

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064239.D
 Acq On : 22 Oct 2020 1:16
 Operator : JC/MD
 Sample : VN1021WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:10:35 PM

Quant Time: Oct 22 02:52:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	275367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	452352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	206674	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.55	113	148890	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.06	98	534244	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.37	95	215979	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	63661	19.412	ug/l	100
3) Chloromethane	2.04	50	62989	19.791	ug/l	99
4) Vinyl Chloride	2.16	62	64033	20.294	ug/l	94
5) Bromomethane	2.53	94	39793	19.348	ug/l	99
6) Chloroethane	2.67	64	37649	19.600	ug/l	91
7) Trichlorofluoromethane	2.98	101	108026	20.819	ug/l	100
8) Diethyl Ether	3.37	74	34160	19.902	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	51985	19.374	ug/l	98
10) Methyl Iodide	3.91	142	67715	17.747	ug/l	98
11) Tert butyl alcohol	4.72	59	48819	89.182	ug/l	99
12) 1,1-Dichloroethene	3.70	96	50632	19.619	ug/l	90
13) Acrolein	3.57	56	22028	64.105	ug/l	95
14) Allyl chloride	4.27	41	99343	19.233	ug/l	99
15) Acrylonitrile	4.92	53	104721	92.514	ug/l	# 86
16) Acetone	3.77	43	110524	94.459	ug/l	97
17) Carbon Disulfide	4.01	76	145269	19.733	ug/l	100
18) Methyl Acetate	4.27	43	59467	19.945	ug/l	94
19) Methyl tert-butyl Ether	4.98	73	170485	19.215	ug/l	99
20) Methylene Chloride	4.50	84	59120	18.948	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	55898	19.642	ug/l	97
22) Diisopropyl ether	5.89	45	181635	18.916	ug/l	91
23) Vinyl Acetate	5.84	43	821509	95.934	ug/l	99
24) 1,1-Dichloroethane	5.80	63	111217	19.994	ug/l	99
25) 2-Butanone	6.78	43	169442	91.147	ug/l	98
26) 2,2-Dichloropropane	6.77	77	88565	15.993	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	66905	20.187	ug/l	93
28) Bromochloromethane	7.15	49	49225	18.628	ug/l	96
29) Tetrahydrofuran	7.16	42	102346	92.038	ug/l	97
30) Chloroform	7.32	83	115428	19.454	ug/l	98
31) Cyclohexane	7.61	56	91315	18.837	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	113809	20.475	ug/l	98
36) 1,1-Dichloropropene	7.75	75	84996	18.847	ug/l	99
37) Ethyl Acetate	6.87	43	76854	18.770	ug/l	97
38) Carbon Tetrachloride	7.73	117	101190	19.721	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064239.D
 Acq On : 22 Oct 2020 1:16
 Operator : JC/MD
 Sample : VN1021WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1021WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:10:35 PM

Quant Time: Oct 22 02:52:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	76274	18.600	ug/l	99
40) Benzene	8.00	78	236892	19.029	ug/l	96
41) Methacrylonitrile	7.14	41	41617m	19.376	ug/l	
42) 1,2-Dichloroethane	8.08	62	99851	18.724	ug/l	100
43) Isopropyl Acetate	8.12	43	142508	18.675	ug/l #	92
44) Trichloroethene	8.80	130	66852	19.707	ug/l	89
45) 1,2-Dichloropropane	9.08	63	63460	19.095	ug/l	95
46) Dibromomethane	9.17	93	44070	19.749	ug/l	97
47) Bromodichloromethane	9.37	83	95859	19.443	ug/l	99
48) Methyl methacrylate	9.16	41	69620	17.465	ug/l	97
49) 1,4-Dioxane	9.16	88	16828	360.801	ug/l #	85
51) 4-Methyl-2-Pentanone	9.95	43	375991	92.193	ug/l	99
52) Toluene	10.12	92	151509	19.021	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	103638	18.923	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	105703	18.330	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	57777	19.205	ug/l	97
56) Ethyl methacrylate	10.40	69	88799	19.089	ug/l	98
57) 1,3-Dichloropropane	10.68	76	101422	19.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	215450	89.945	ug/l	98
59) 2-Hexanone	10.72	43	268027	89.989	ug/l	100
60) Dibromochloromethane	10.87	129	71161	18.272	ug/l	99
61) 1,2-Dibromoethane	10.97	107	60203	18.964	ug/l	98
64) Tetrachloroethene	10.60	164	64372	19.275	ug/l	96
65) Chlorobenzene	11.40	112	164835	19.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	63881	18.742	ug/l	98
67) Ethyl Benzene	11.48	91	300946	19.071	ug/l	100
68) m/p-Xylenes	11.60	106	218585	37.386	ug/l	100
69) o-Xylene	11.92	106	106679	18.866	ug/l	99
70) Styrene	11.94	104	176436	18.615	ug/l	98
71) Bromoform	12.10	173	48824	18.543	ug/l #	95
73) Isopropylbenzene	12.22	105	287139	18.984	ug/l	99
74) N-amyl acetate	12.04	43	121480	18.587	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	73389	18.284	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	77822m	18.614	ug/l	
77) Bromobenzene	12.50	156	69038	19.334	ug/l	99
78) n-propylbenzene	12.56	91	312455	18.321	ug/l	99
79) 2-Chlorotoluene	12.65	91	200166	19.109	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	234529	18.341	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	26263	15.860	ug/l	92
82) 4-Chlorotoluene	12.75	91	210889	19.301	ug/l	98
83) tert-Butylbenzene	12.97	119	193966	18.501	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	243591	19.139	ug/l	100
85) sec-Butylbenzene	13.14	105	247596	18.733	ug/l	99
86) p-Isopropyltoluene	13.26	119	225015	18.695	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	118155	18.596	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	119647	18.398	ug/l	99
89) n-Butylbenzene	13.59	91	196028	18.169	ug/l	99
90) Hexachloroethane	13.85	117	38843	17.820	ug/l	96
91) 1,2-Dichlorobenzene	13.62	146	113269	18.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18957	18.931	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064239.D
Acq On : 22 Oct 2020 1:16
Operator : JC/MD
Sample : VN1021WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

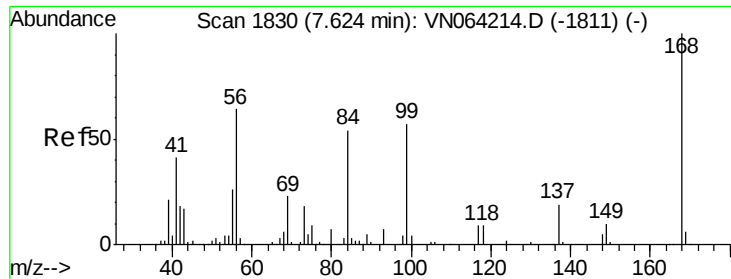
Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM

Quant Time: Oct 22 02:52:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	64957	18.580	ug/l	100
94) Hexachlorobutadiene	14.98	225	31071	16.478	ug/l	95
95) Naphthalene	15.10	128	192177	18.356	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	62426	18.029	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion:168 Resp: 275367

Ion Ratio Lower Upper

168 100

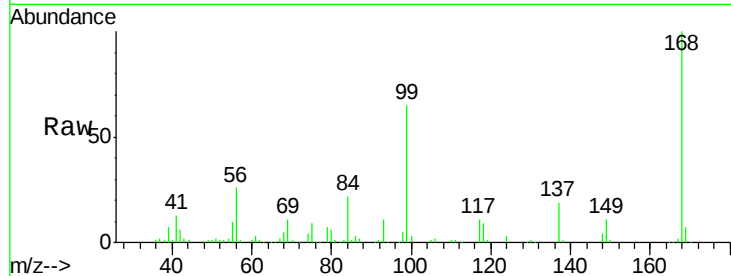
99 64.4 54.0 81.0

Manual Integrations

APPROVED

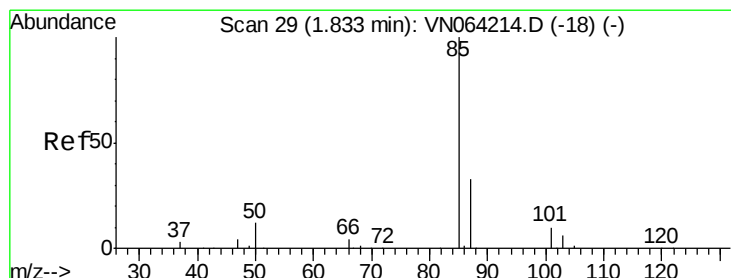
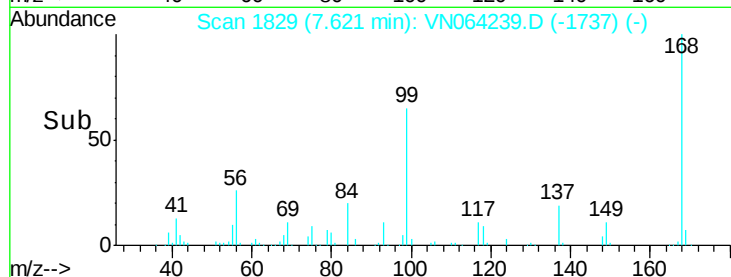
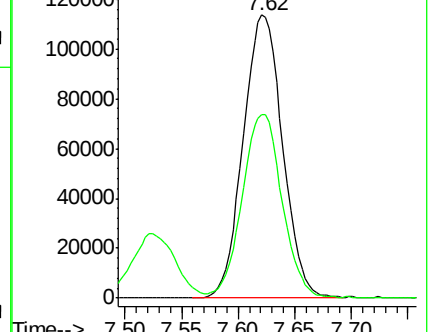
MMDadoda

10/23/2020 2:10:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.412 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064239.D

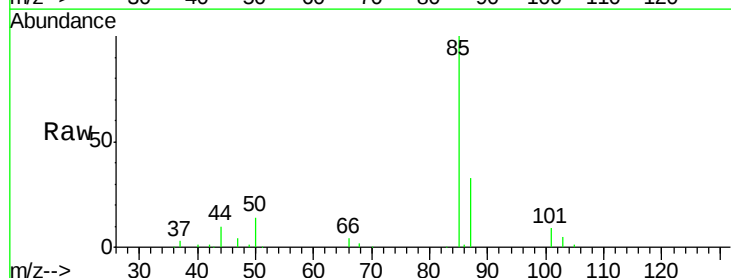
Acq: 22 Oct 2020 1:16

Tgt Ion: 85 Resp: 63661

Ion Ratio Lower Upper

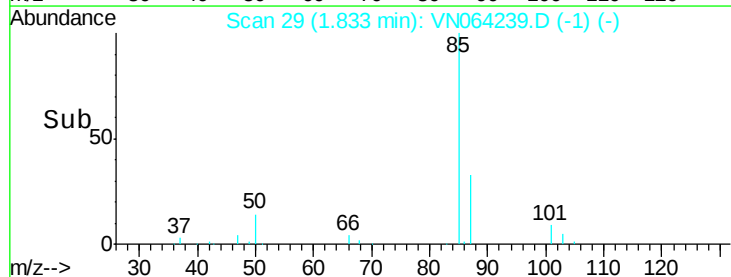
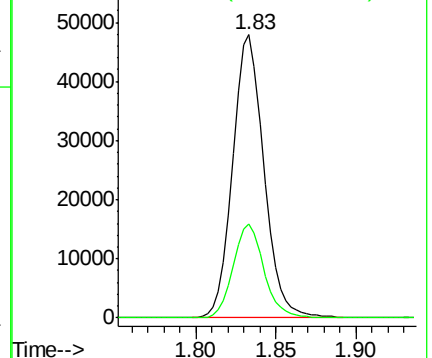
85 100

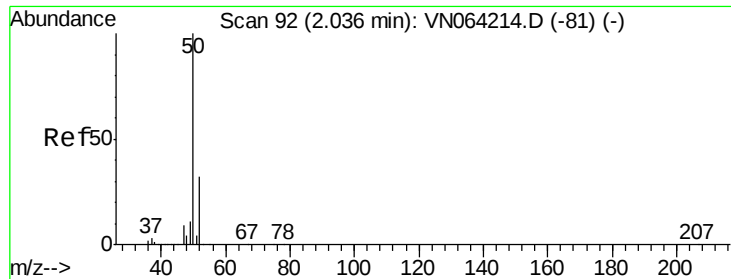
87 33.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.791 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion: 50 Resp: 62989

Ion Ratio Lower Upper

50 100

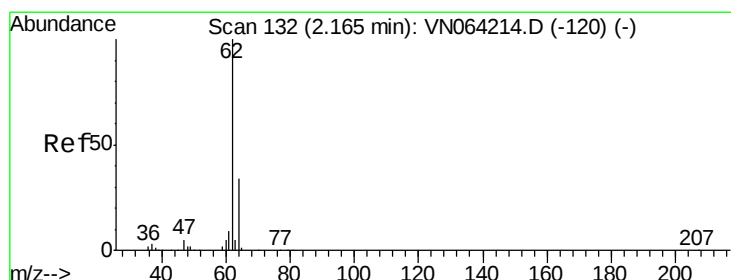
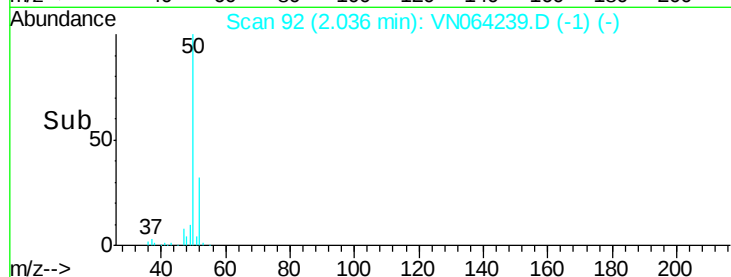
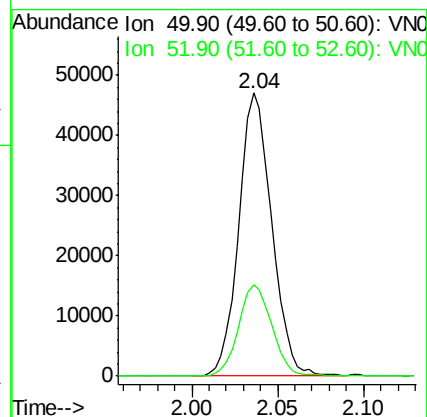
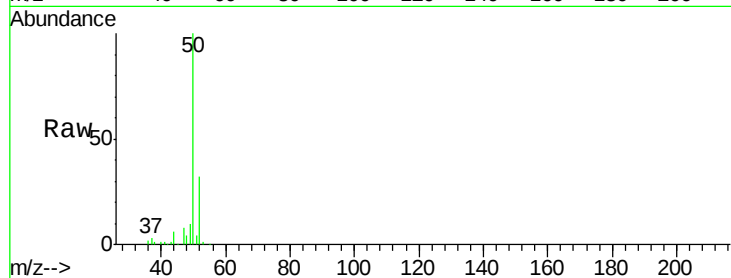
52 32.1 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/23/2020 2:10:35 PM



