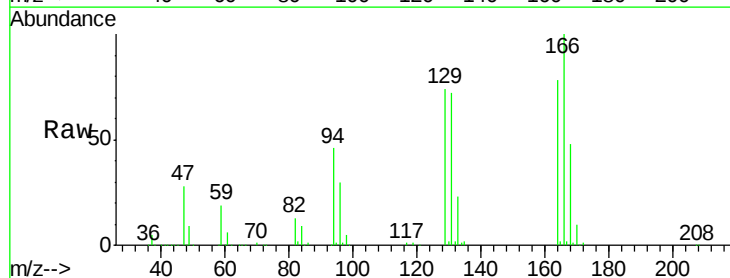
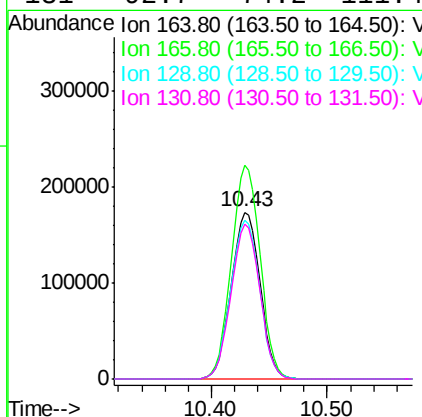
Manual Integrations
APPROVED

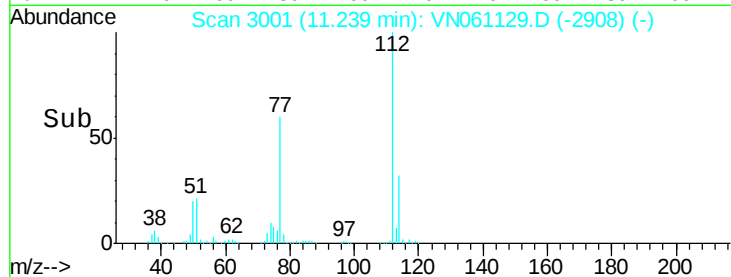
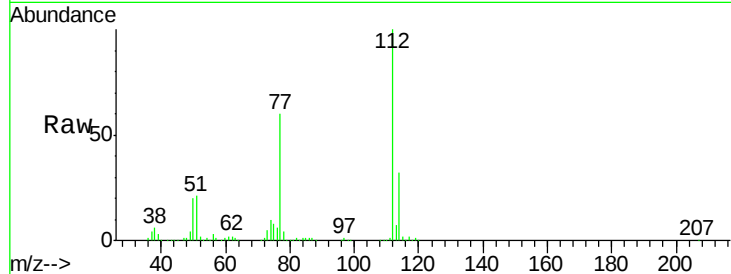
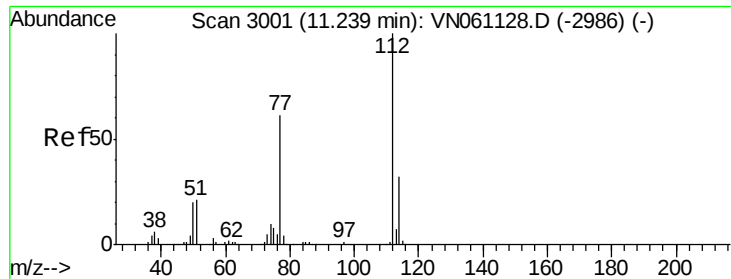
MMDadoda
4/24/2020 1:35:00 PM



#64
Tetrachloroethene
Concen: 114.374 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	95.3	76.5	114.7
131	92.7	74.2	111.4





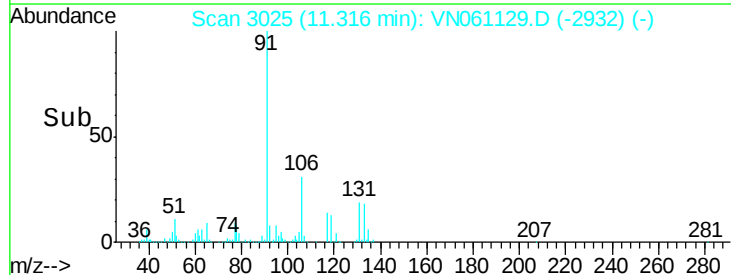
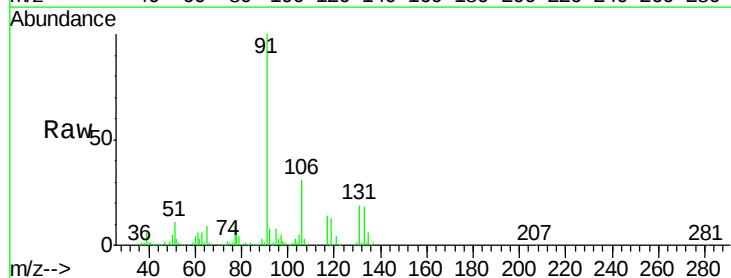
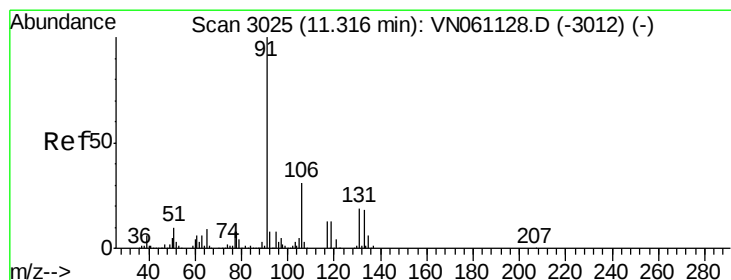
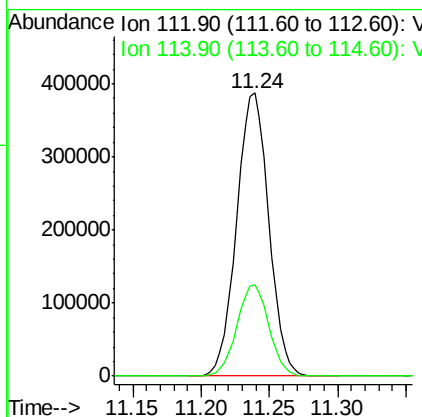
#65
Chlorobenzene
Concen: 95.043 ug/l
RT: 11.24 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tot Ion:112 Resp: 634395
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

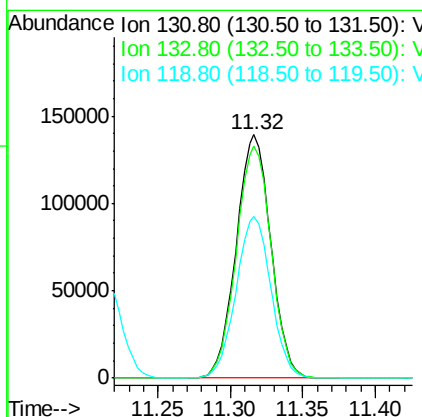
Manual Integrations
APPROVED

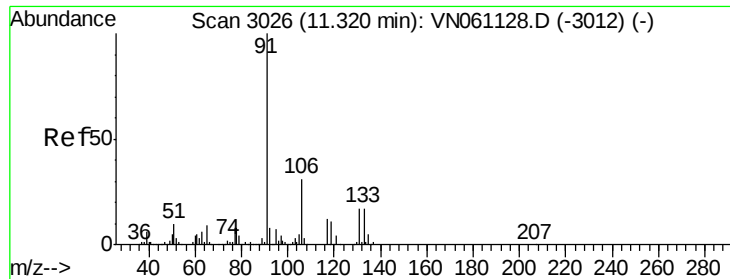
MMDadoda
4/24/2020 1:35:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 96.522 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:131 Resp: 230878
Ion Ratio Lower Upper
131 100
133 96.2 48.2 144.6
119 66.6 33.1 99.5





#67

Ethyl Benzene

Concen: 93.925 ug/l

RT: 11.32 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1176734

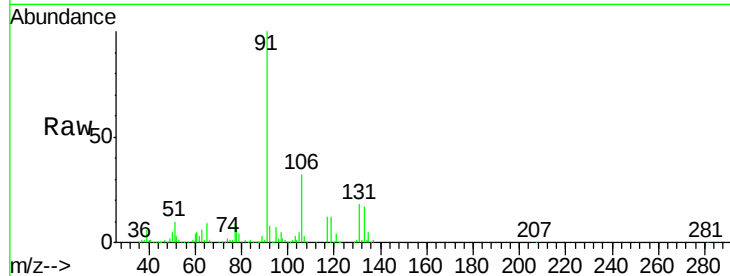
Ion Ratio Lower Upper

91 100

106 31.5 24.7 37.1

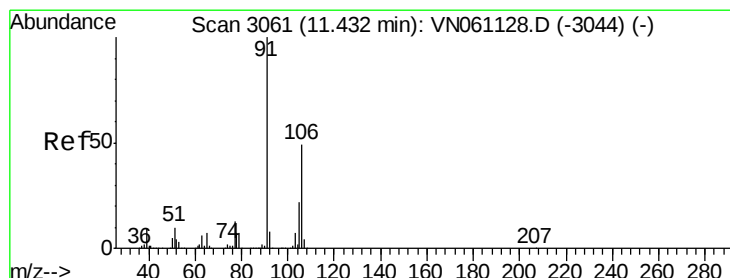
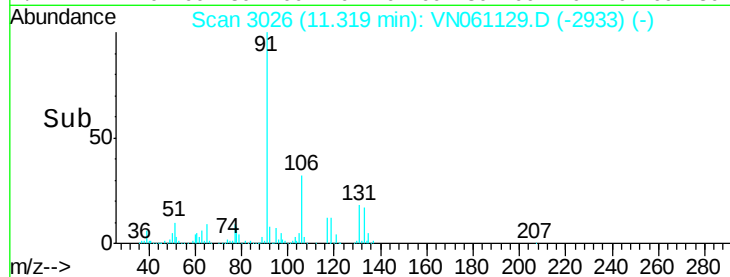
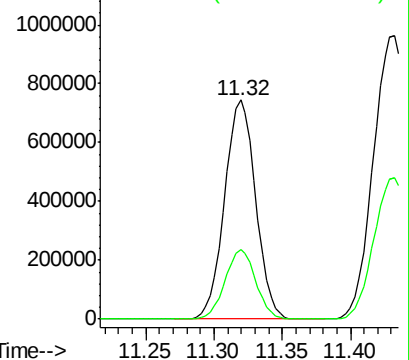
Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061128.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN061128.D (-3012) (-)