#4

Vinyl Chloride

Concen: 20.294 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064239.D

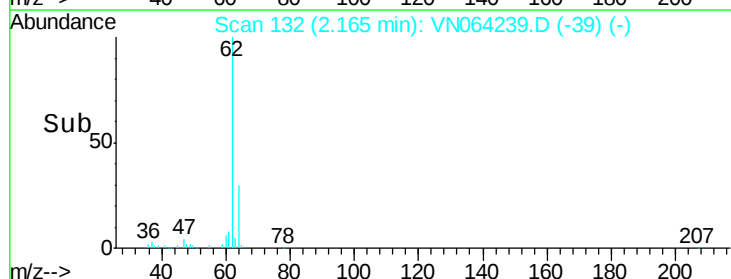
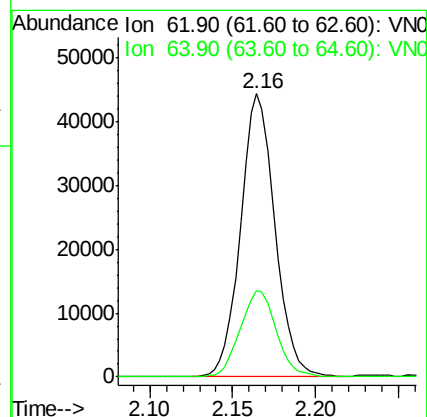
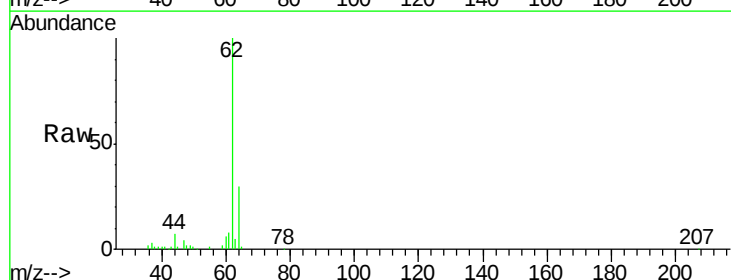
Acq: 22 Oct 2020 1:16

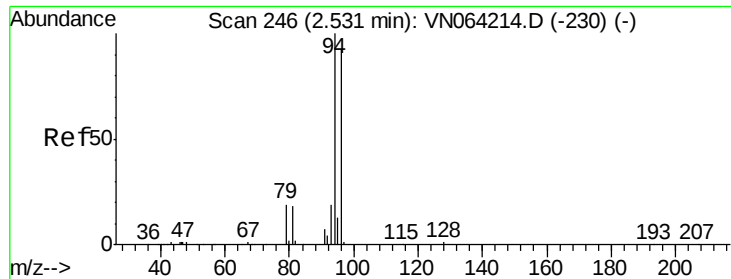
Tgt Ion: 62 Resp: 64033

Ion Ratio Lower Upper

62 100

64 30.3 26.8 40.2





#5

Bromomethane

Concen: 19.348 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion: 94 Resp: 39793

Ion Ratio Lower Upper

94 100

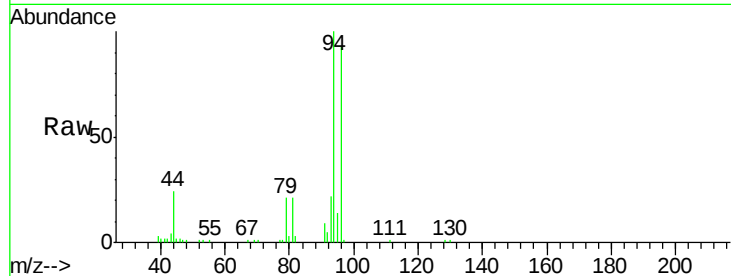
96 92.1 74.2 111.4

Manual Integrations

APPROVED

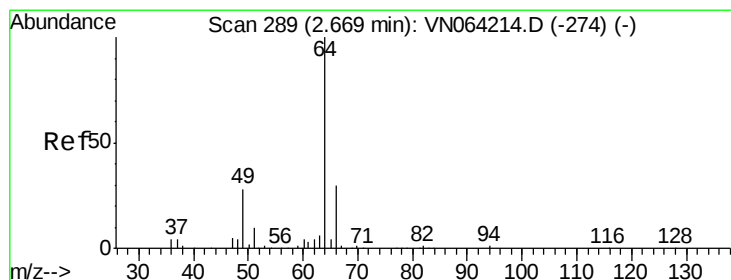
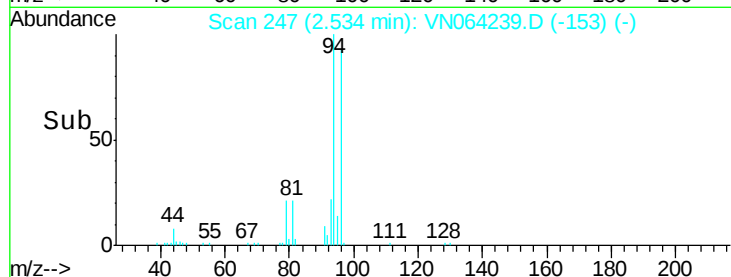
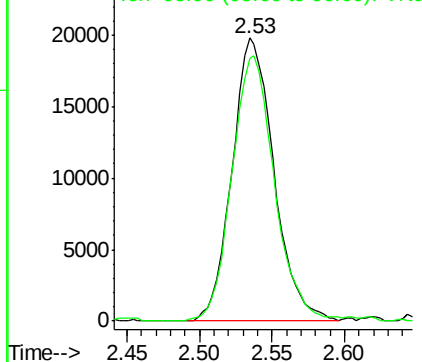
MMDadoda

10/23/2020 2:10:35 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.600 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064239.D

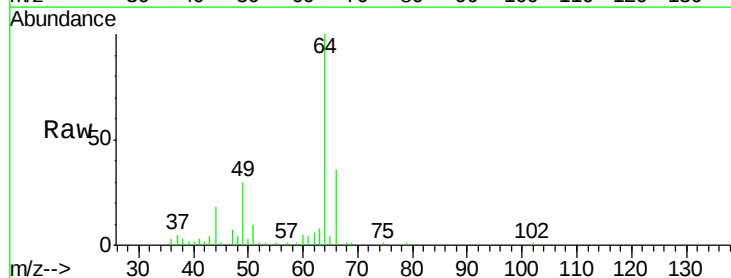
Acq: 22 Oct 2020 1:16

Tgt Ion: 64 Resp: 37649

Ion Ratio Lower Upper

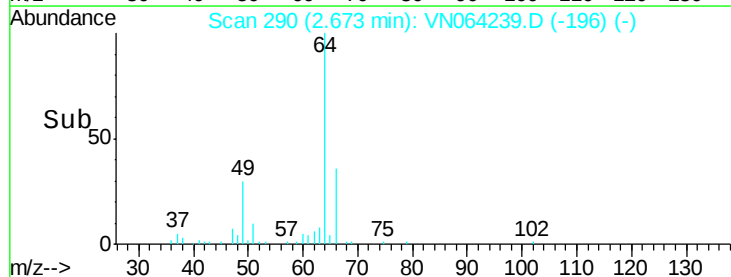
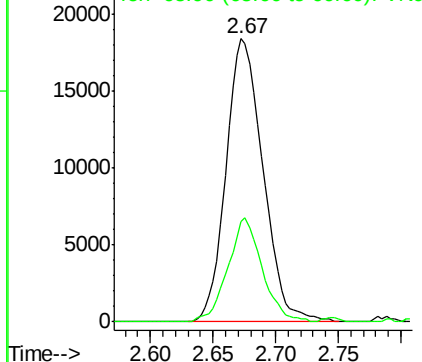
64 100

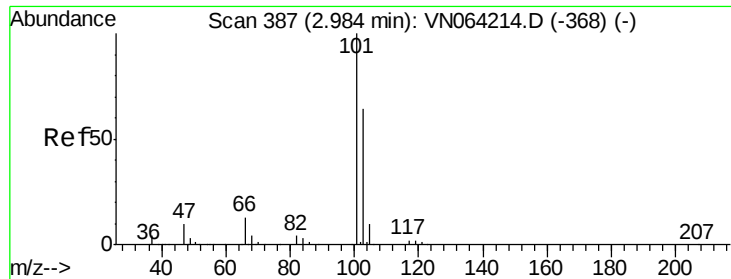
66 35.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

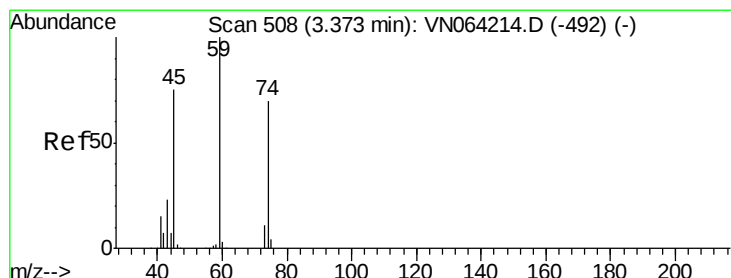
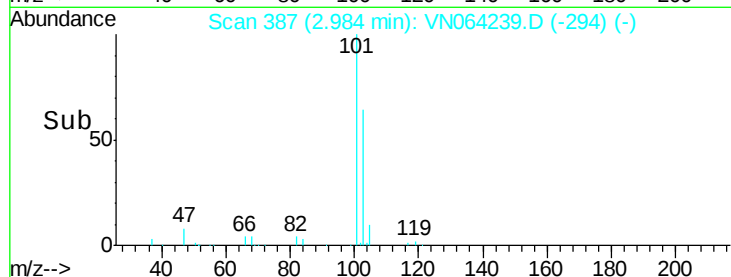
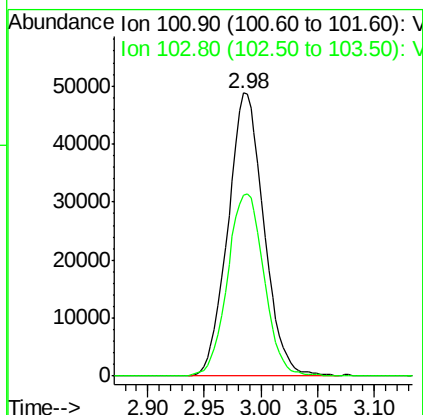
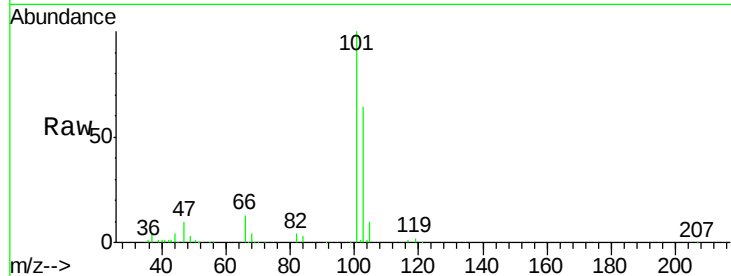
Trichlorofluoromethane
Concen: 20.819 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108026		
103	63.9	51.0	76.6	

Manual Integrations
APPROVED

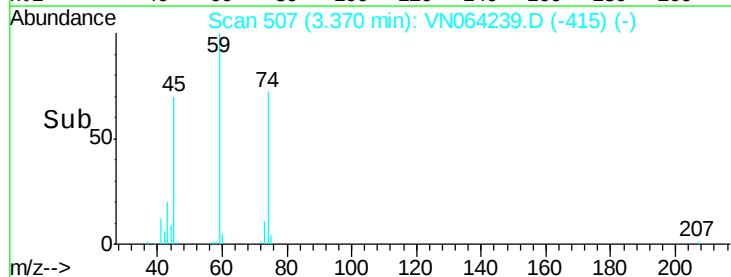
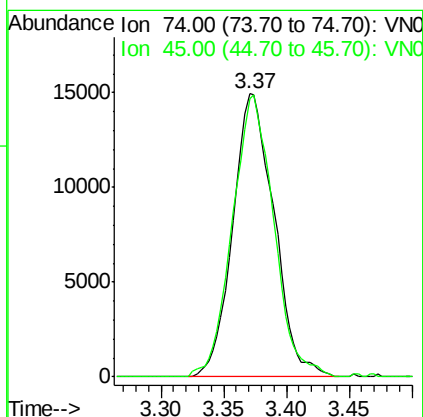
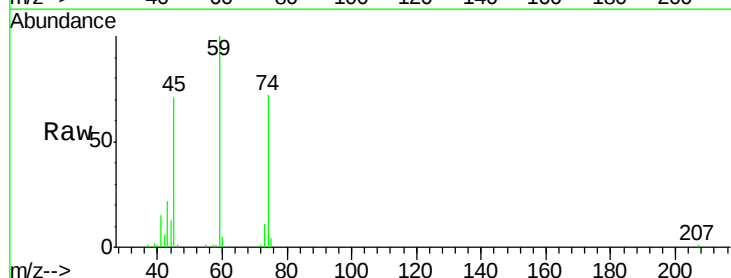
MMDadoda
10/23/2020 2:10:35 PM