#68

m/p-Xylenes

Concen: 195.681 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN061129.D

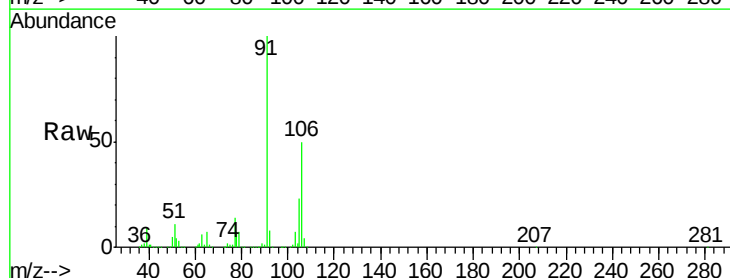
Acq: 22 Apr 2020 14:44

Tgt Ion: 106 Resp: 891473

Ion Ratio Lower Upper

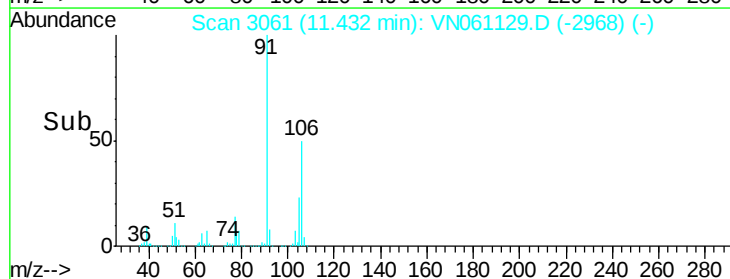
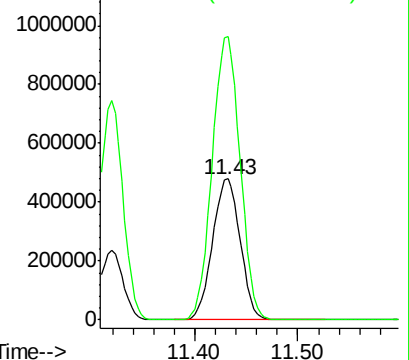
106 100

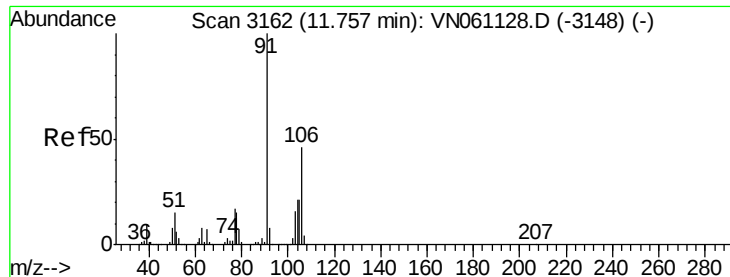
91 203.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VN061128.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN061128.D (-3044) (-)





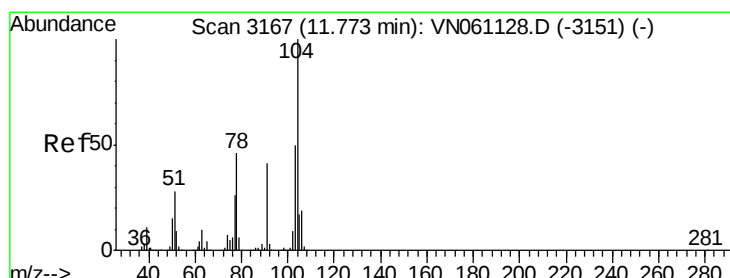
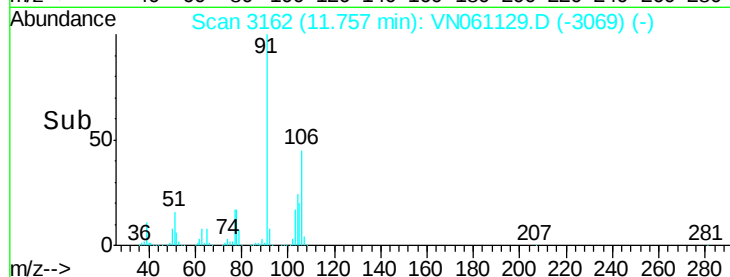
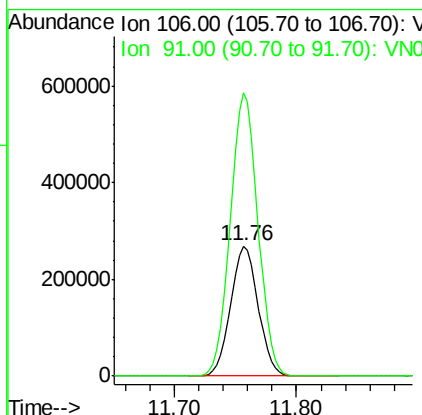
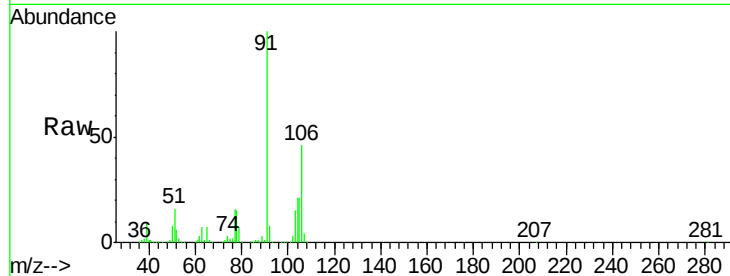
#69
o-Xylene
Concen: 96.749 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	217.8	107.6	322.8	

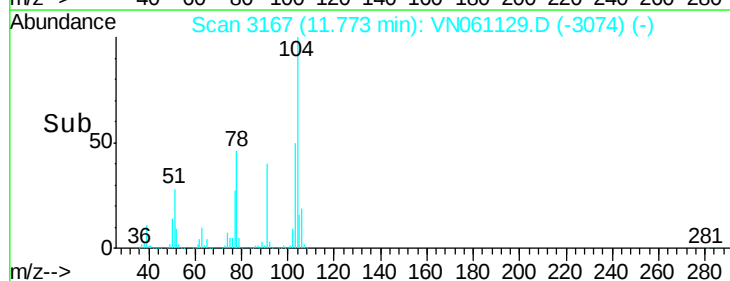
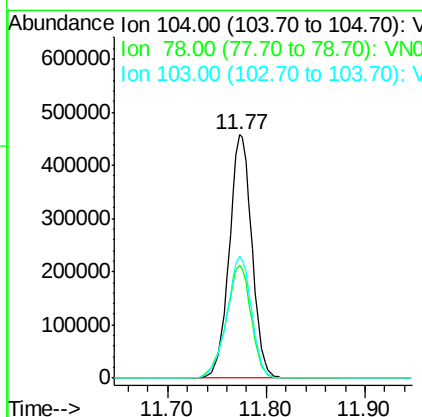
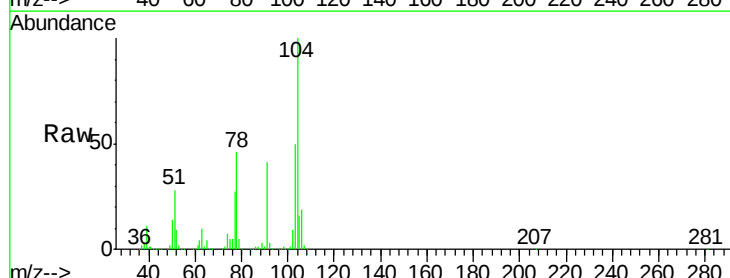
Manual Integrations
APPROVED

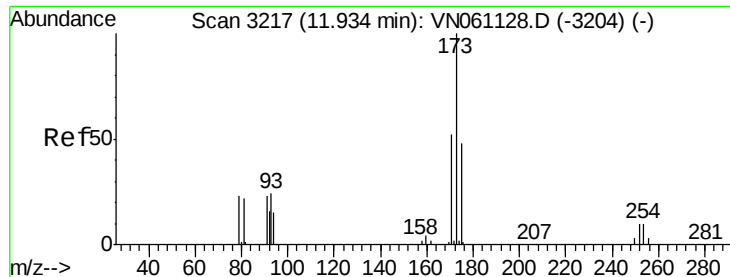
MMDadoda
4/24/2020 1:35:00 PM



#70
Styrene
Concen: 103.750 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.3	40.6	61.0	
103	54.8	43.7	65.5	





#71

Bromoform

Concen: 106.676 ug/l

RT: 11.93 min Scan# 3217

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

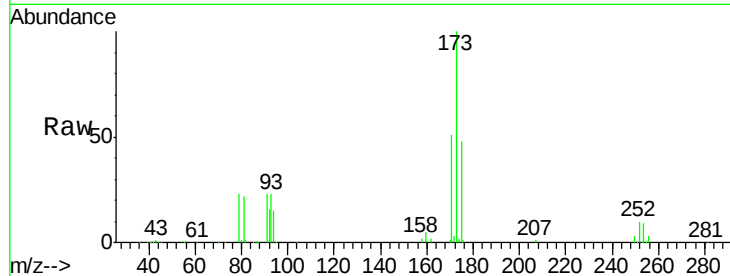
ClientSampleId :

VSTDIC100

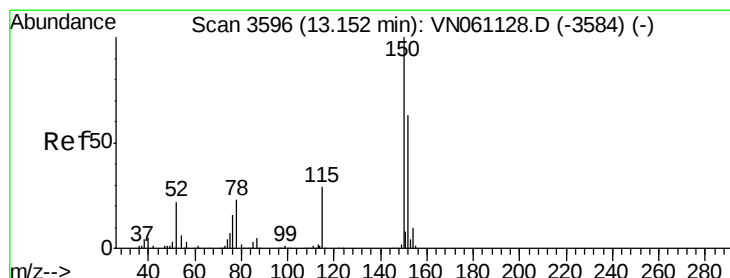
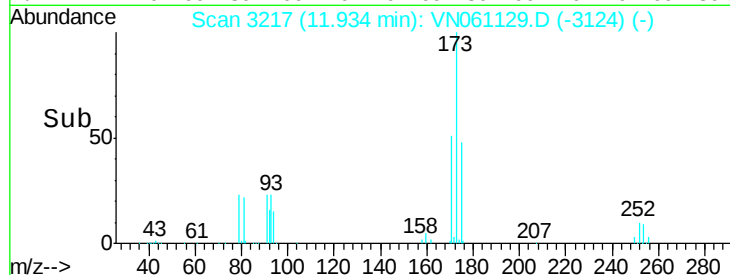
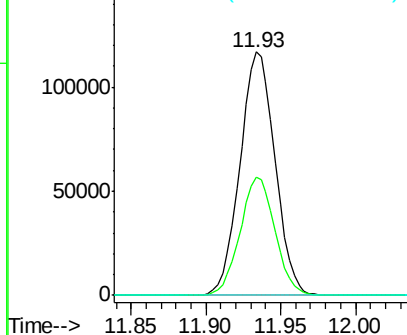
Tot Ion:	173	Resp:	190319
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.9	71.8
254	0.0	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

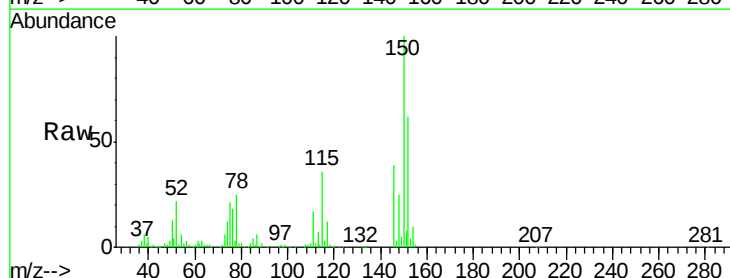
RT: 13.16 min Scan# 3597

Delta R.T. 0.00 min

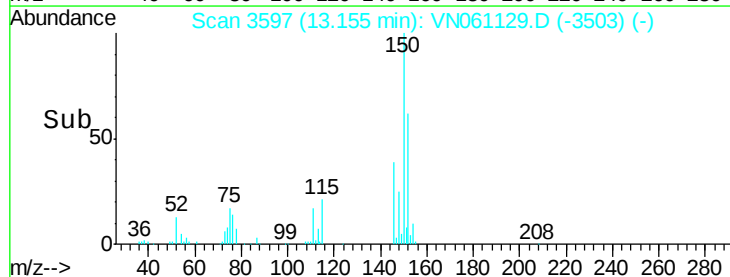
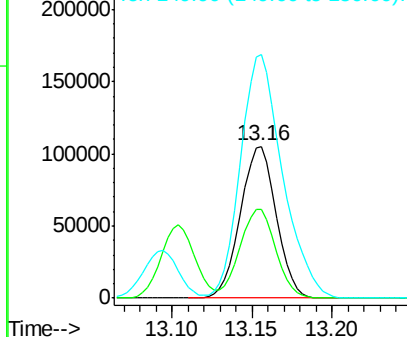
Lab File: VN061129.D

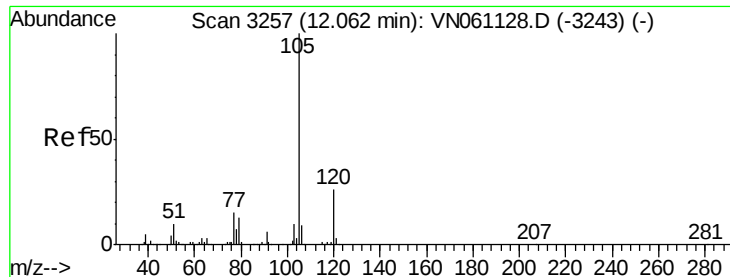
Acq: 22 Apr 2020 14:44

Tgt Ion:	152	Resp:	160584
Ion Ratio	Lower	Upper	
152	100		
115	59.1	29.8	89.5
150	189.1	0.0	348.6



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





#73

Isopropylbenzene

Concen: 89.539 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1147503

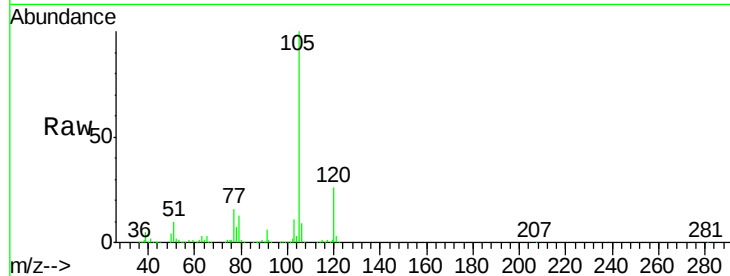
Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.06

800000

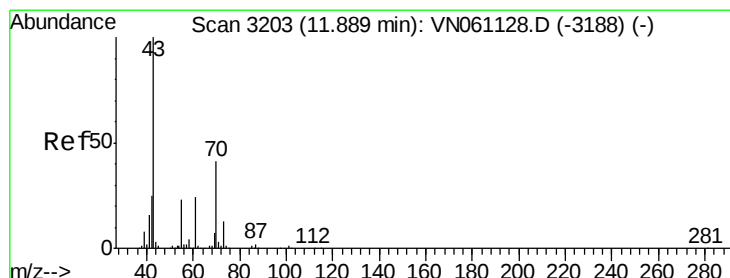
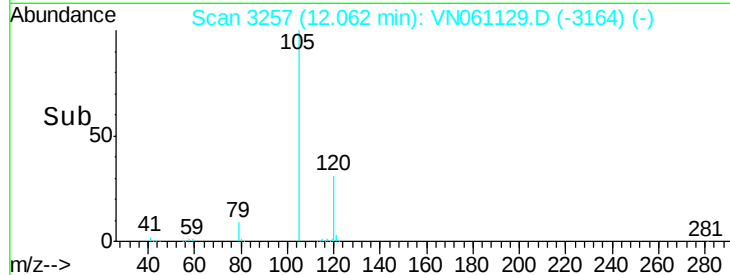
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 91.011 ug/l

RT: 11.89 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion: 43 Resp: 538601

Ion Ratio Lower Upper

43 100

70 40.7 32.5 48.7

55 23.6 19.0 28.6

61 24.1 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

11.89

500000

400000

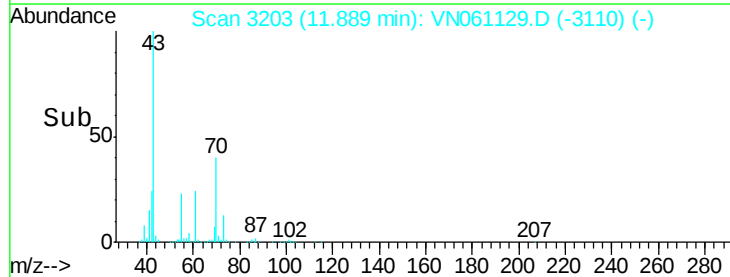
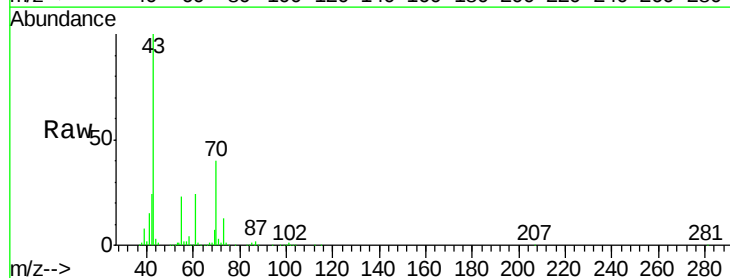
300000

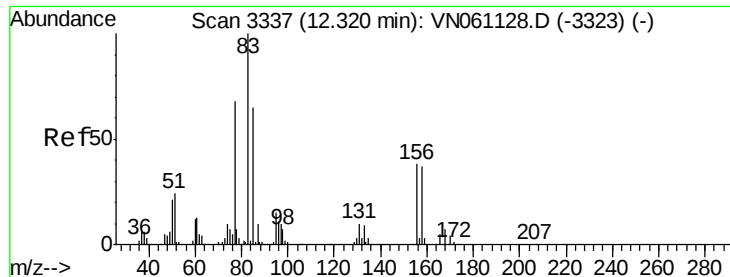
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 81.147 ug/l

RT: 12.32 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 310812

Ion Ratio Lower Upper

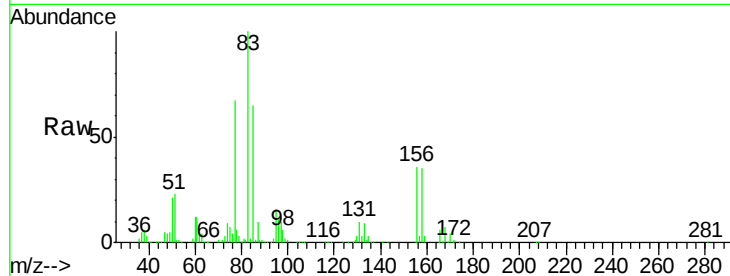
83 100

131 10.0 5.1 15.2

85 64.4 31.9 95.5

Manual Integrations
APPROVED

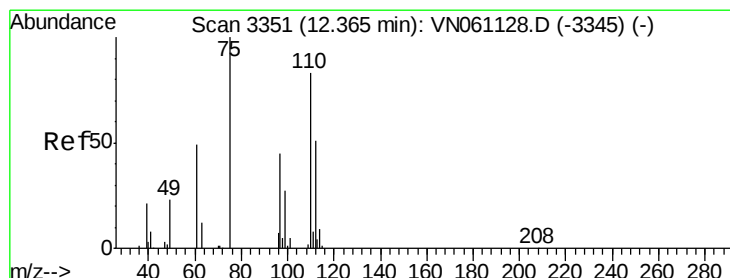
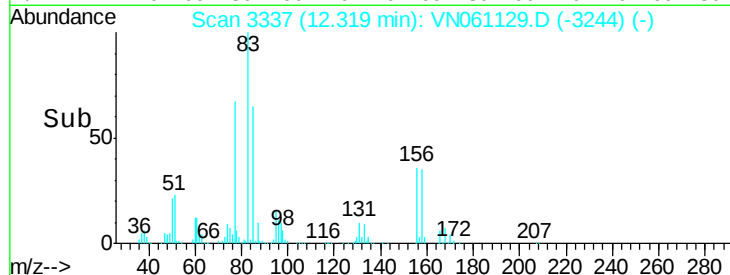
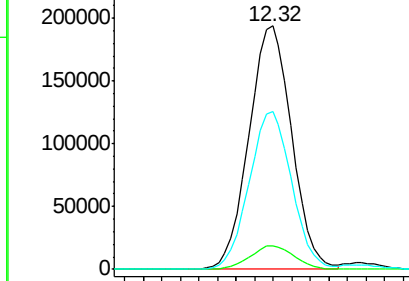
MMDadoda
4/24/2020 1:35:00 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061129.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN061129.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN061129.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 100.909 ug/l m