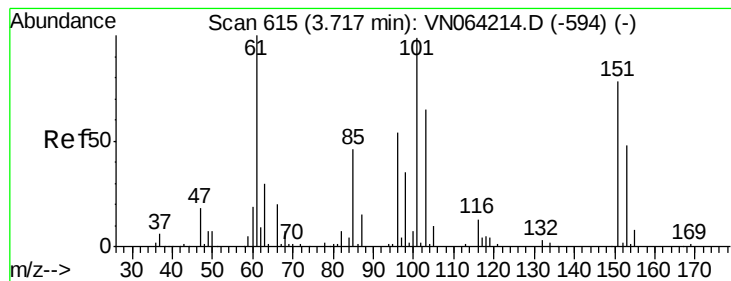


#8

Diethyl Ether
Concen: 19.902 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	34160		
45	99.8	51.3	154.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.374 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

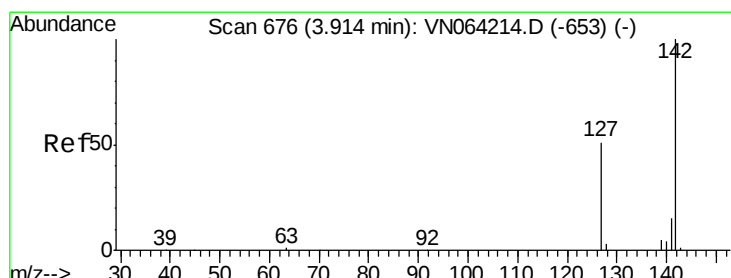
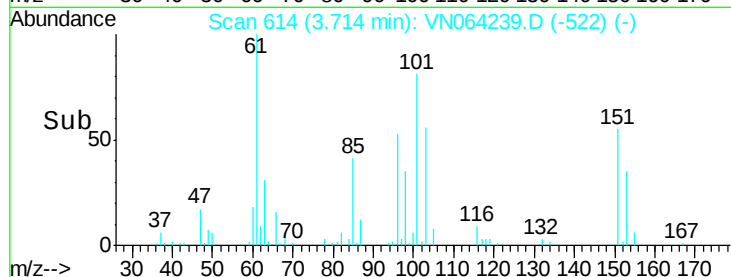
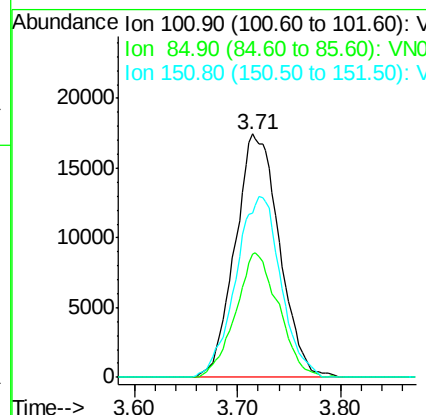
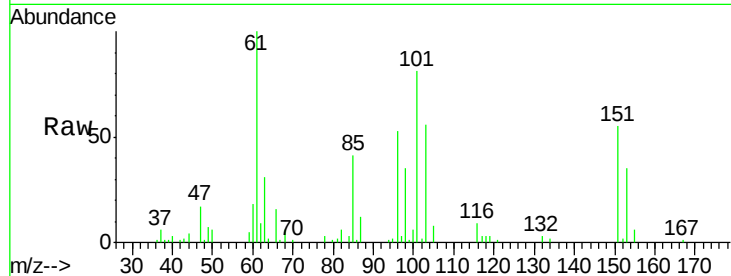
ClientSampleId :

VN1021WBS02

Tot Ion:	101	Resp:	51985
Ion Ratio	Lower	Upper	
101	100		
85	49.6	37.8	56.8
151	75.7	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#10

Methyl Iodide

Concen: 17.747 ug/l

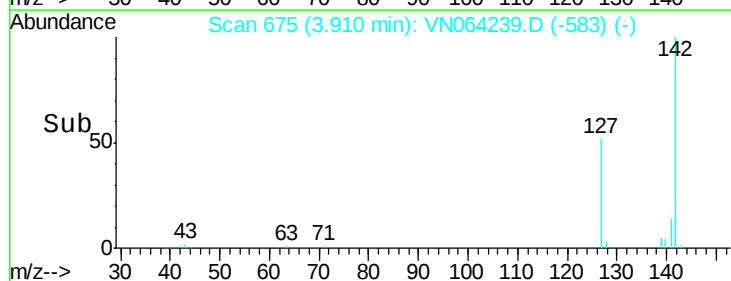
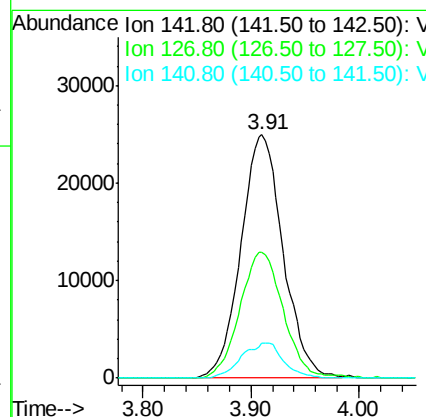
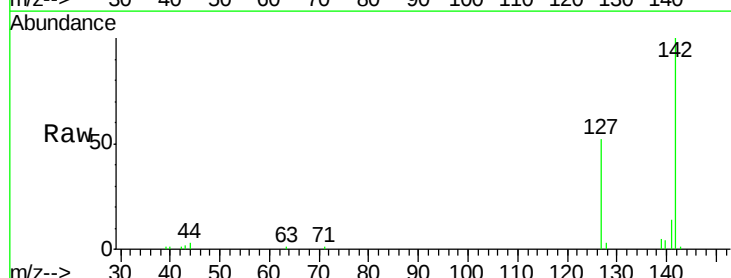
RT: 3.91 min Scan# 675

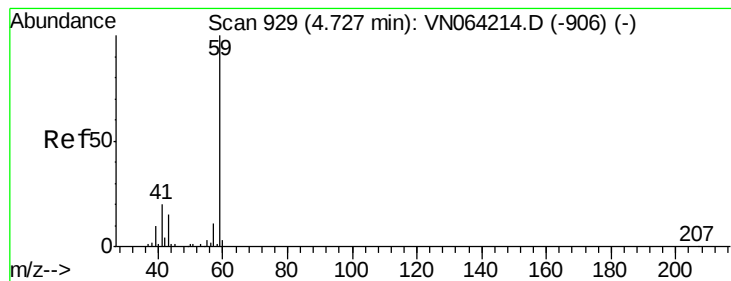
Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion:	142	Resp:	67715
Ion Ratio	Lower	Upper	
142	100		
127	53.3	41.0	61.6
141	14.3	11.3	16.9





#11

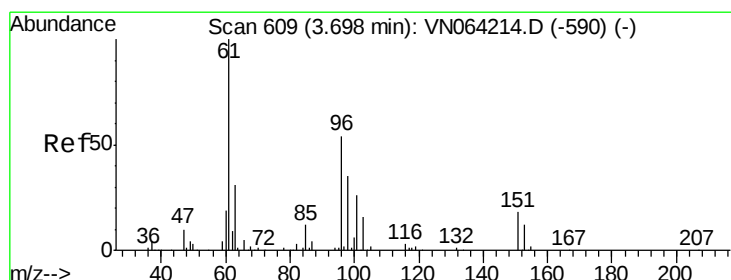
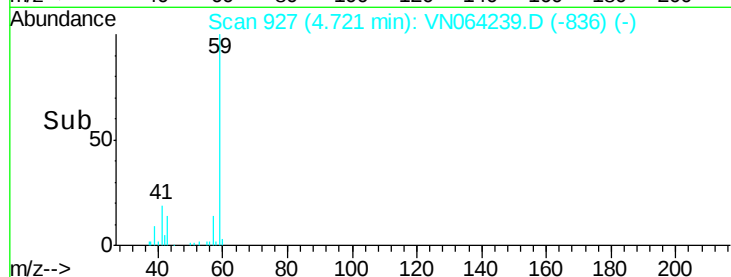
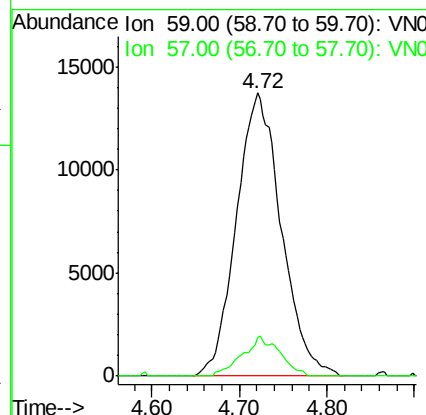
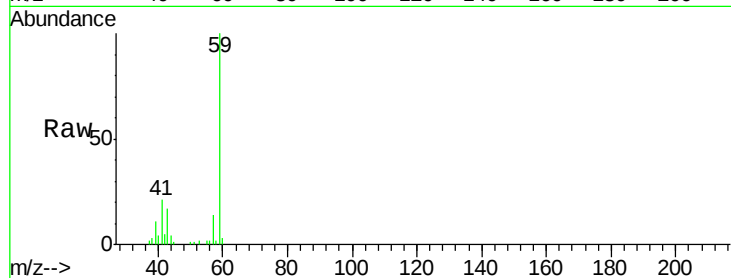
Tert butyl alcohol
 Concen: 89.182 ug/l
 RT: 4.72 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.2	13.8

Manual Integrations
 APPROVED

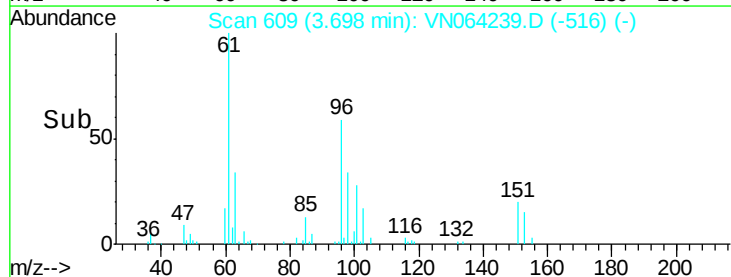
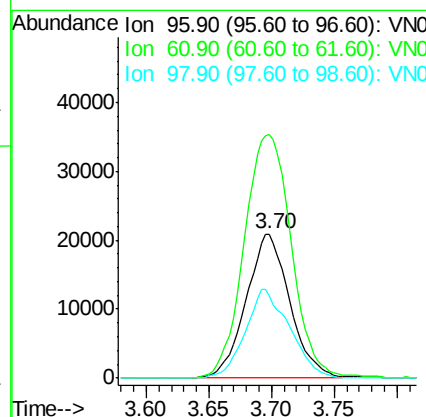
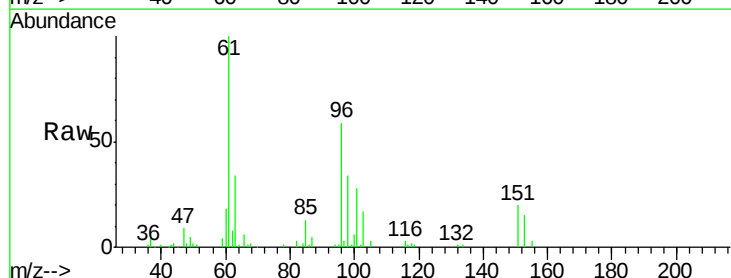
MMDadoda
 10/23/2020 2:10:35 PM

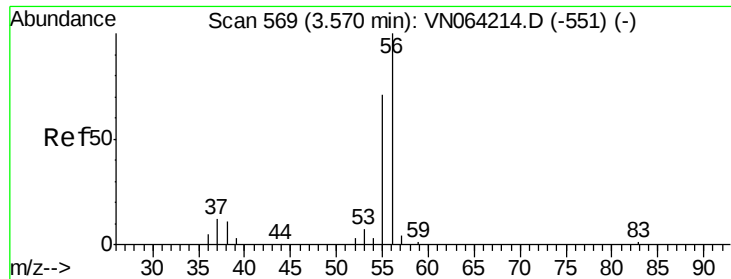


#12

1,1-Dichloroethene
 Concen: 19.619 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	147.0	220.4
98	56.8	51.7	77.5