RT: 12.36 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN061129.D

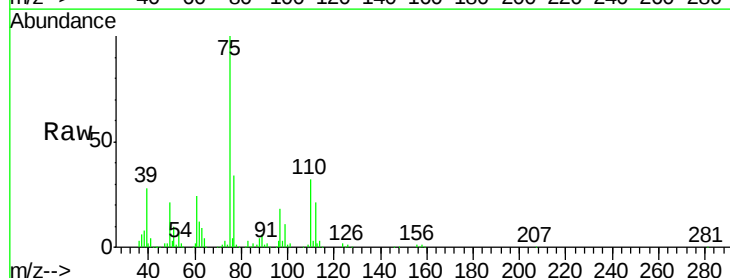
Acq: 22 Apr 2020 14:44

Tgt Ion: 75 Resp: 362195

Ion Ratio Lower Upper

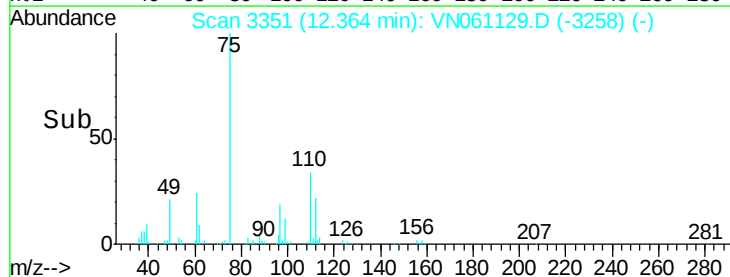
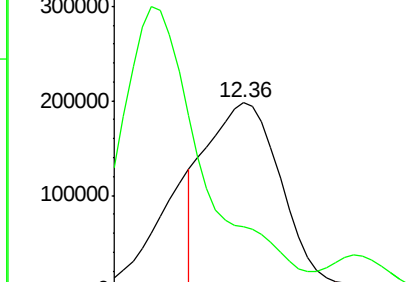
75 100

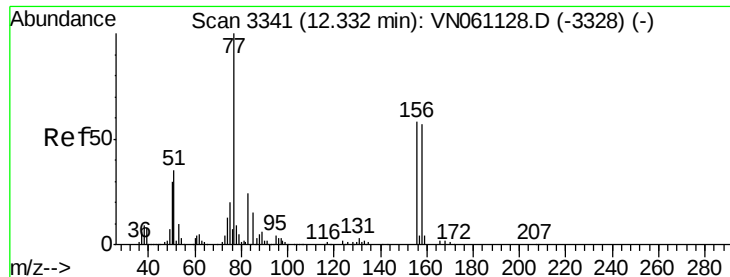
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061129.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN061129.D (-3345) (-)





#77

Bromobenzene

Concen: 92.863 ug/l

RT: 12.33 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

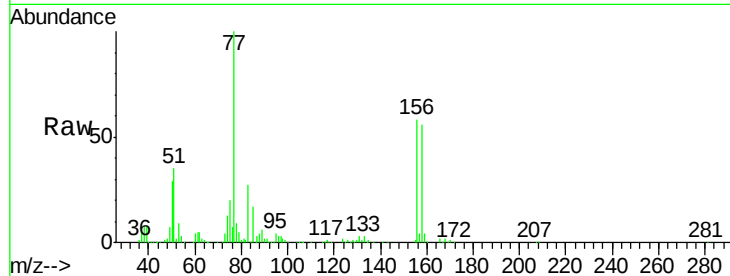
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	280112
Ion Ratio	Lower	Upper	
156	100		
77	214.4	105.7	317.1
158	96.7	48.3	144.9

Manual Integrations
APPROVED

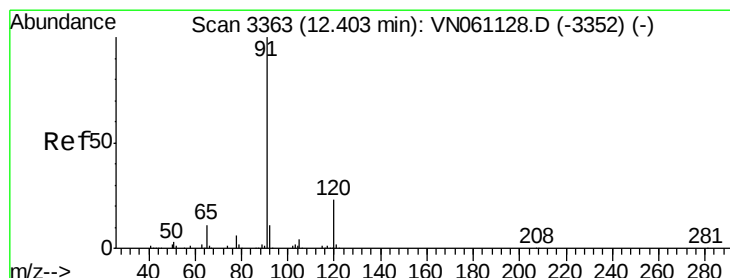
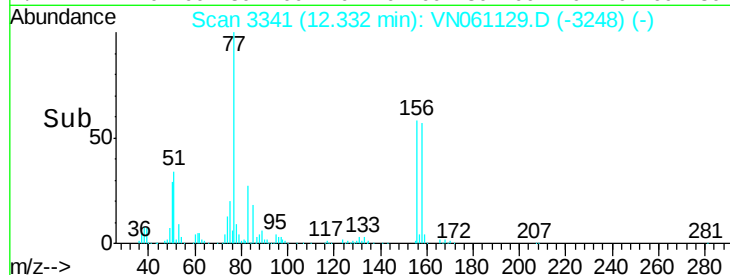
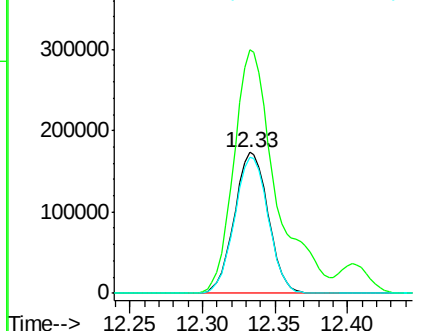
MMDadoda
4/24/2020 1:35:00 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 90.638 ug/l

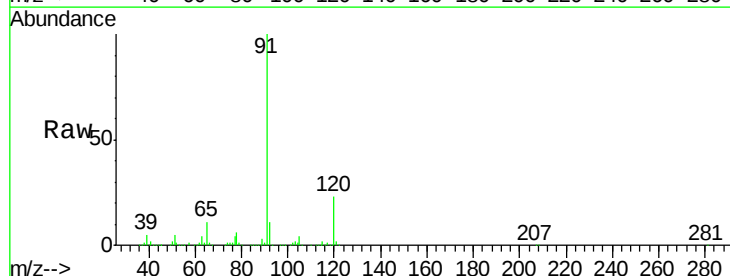
RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN061129.D

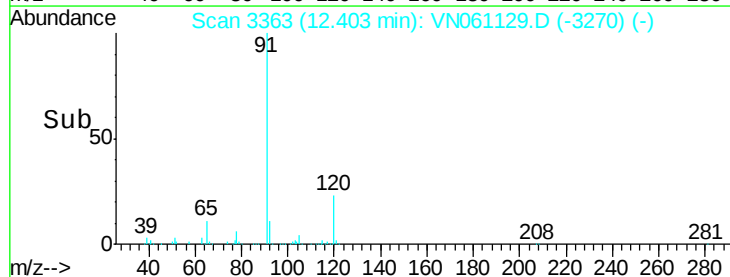
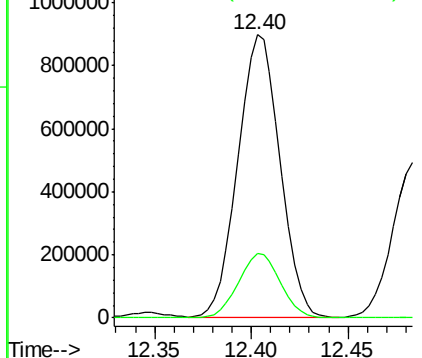
Acq: 22 Apr 2020 14:44

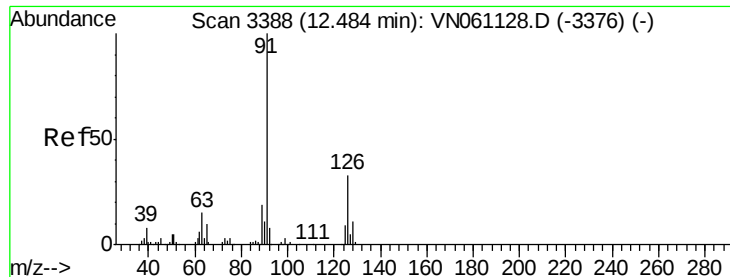
Tgt Ion:	91	Resp:	1354641
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 89.082 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 780669

Ion Ratio Lower Upper

91 100

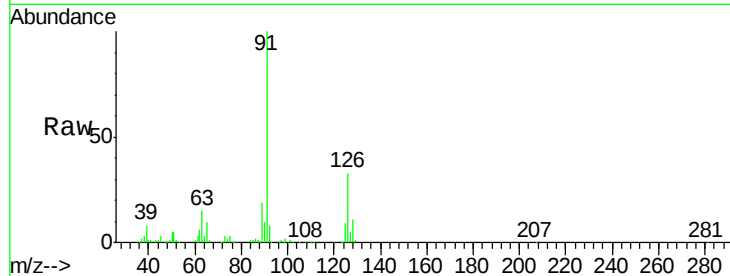
126 33.4 16.7 50.1

Manual Integrations

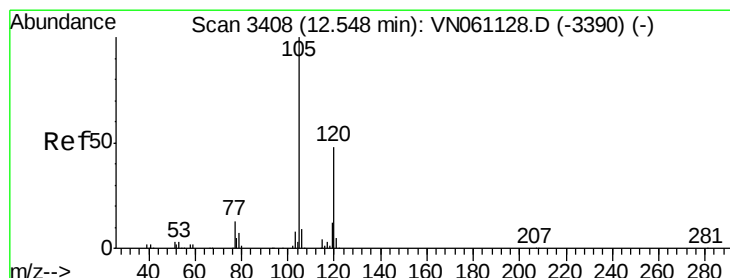
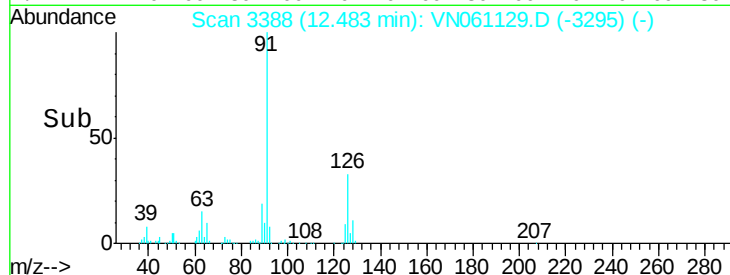
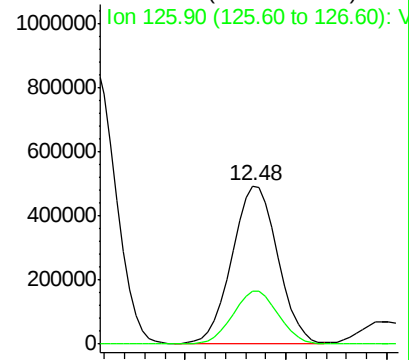
APPROVED

MMDadoda

4/24/2020 1:35:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061129.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 92.113 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061129.D

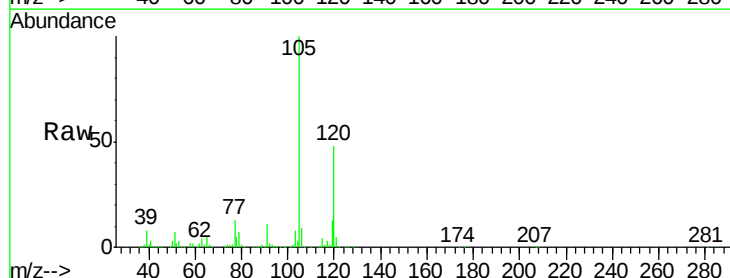
Acq: 22 Apr 2020 14:44

Tgt Ion:105 Resp: 975147

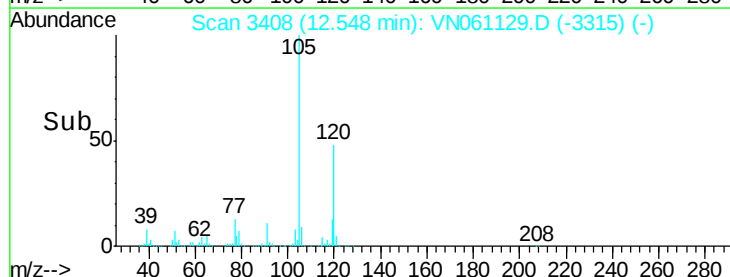
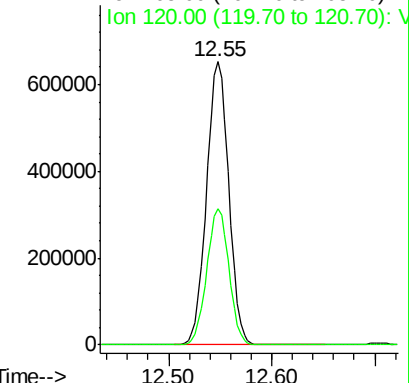
Ion Ratio Lower Upper

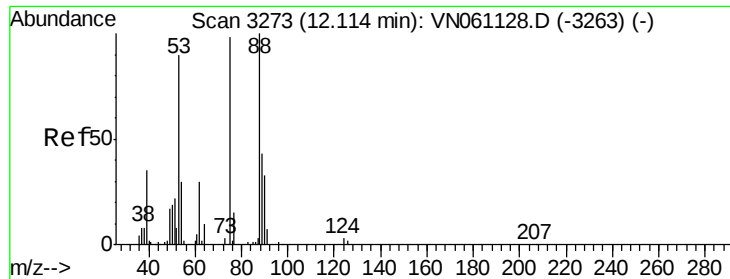
105 100

120 48.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061129.D (-3390) (-)





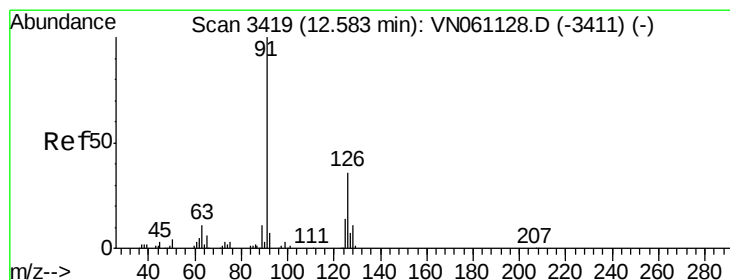
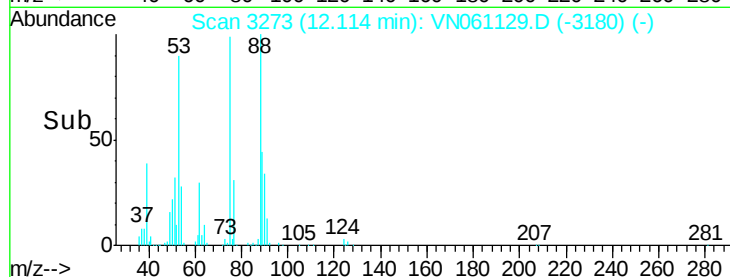
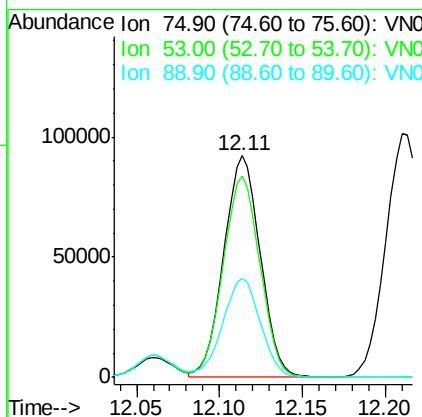
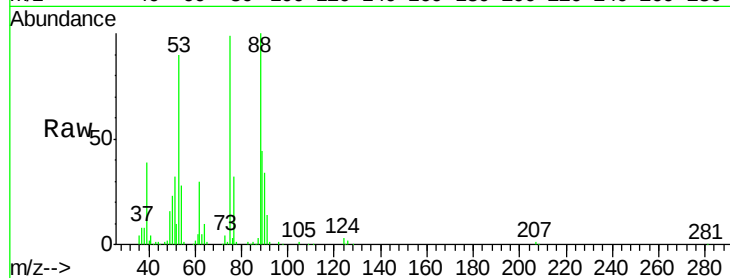
#81
trans-1,4-Dichloro-2-butene
Concen: 98.535 ug/l
RT: 12.11 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	74.3	111.5
89	46.0	36.6	55.0

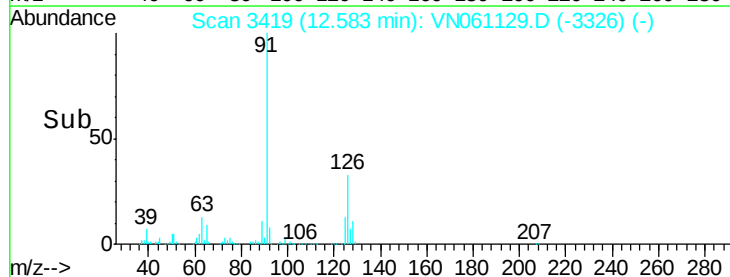
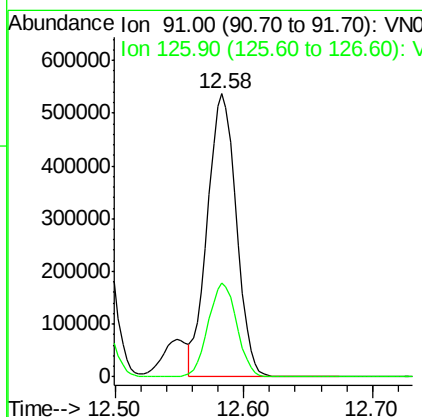
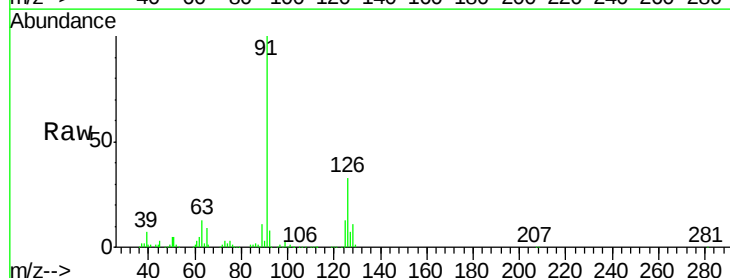
Manual Integrations
APPROVED

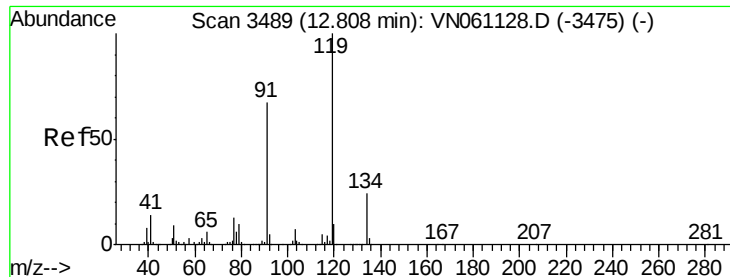
MMDadoda
4/24/2020 1:35:00 PM



#82
4-Chlorotoluene
Concen: 91.545 ug/l
RT: 12.58 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2





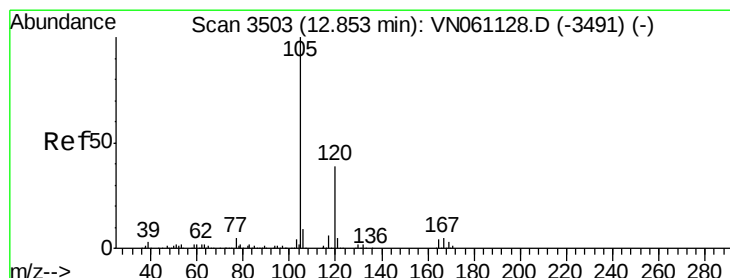
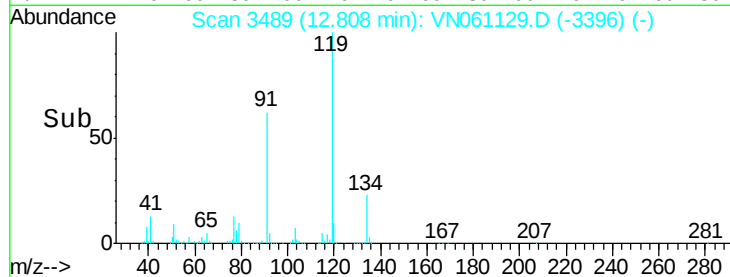
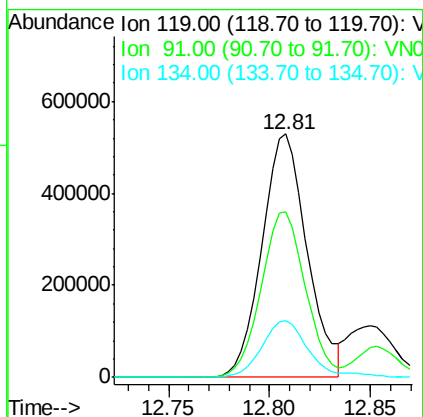
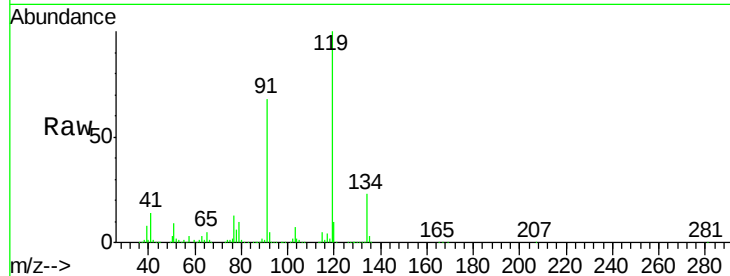
#83
 tert-Butylbenzene
 Concen: 92.468 ug/l
 RT: 12.81 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	119	Resp:	826086
Ion Ratio	Lower	Upper	
119	100		
91	66.4	32.8	98.4
134	24.3	12.2	36.4