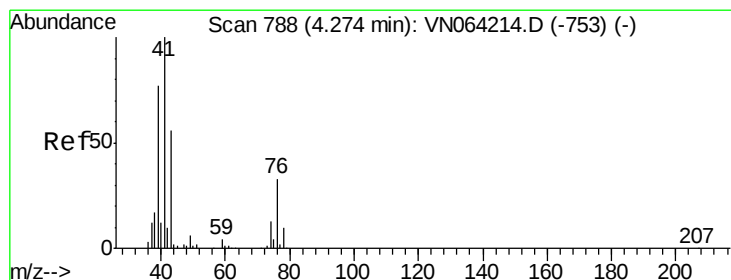
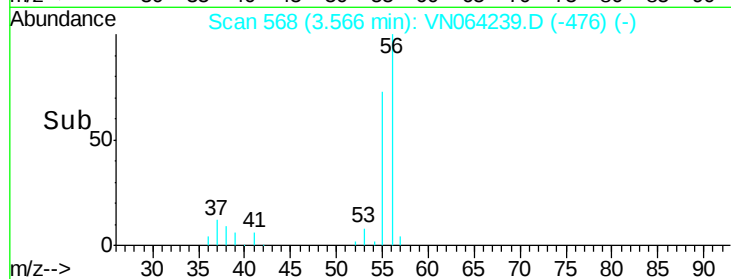
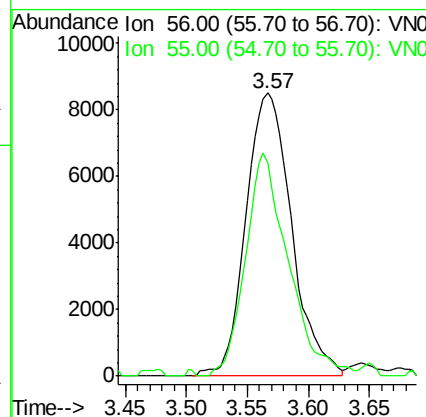
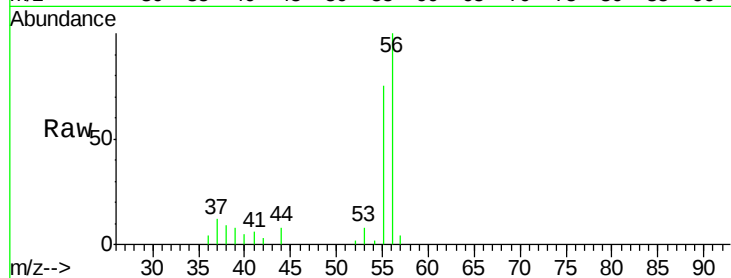
#13
Acrolein
Concen: 64.105 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.2	56.1	84.1

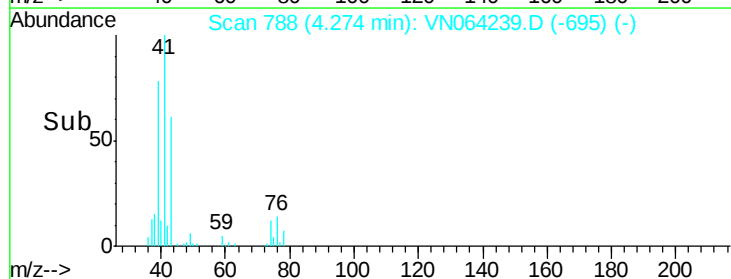
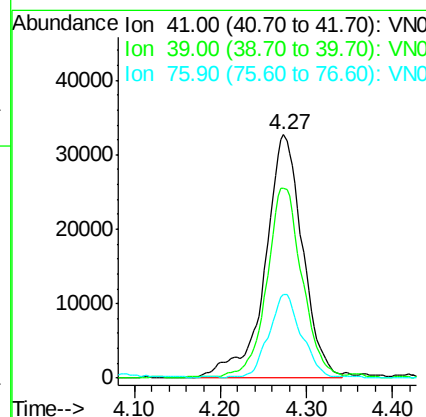
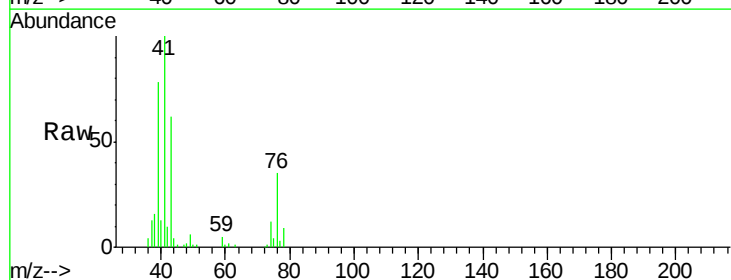
Manual Integrations
APPROVED

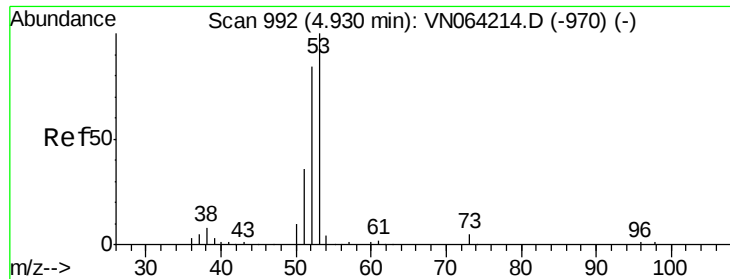
MMDadoda
10/23/2020 2:10:35 PM



#14
Allyl chloride
Concen: 19.233 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.5	58.6	88.0
76	30.3	24.5	36.7





#15

Acrylonitrile

Concen: 92.514 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

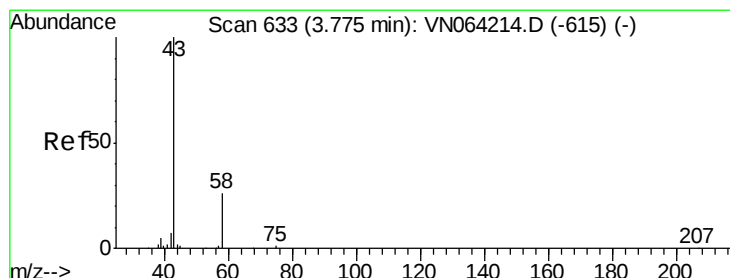
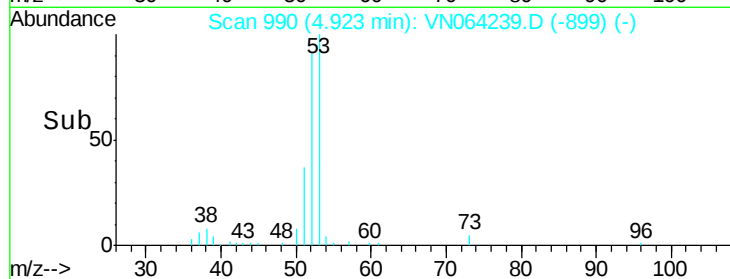
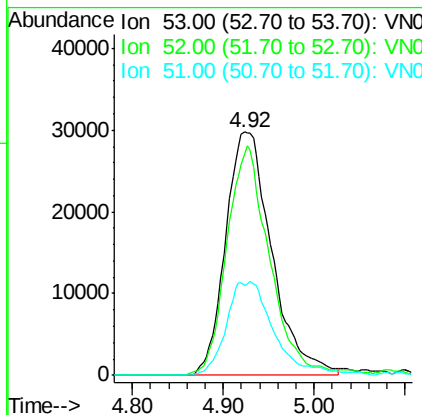
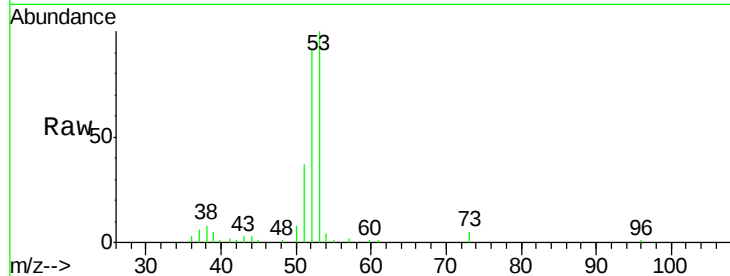
ClientSampleId :

VN1021WBS02

Tot Ion:	53	Resp:	104721
Ion Ratio	Lower	Upper	
53	100		
52	86.4	66.8	100.2
51	16.0	30.7	46.1#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#16

Acetone

Concen: 94.459 ug/l

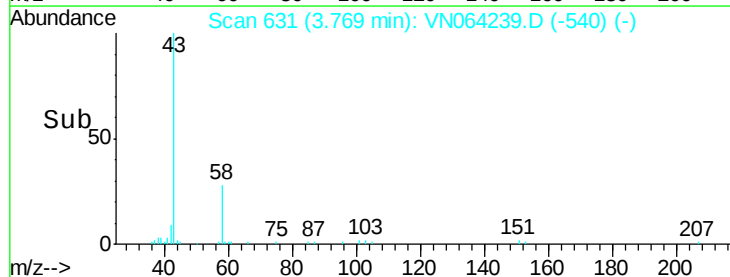
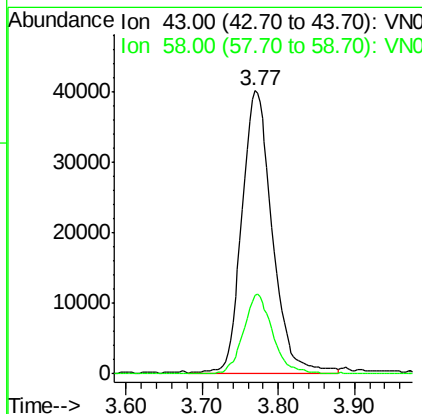
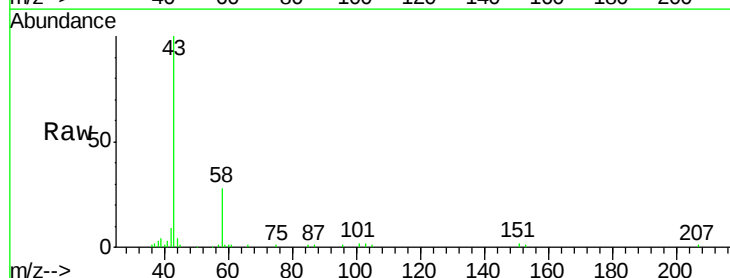
RT: 3.77 min Scan# 631

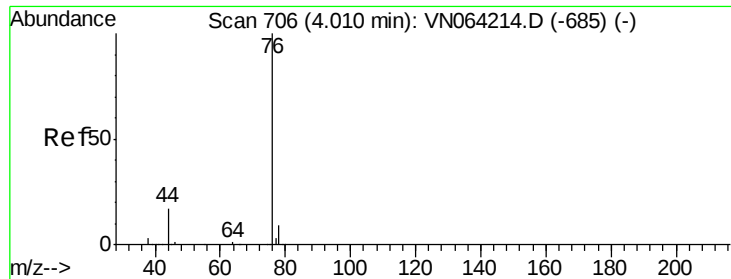
Delta R.T. -0.01 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion:	43	Resp:	110524
Ion Ratio	Lower	Upper	
43	100		
58	27.7	21.0	31.4





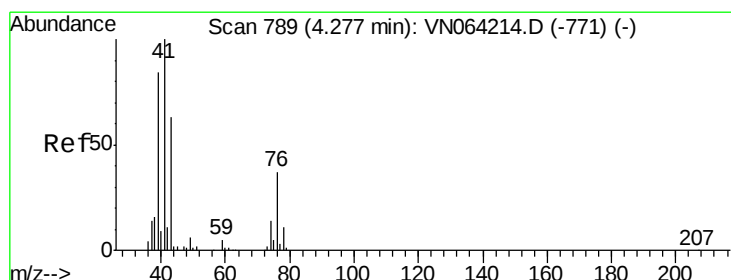
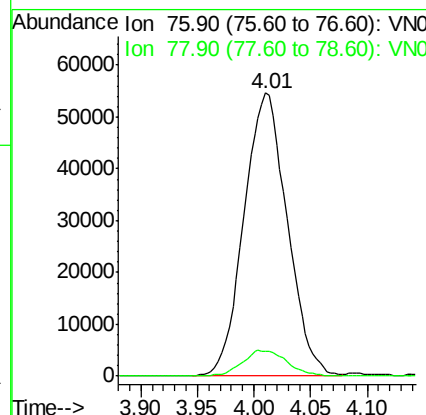
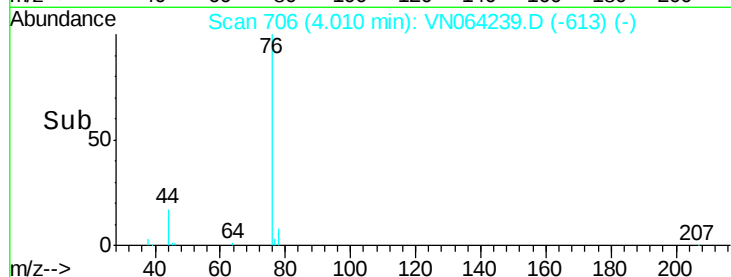
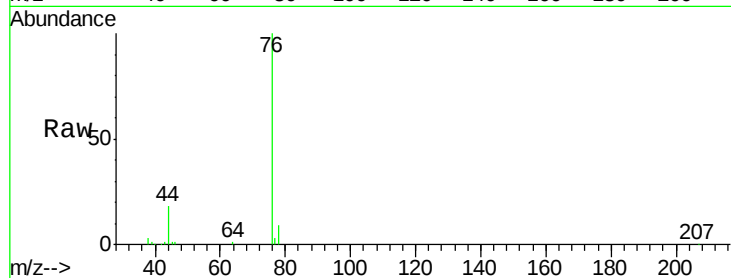
#17
Carbon Disulfide
Concen: 19.733 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion: 76 Resp: 145269
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

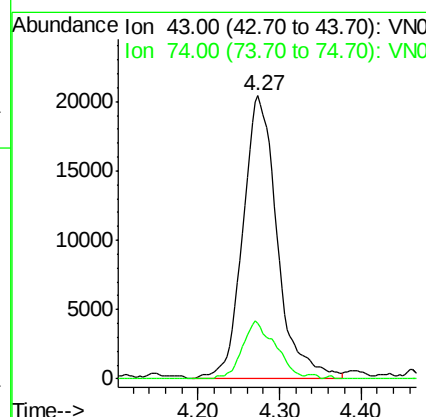
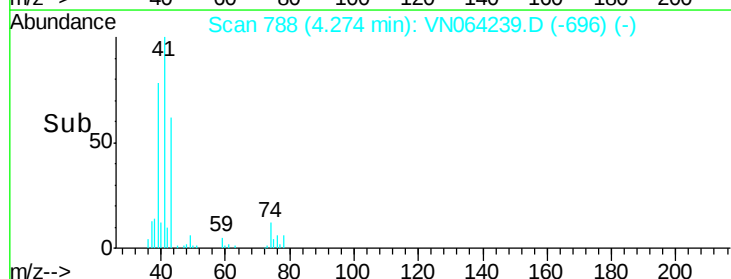
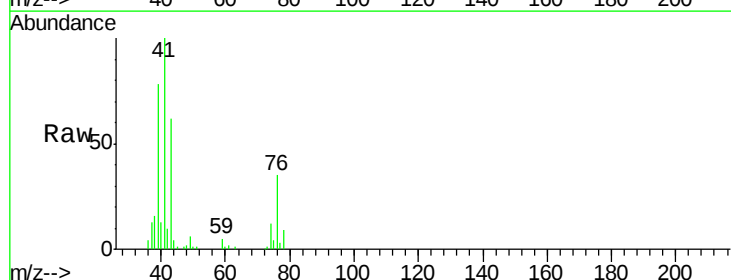
Manual Integrations
APPROVED

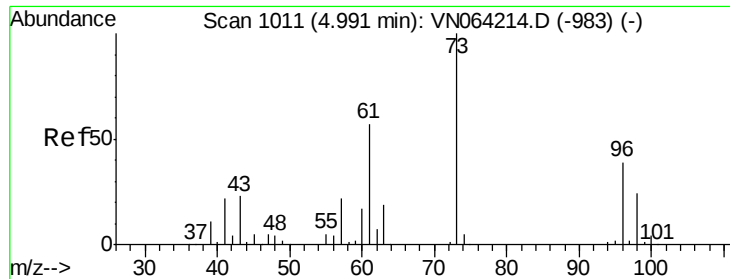
MMDadoda
10/23/2020 2:10:35 PM



#18
Methyl Acetate
Concen: 19.945 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion: 43 Resp: 59467
Ion Ratio Lower Upper
43 100
74 19.7 17.9 26.9





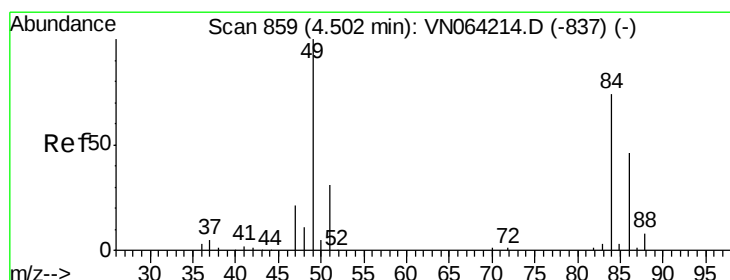
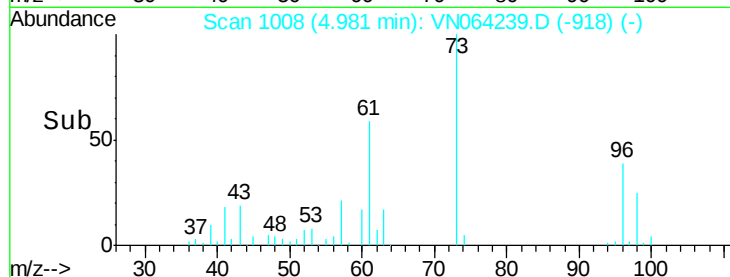
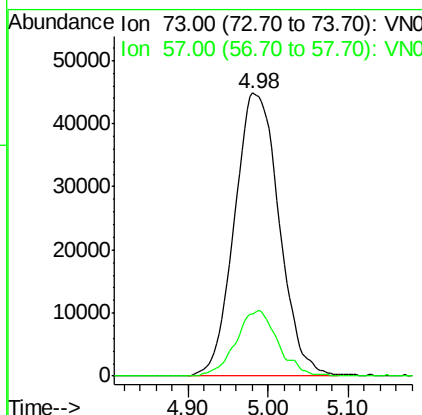
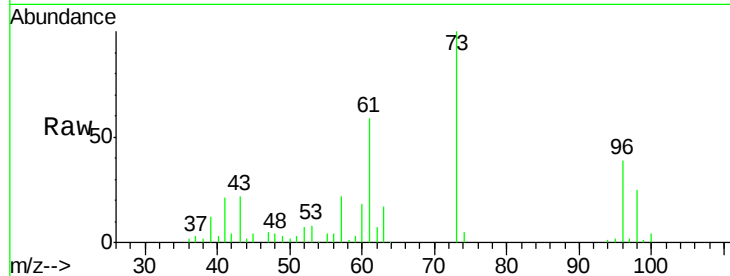
#19
Methyl tert-butyl Ether
Concen: 19.215 ug/l
RT: 4.98 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion: 73 Resp: 170485
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

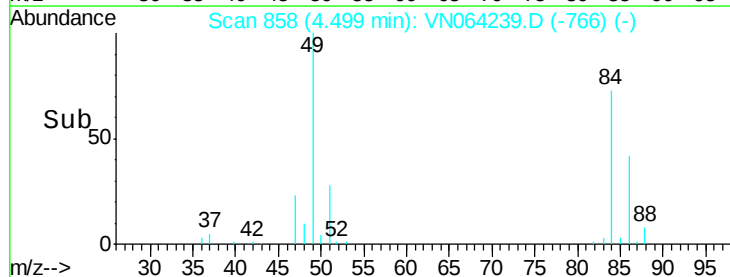
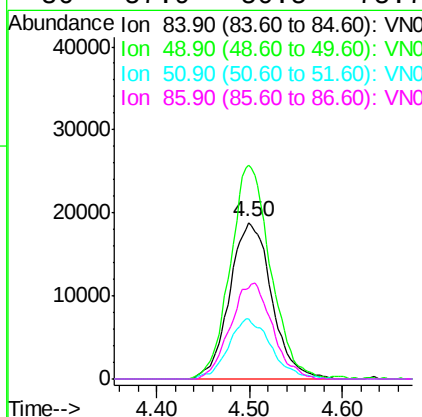
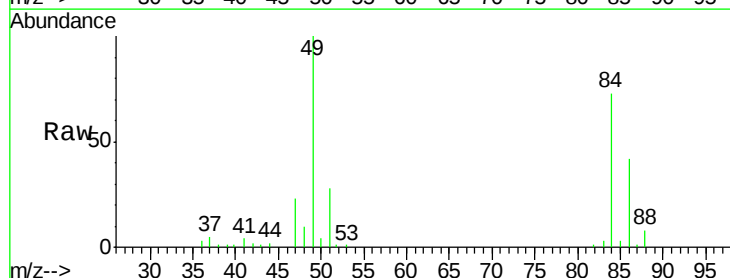
Manual Integrations
APPROVED

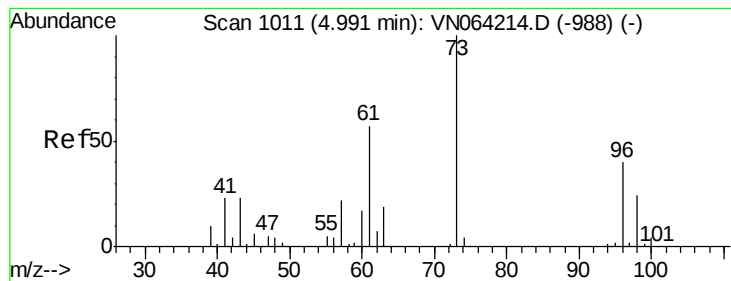
MMDadoda
10/23/2020 2:10:35 PM



#20
Methylene Chloride
Concen: 18.948 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion: 84 Resp: 59120
Ion Ratio Lower Upper
84 100
49 136.4 108.5 162.7
51 38.5 33.8 50.8
86 57.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.642 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion: 96 Resp: 55898

Ion Ratio Lower Upper

96 100

61 148.9 115.8 173.6

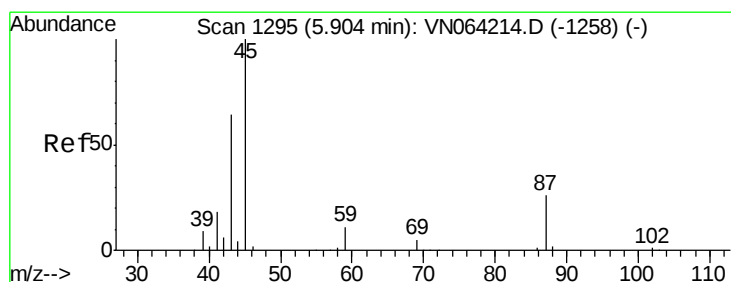
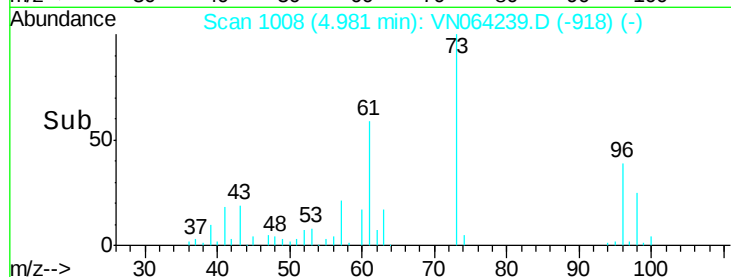
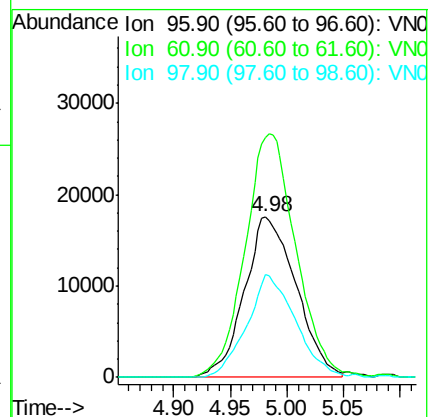
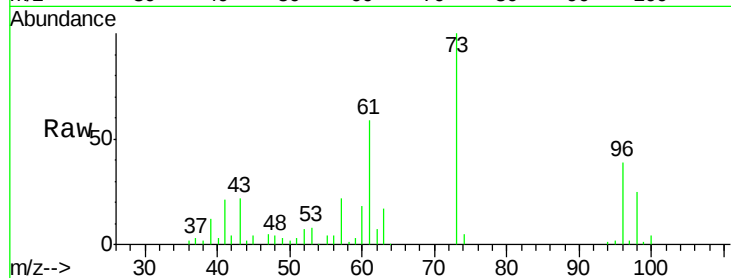
98 64.0 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 2:10:35 PM



#22

Diisopropyl ether

Concen: 18.916 ug/l

RT: 5.89 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion: 45 Resp: 181635

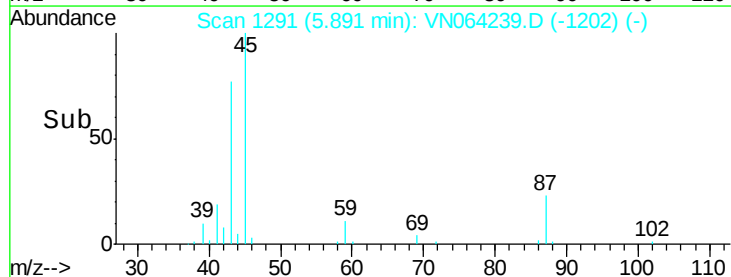
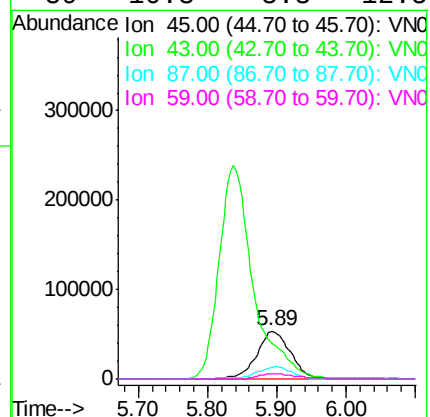
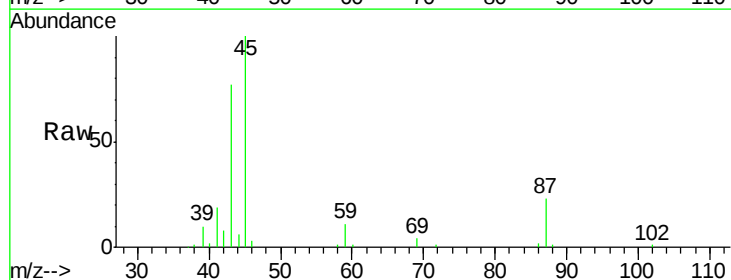
Ion Ratio Lower Upper

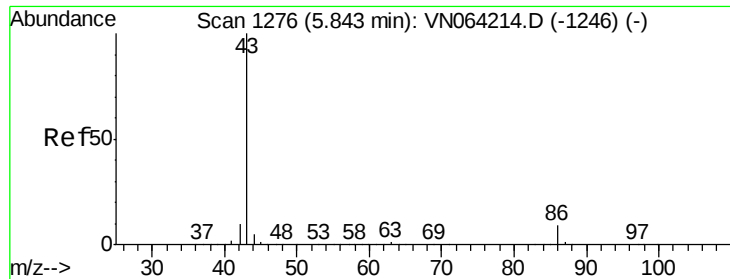
45 100

43 74.2 52.2 78.4

87 23.4 21.4 32.0

59 10.3 8.3 12.5





#23

Vinyl Acetate

Concen: 95.934 ug/l

RT: 5.84 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleID :