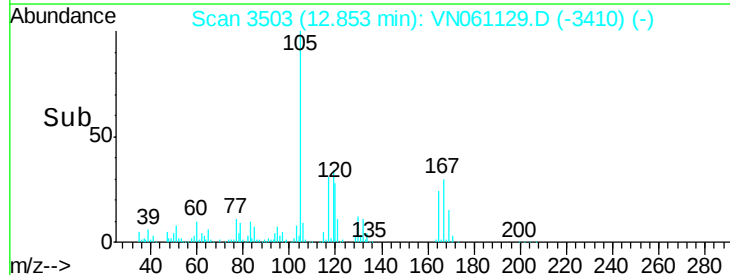
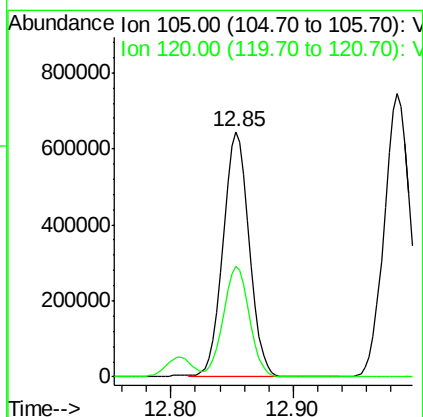
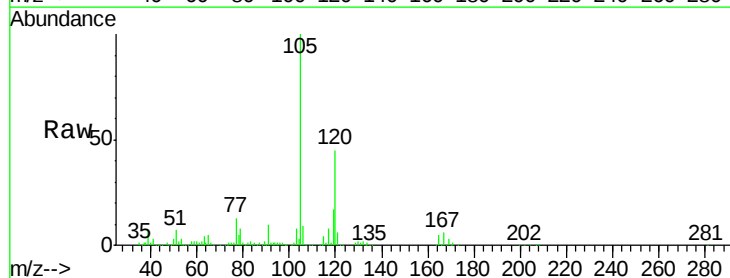
Manual Integrations
 APPROVED

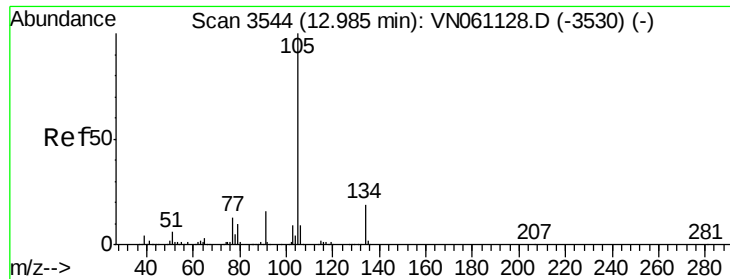
MMDadoda
 4/24/2020 1:35:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 92.841 ug/l
 RT: 12.85 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion:	105	Resp:	972217
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.4	67.0





#85

sec-Butylbenzene

Concen: 92.943 ug/l

RT: 12.98 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1121007

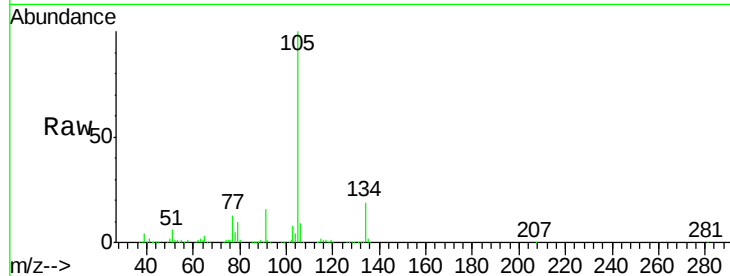
Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

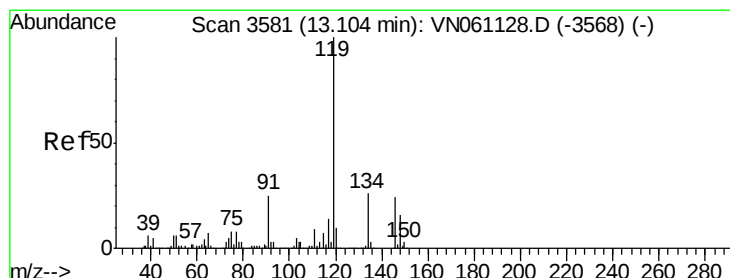
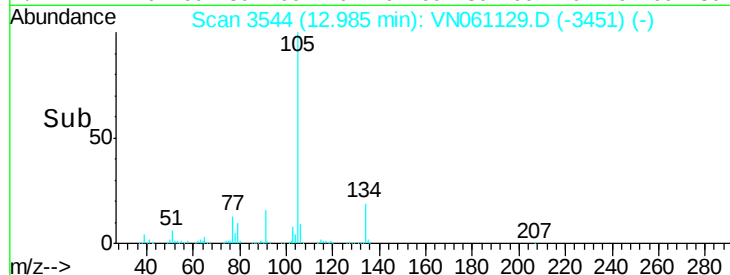
0

12.90

13.00

13.10

Time-->



#86

p-Isopropyltoluene

Concen: 94.247 ug/l

RT: 13.10 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

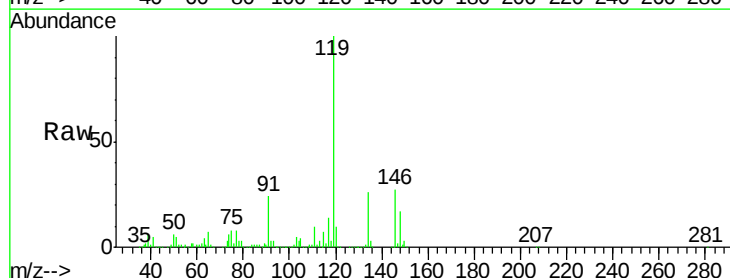
Tgt Ion:119 Resp: 1014998

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 24.1 12.4 37.0



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

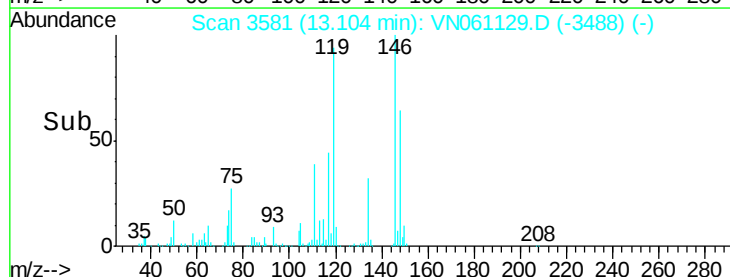
0

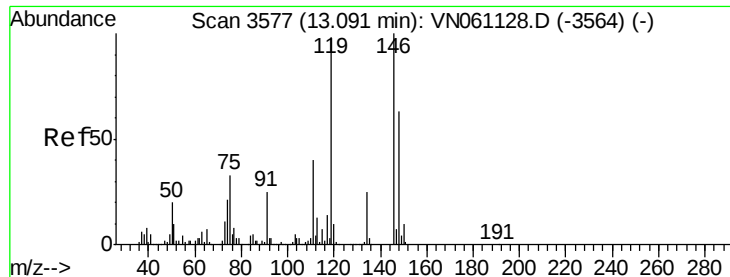
13.05

13.10

13.15

Time-->





#87

1,3-Dichlorobenzene

Concen: 93.759 ug/l

RT: 13.09 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

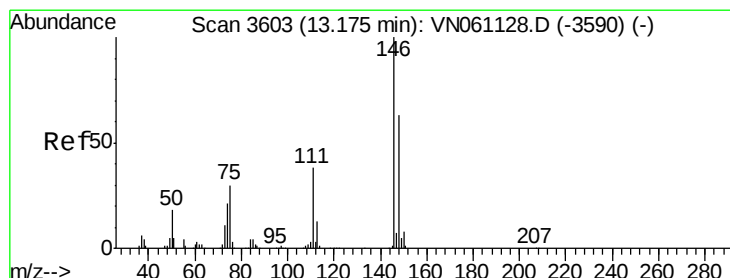
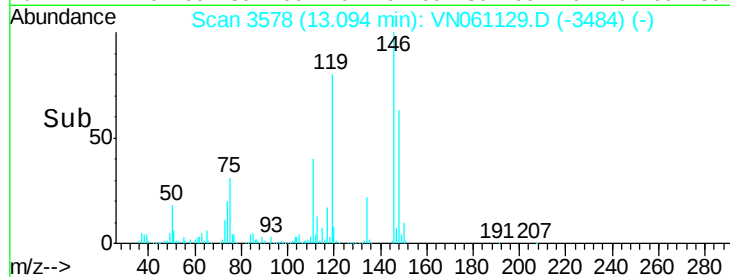
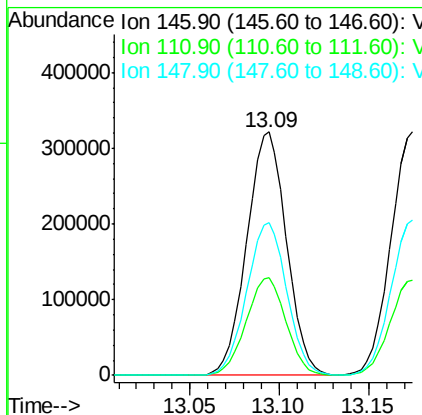
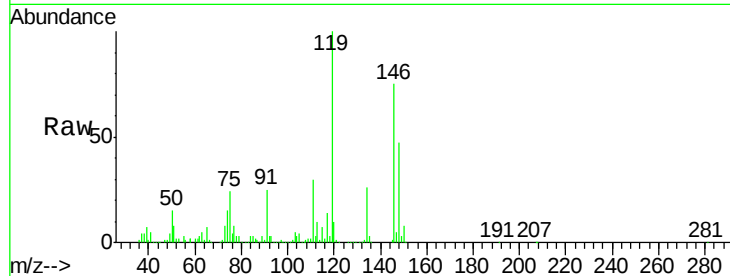
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	501668
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.3	60.9
148	63.2	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#88