VN1021WBS02

Tot Ion: 43 Resp: 821509

Ion Ratio Lower Upper

43 100

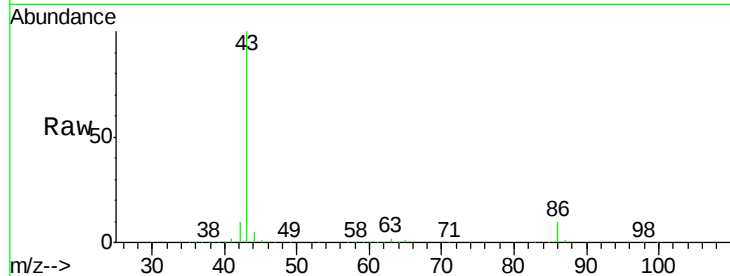
86 9.5 7.4 11.0

Manual Integrations

APPROVED

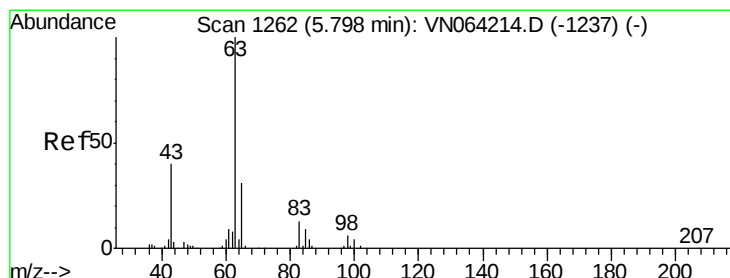
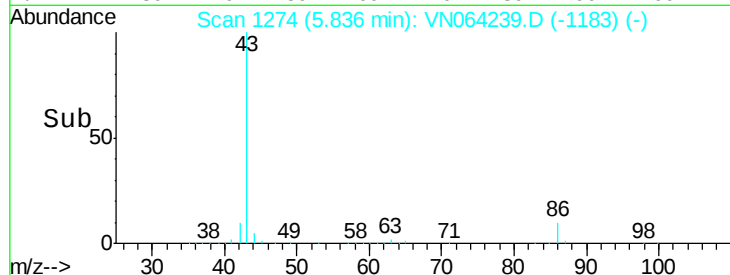
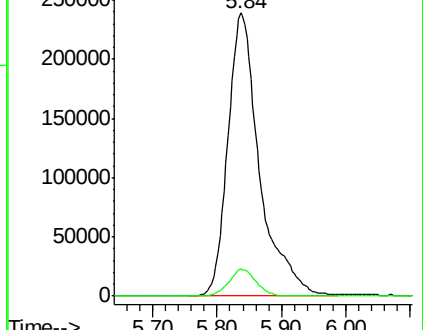
MMDadoda

10/23/2020 2:10:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064239.D (-1183) (-)

Ion 86.00 (85.70 to 86.70): VN064239.D (-1183) (-)



#24

1,1-Dichloroethane

Concen: 19.994 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

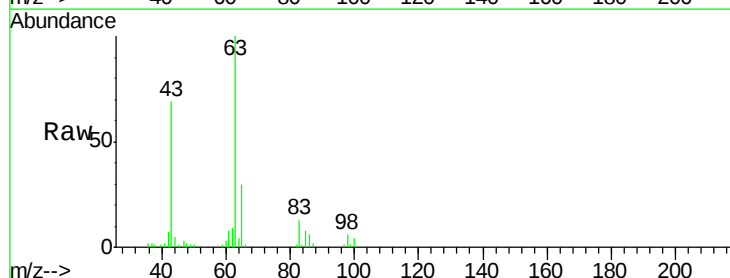
Tgt Ion: 63 Resp: 111217

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

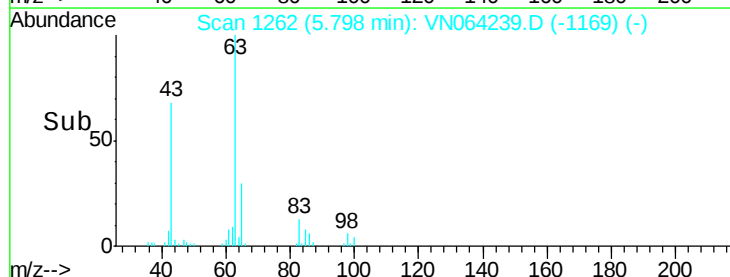
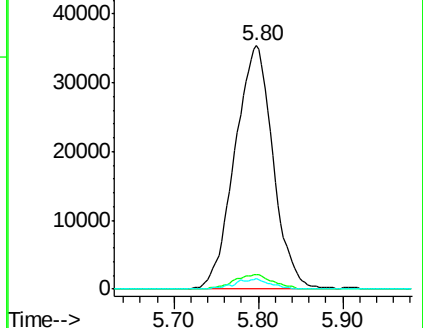
100 4.2 2.0 6.0

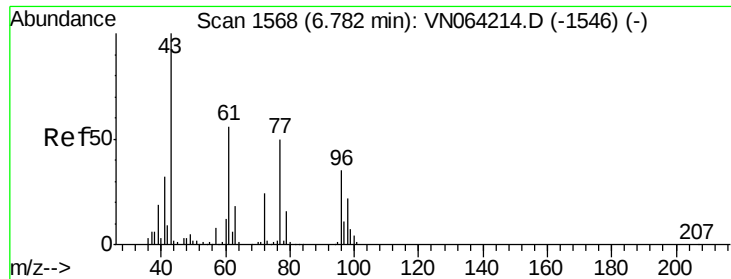


Abundance Ion 62.90 (62.60 to 63.60): VN064239.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064239.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064239.D (-1169) (-)





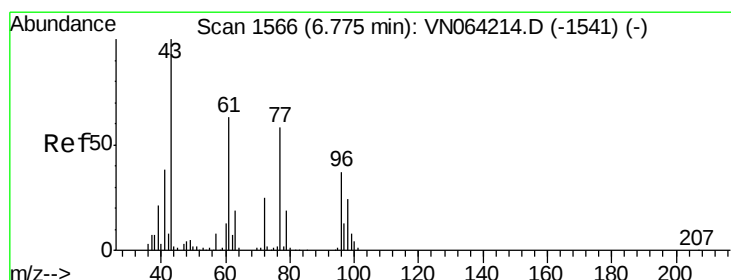
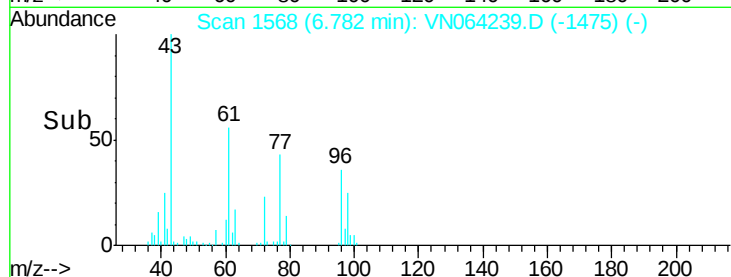
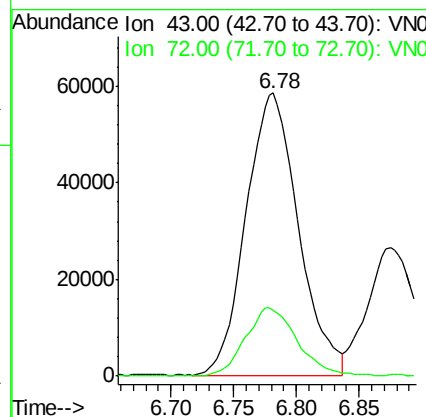
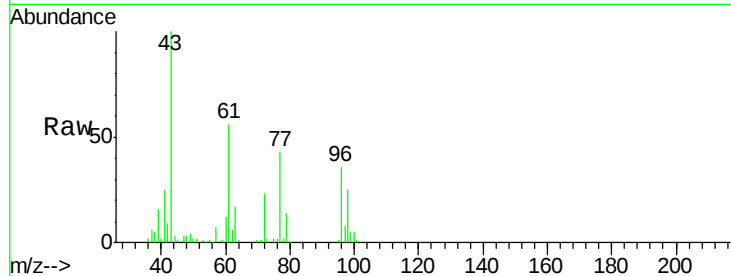
#25
2-Butanone
Concen: 91.147 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion: 43 Resp: 169442
Ion Ratio Lower Upper
43 100
72 23.4 19.4 29.0

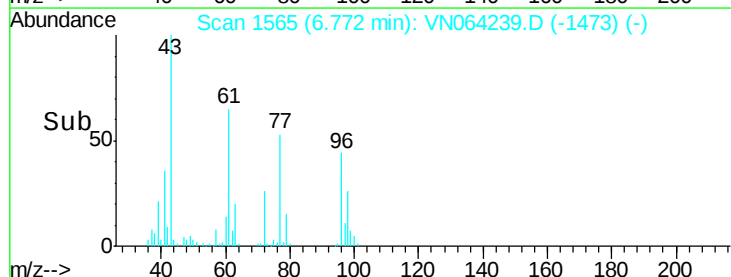
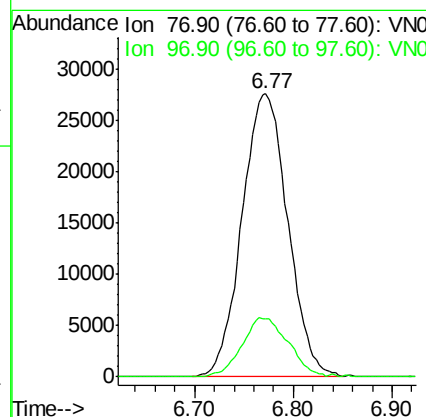
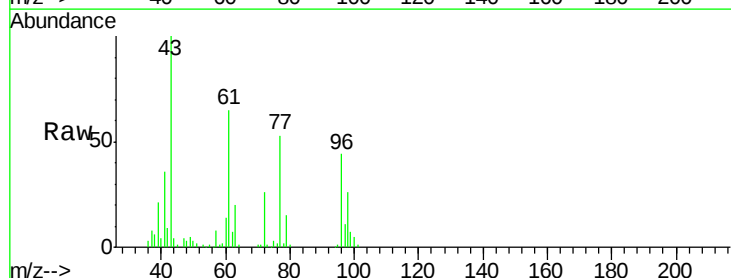
Manual Integrations
APPROVED

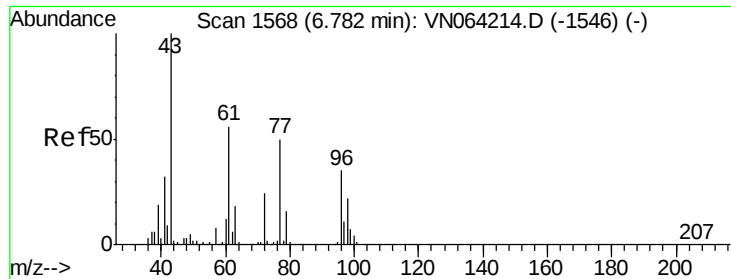
MMDadoda
10/23/2020 2:10:35 PM



#26
2,2-Dichloropropane
Concen: 15.993 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion: 77 Resp: 88565
Ion Ratio Lower Upper
77 100
97 21.2 10.4 31.4





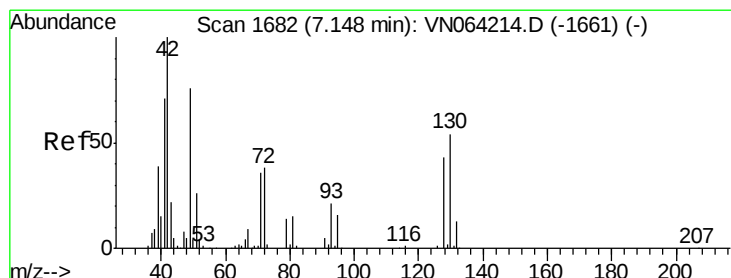
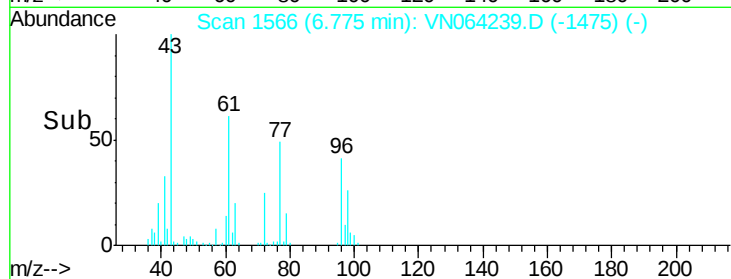
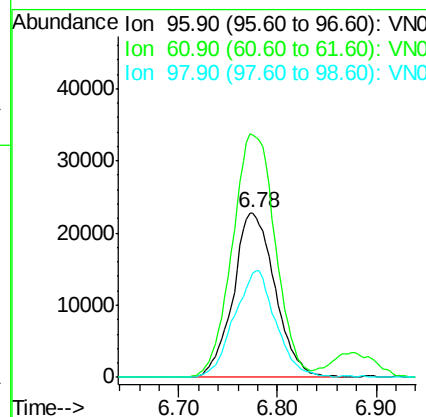
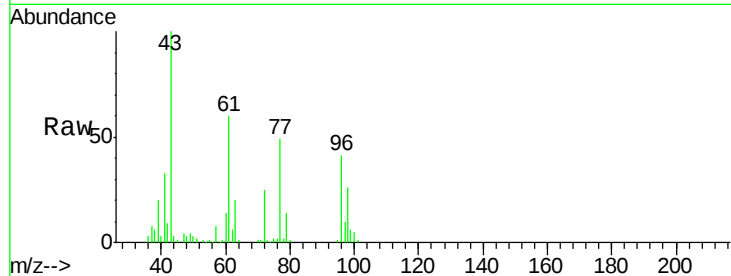
#27
 cis-1,2-Dichloroethene
 Concen: 20.187 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66905		
61	152.4	0.0	330.0	
98	64.7	0.0	130.6	