1,4-Dichlorobenzene

Concen: 92.958 ug/l

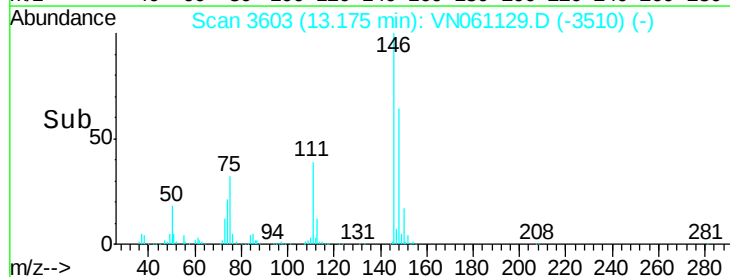
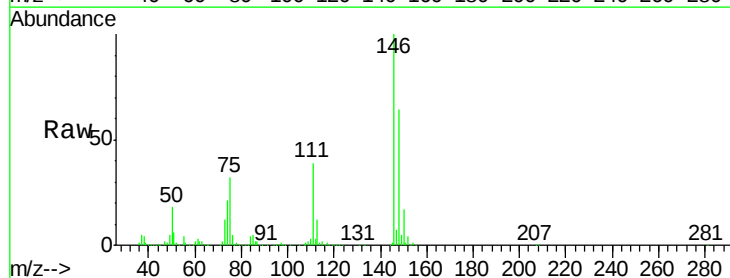
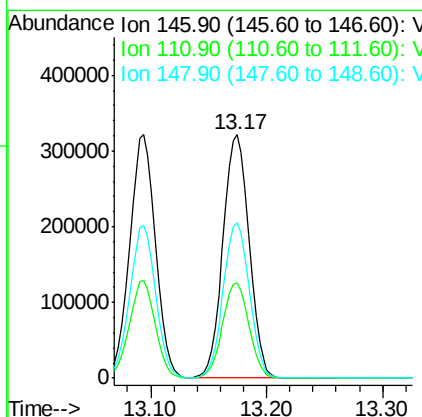
RT: 13.17 min Scan# 3603

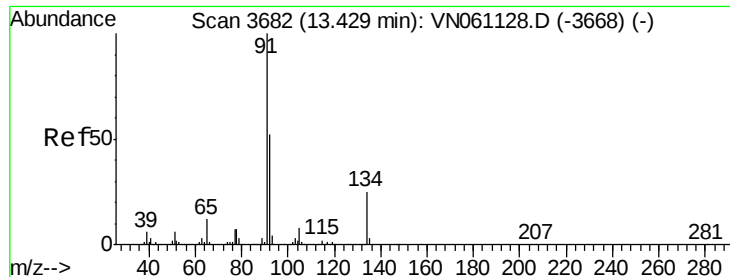
Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion:	146	Resp:	501519
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.7	59.1
148	64.0	31.8	95.3





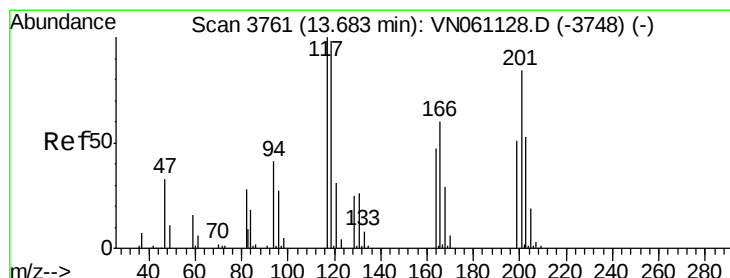
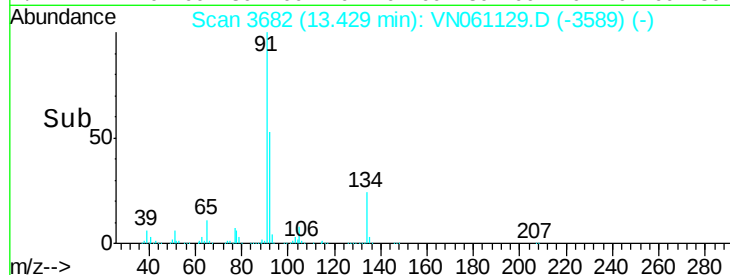
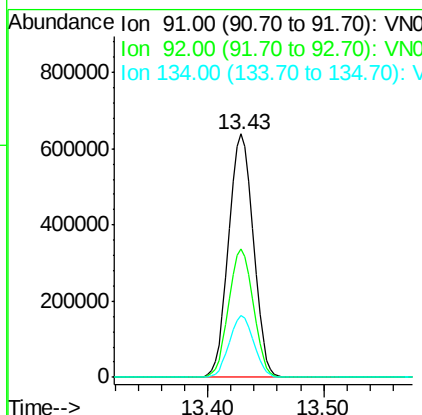
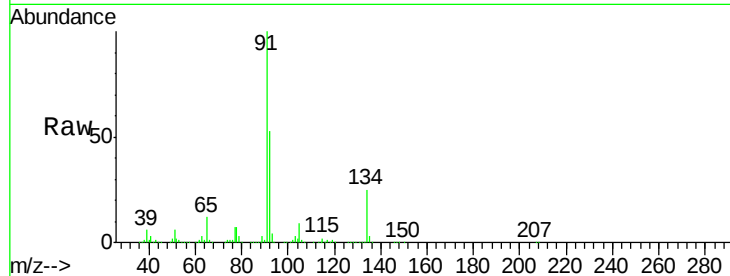
#89
n-Butylbenzene
Concen: 94.018 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.2
134	25.2	12.6	37.6

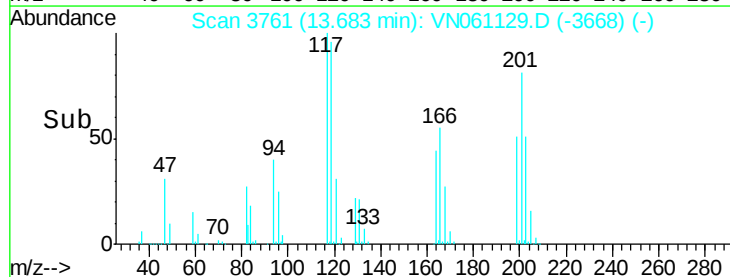
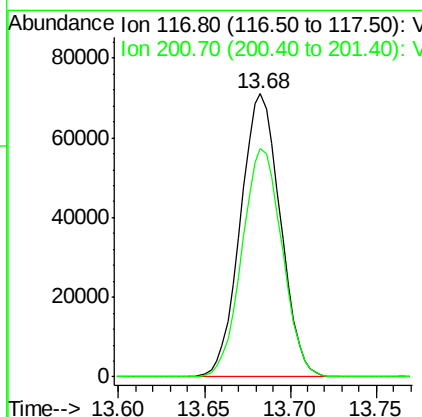
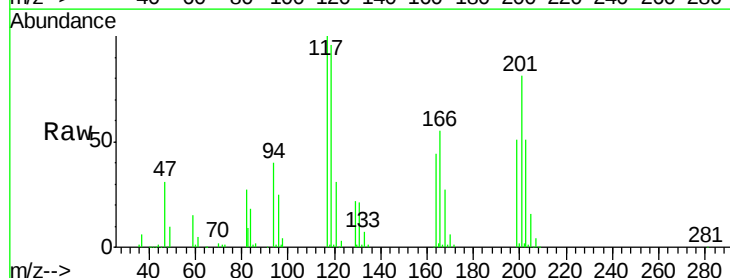
Manual Integrations
APPROVED

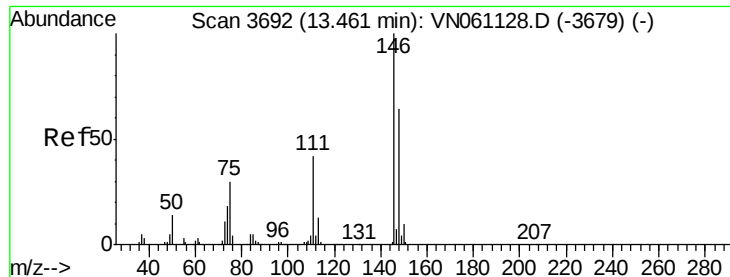
MMDadoda
4/24/2020 1:35:00 PM



#90
Hexachloroethane
Concen: 74.261 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	41.4	124.4





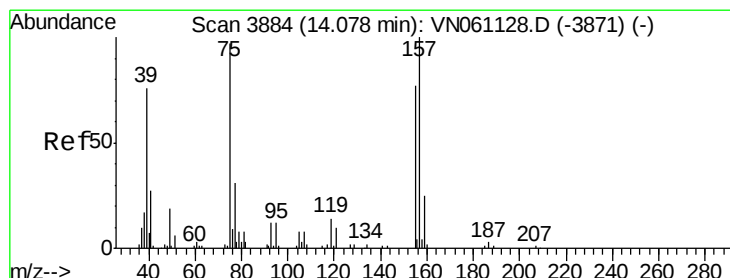
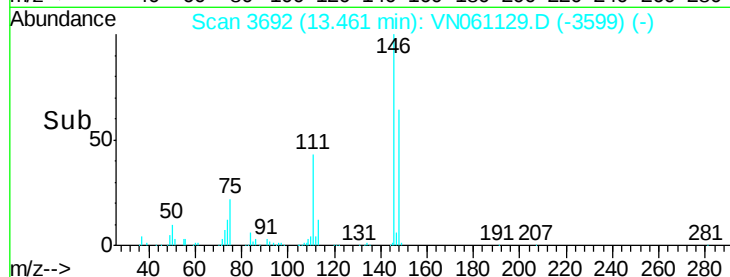
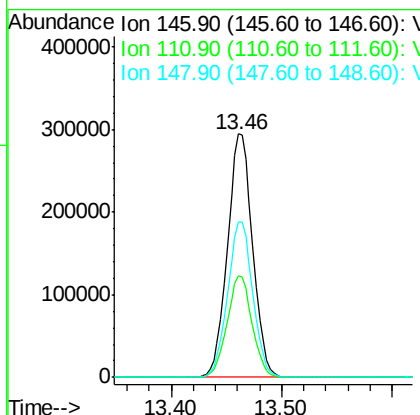
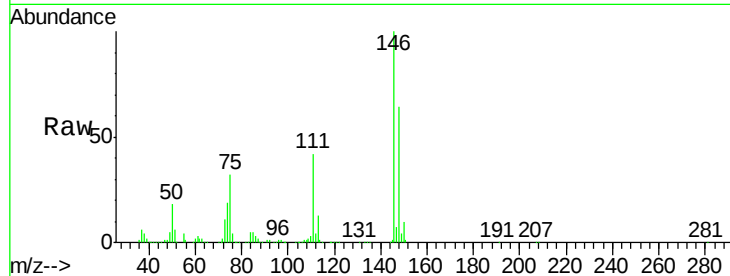
#91
 1,2-Dichlorobenzene
 Concen: 91.144 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	64.0	31.7	95.1

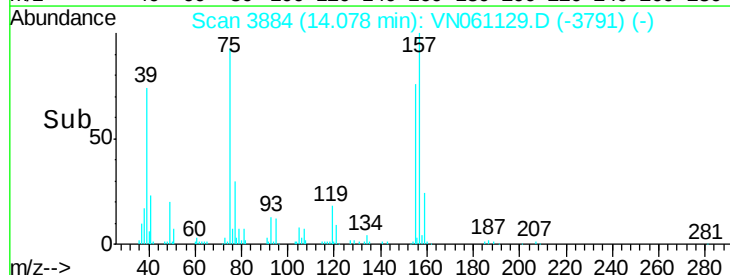
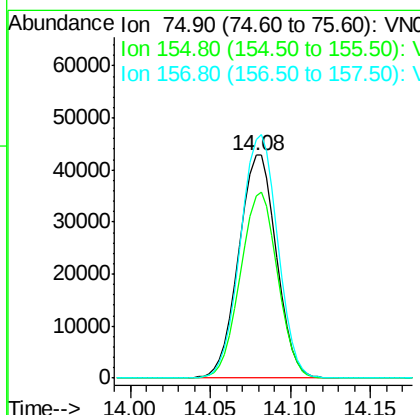
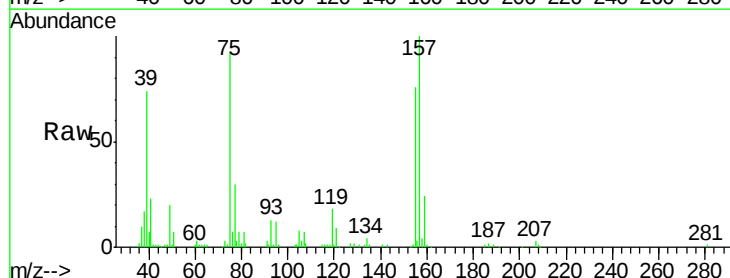
Manual Integrations
 APPROVED

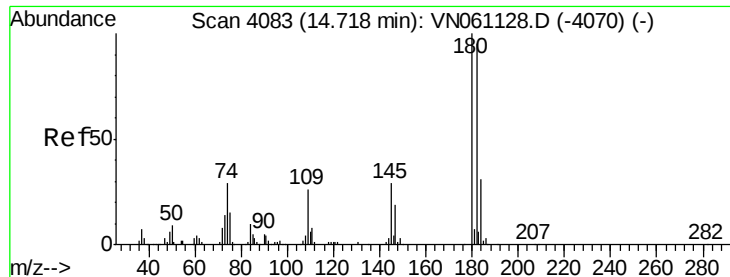
MMDadoda
 4/24/2020 1:35:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.918 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	40.3	120.9
157	107.6	51.6	154.8





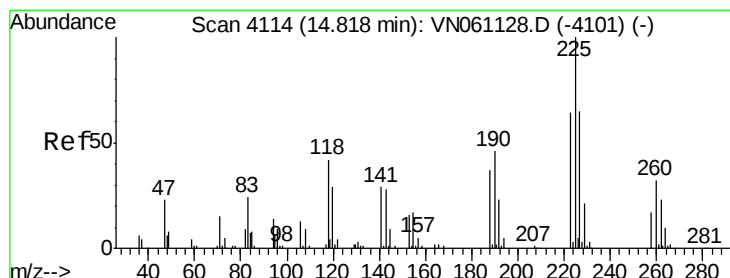
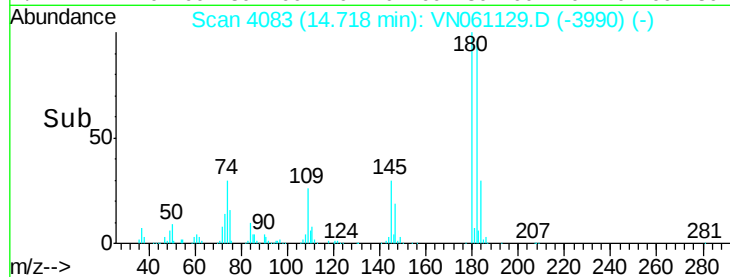
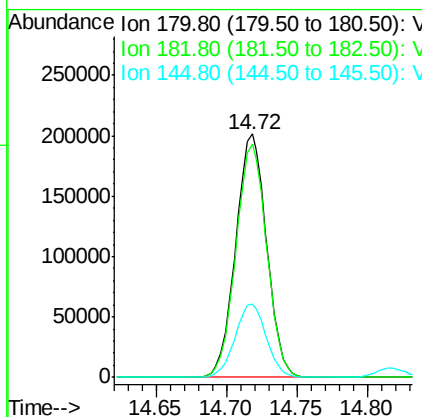
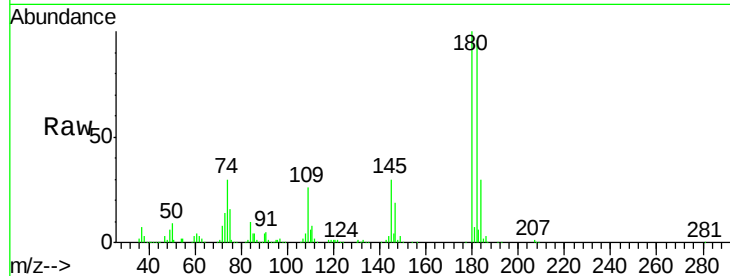
#93
 1,2,4-Trichlorobenzene
 Concen: 101.443 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.9	143.7	
145	30.5	15.2	45.5	

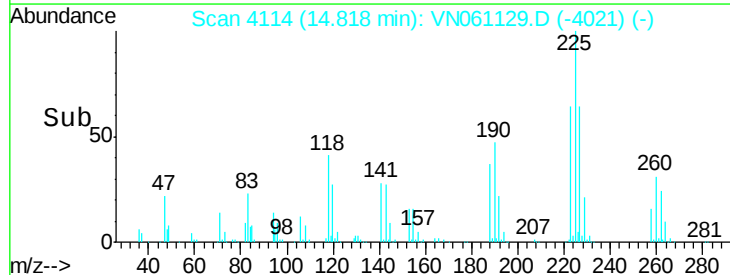
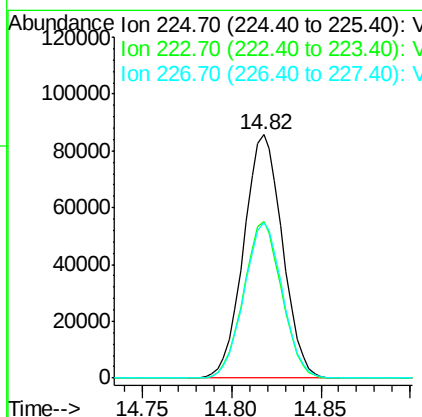
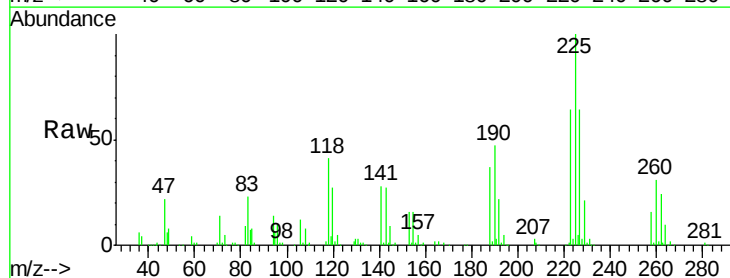
Manual Integrations
 APPROVED

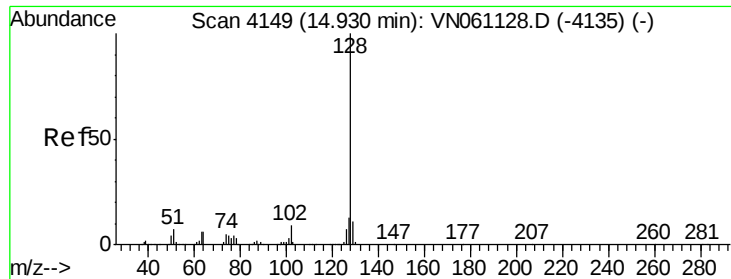
MMDadoda
 4/24/2020 1:35:00 PM



#94
 Hexachlorobutadiene
 Concen: 84.954 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.6	95.0	
227	63.4	32.0	96.2	





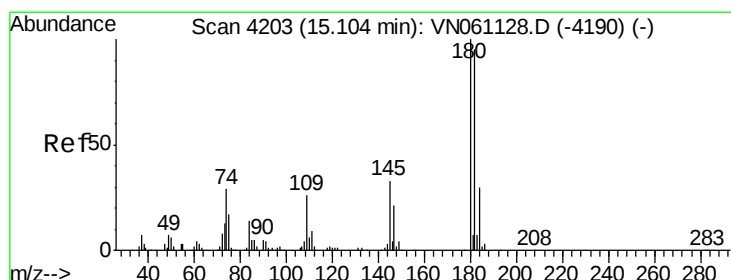
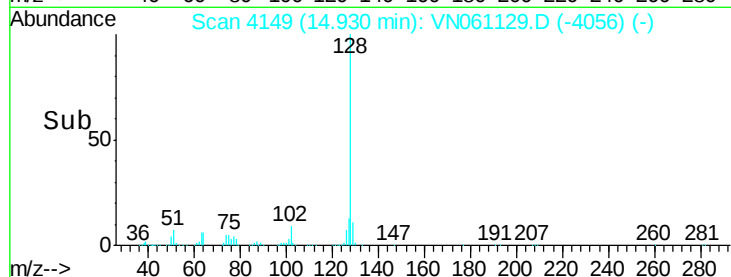
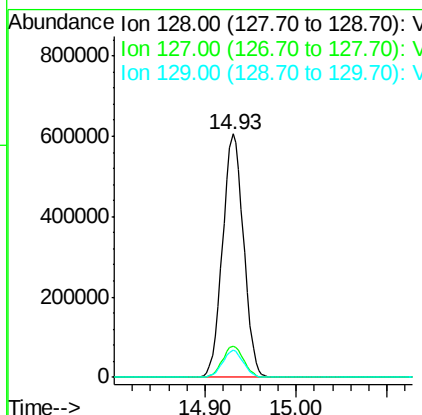
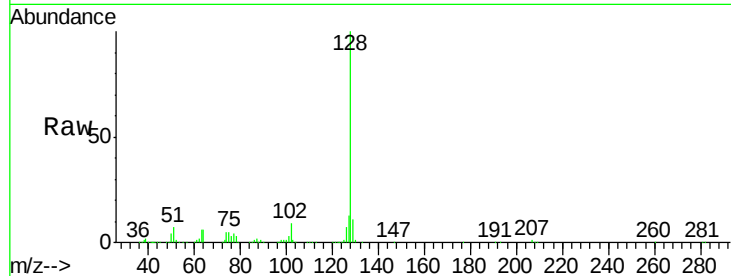
#95
Naphthalene
Concen: 107.675 ug/l
RT: 14.93 min Scan# 4149
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	968759		
127	12.9		10.2	15.4
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 101.745 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	298523		
182	95.9		47.7	143.1
145	32.7		16.3	48.8