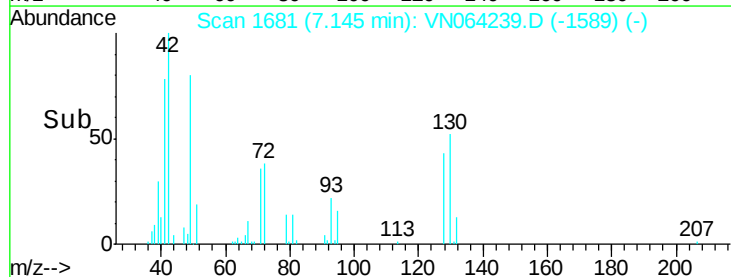
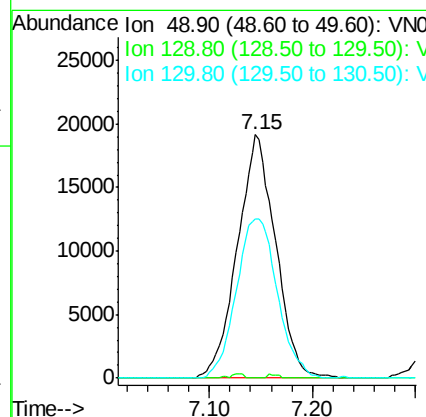
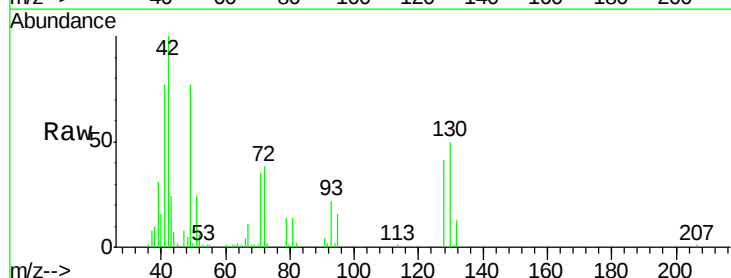
Manual Integrations
 APPROVED

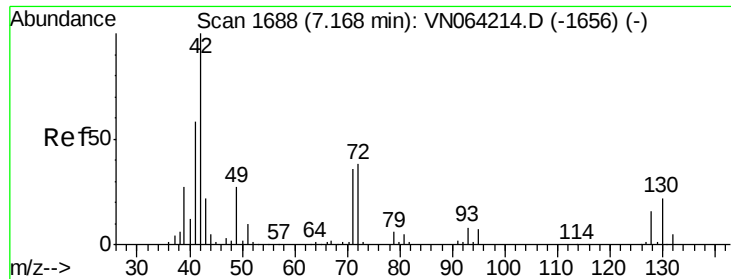
MMDadoda
 10/23/2020 2:10:35 PM



#28
 Bromochloromethane
 Concen: 18.628 ug/l
 RT: 7.15 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49225		
129	0.5	0.0	2.8	
130	70.4	58.8	88.2	





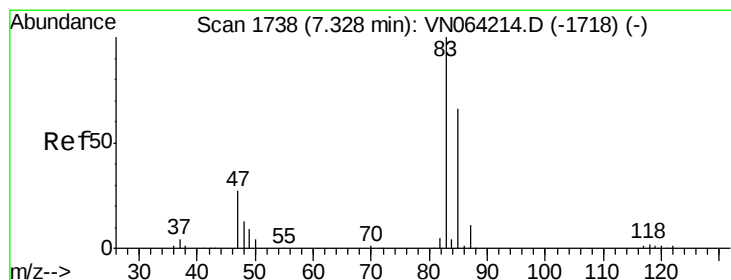
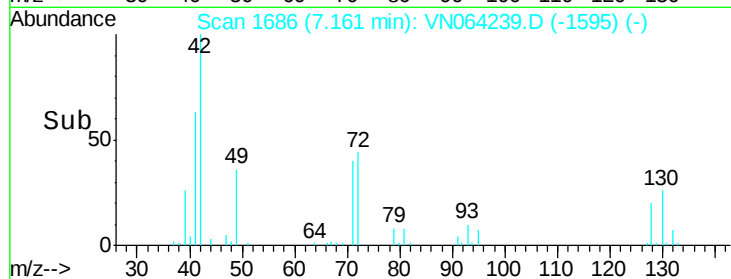
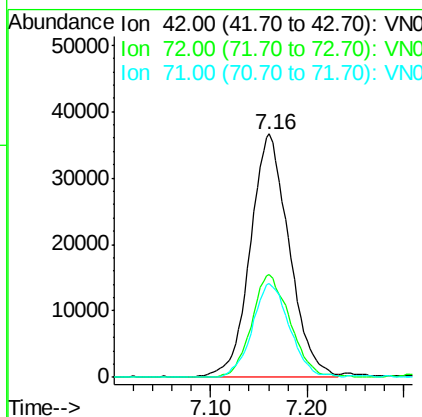
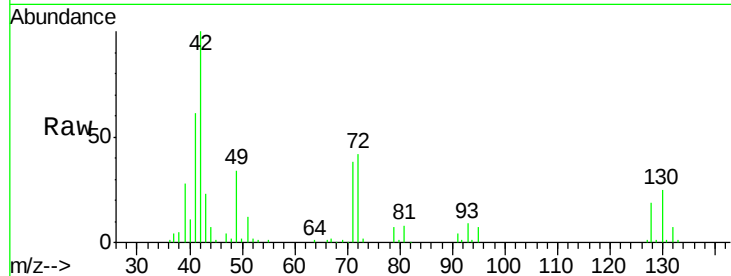
#29
Tetrahydrofuran
Concen: 92.038 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	30.8	46.2
71	36.9	29.0	43.6

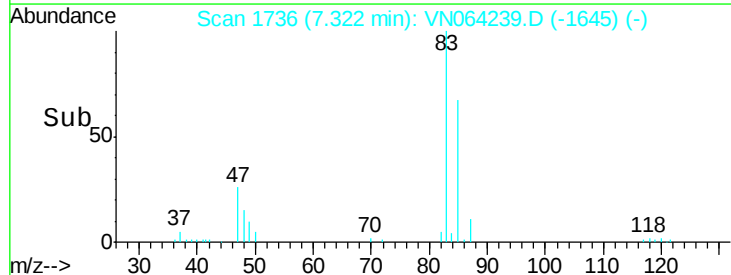
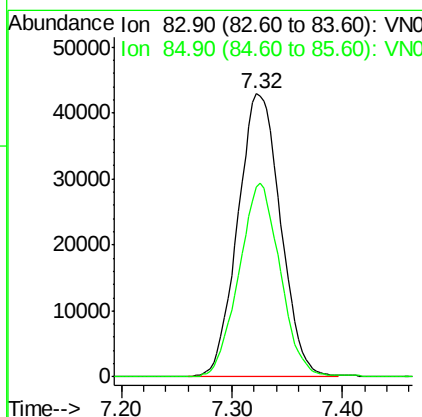
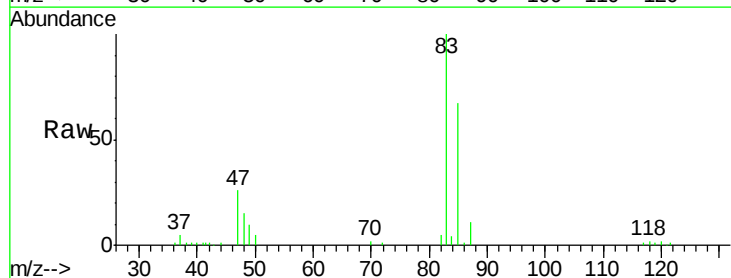
Manual Integrations
APPROVED

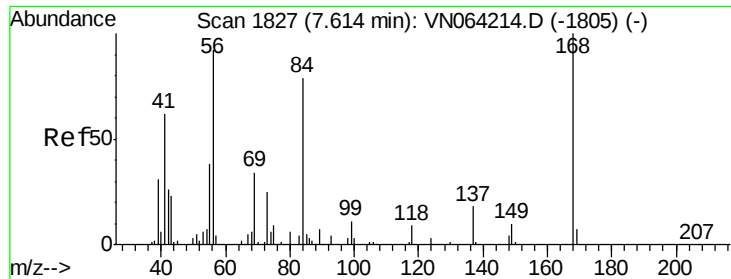
MMDadoda
10/23/2020 2:10:35 PM



#30
Chloroform
Concen: 19.454 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.5	78.7





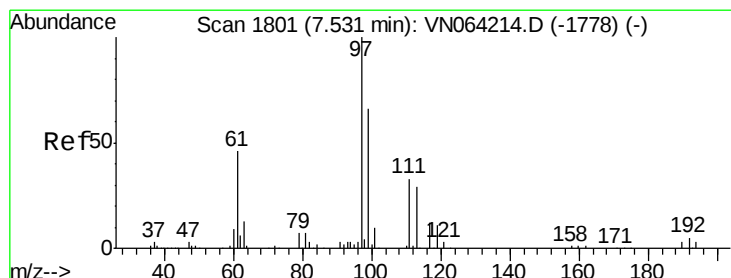
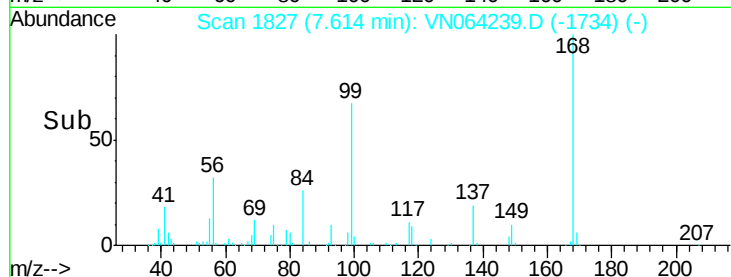
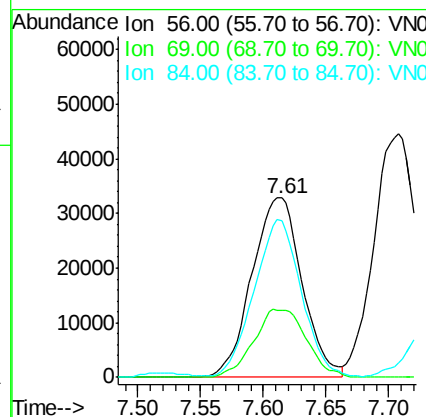
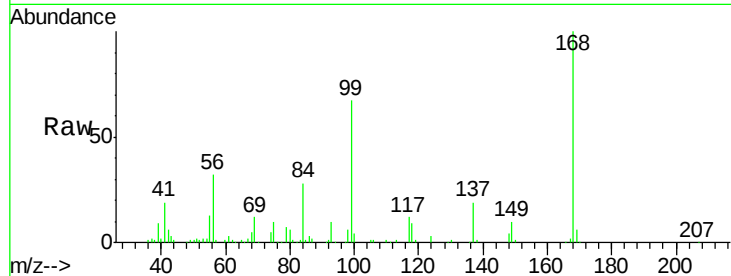
#31
Cyclohexane
Concen: 18.837 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	29.8	44.6
84	86.2	68.1	102.1

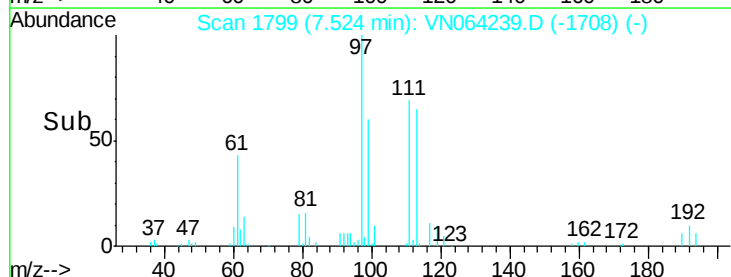
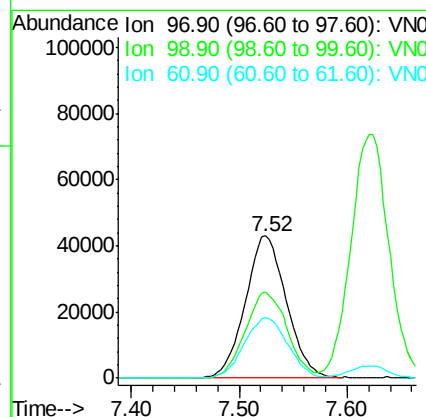
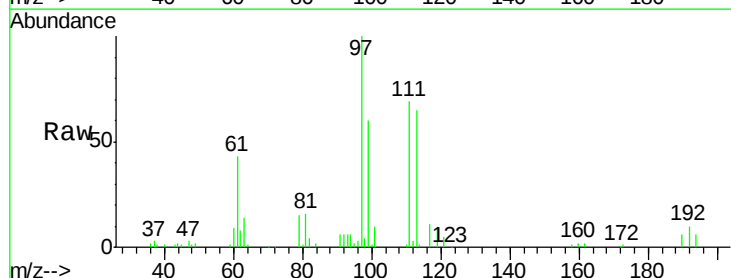
Manual Integrations
APPROVED

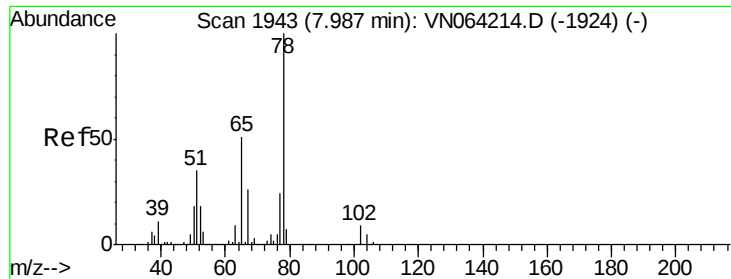
MMDadoda
10/23/2020 2:10:35 PM



#32
1,1,1-Trichloroethane
Concen: 20.475 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.2	76.8
61	44.8	36.3	54.5





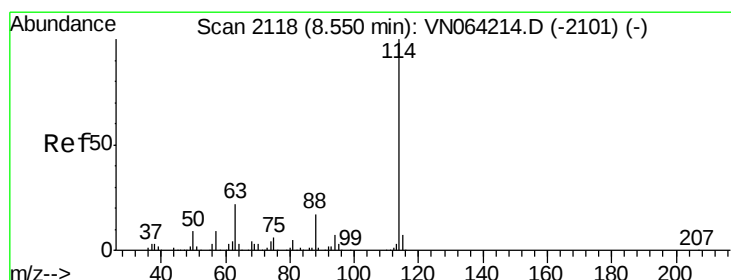
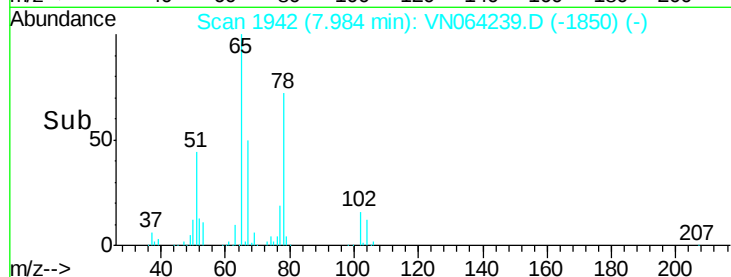
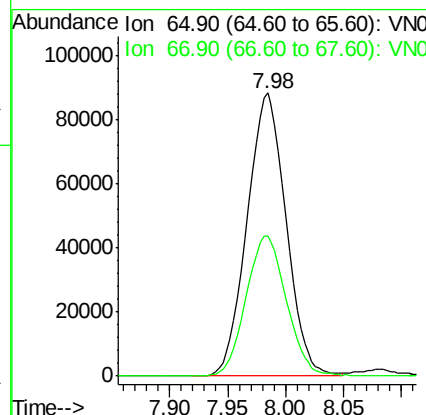
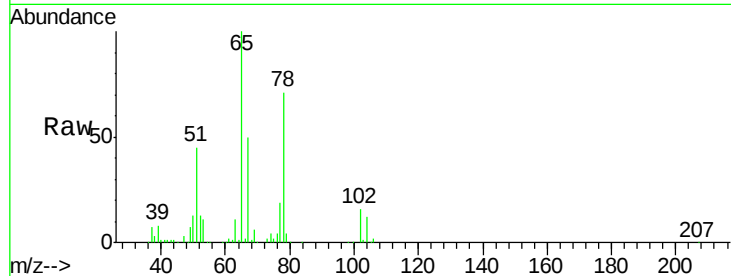
#33
 1,2-Dichloroethane-d4
 Concen: 50.539 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1021WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	100.2

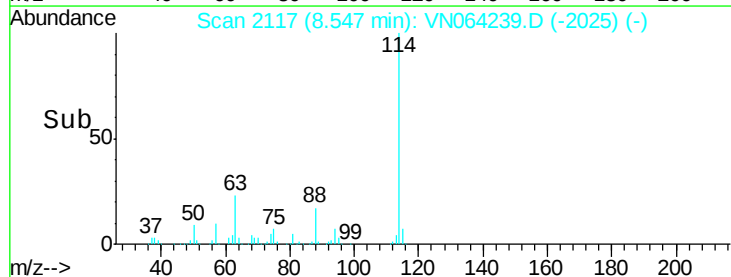
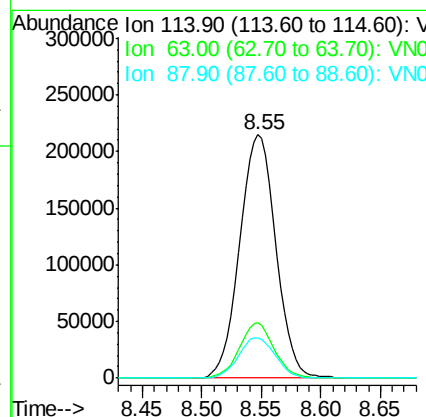
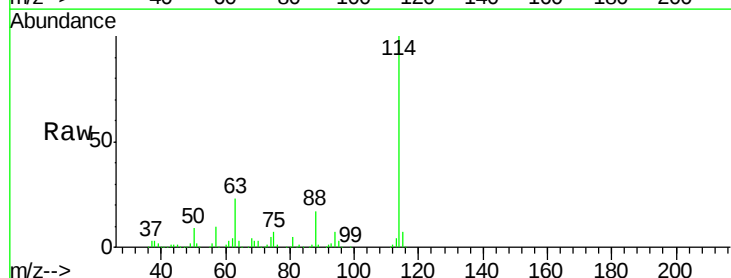
Manual Integrations
 APPROVED

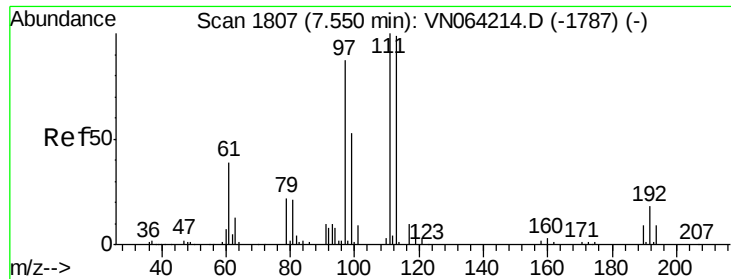
MMDadoda
 10/23/2020 2:10:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2





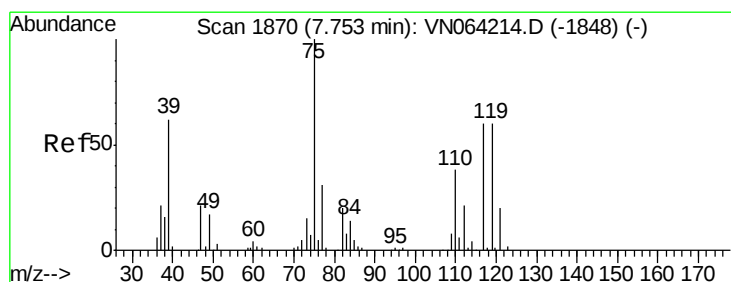
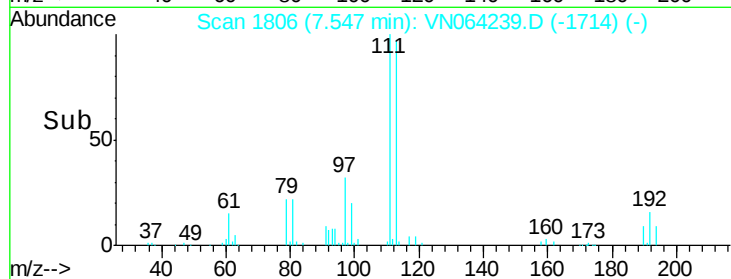
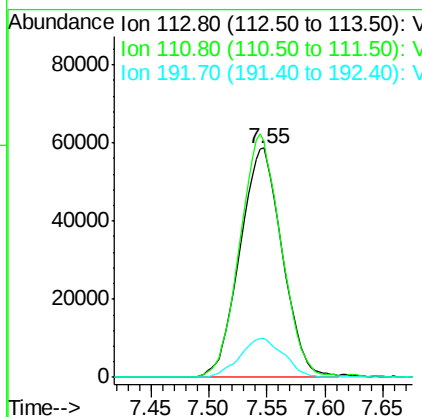
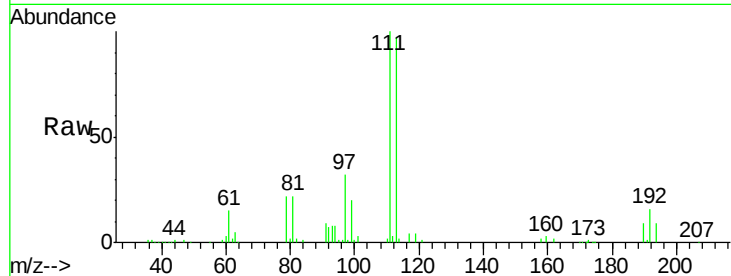
#35
Dibromofluoromethane
Concen: 49.507 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148890		
111	103.4	84.2	126.2	
192	17.7	15.2	22.8	

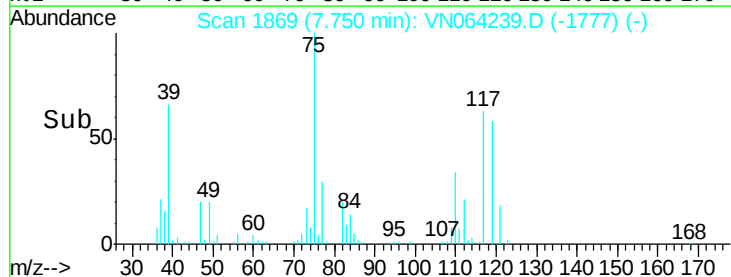
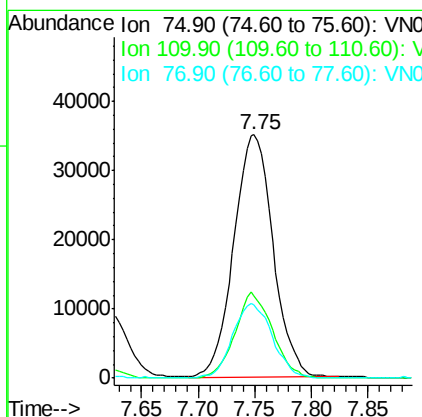
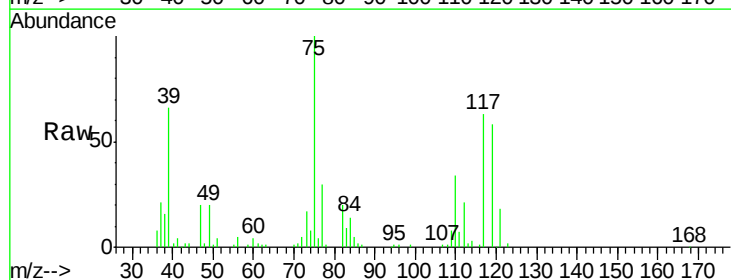
Manual Integrations
APPROVED

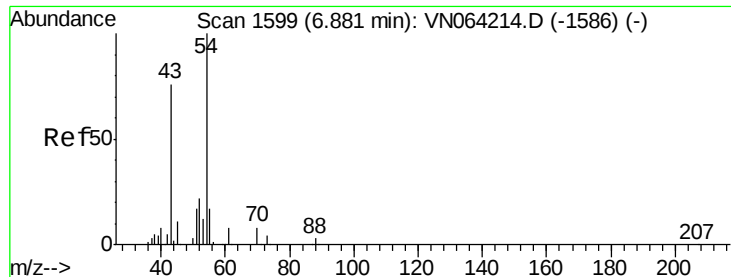
MMDadoda
10/23/2020 2:10:35 PM



#36
1,1-Dichloropropene
Concen: 18.847 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84996		
110	33.6	17.2	51.6	
77	31.0	24.9	37.3	





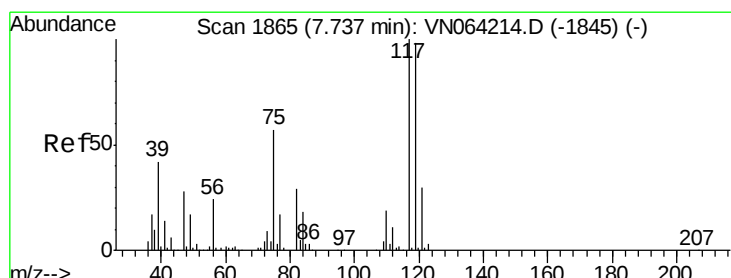
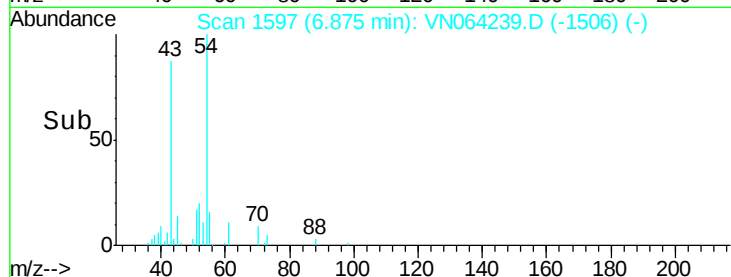
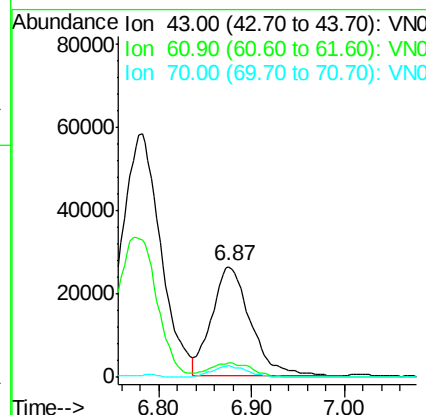
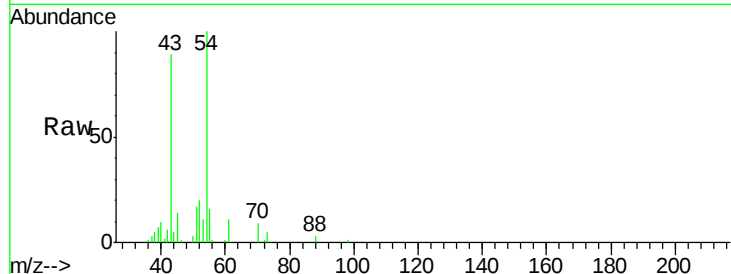
#37
Ethyl Acetate
Concen: 18.770 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.0	15.0
70	9.6	7.5	11.3

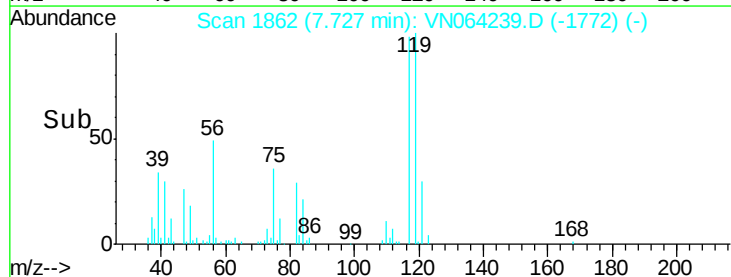
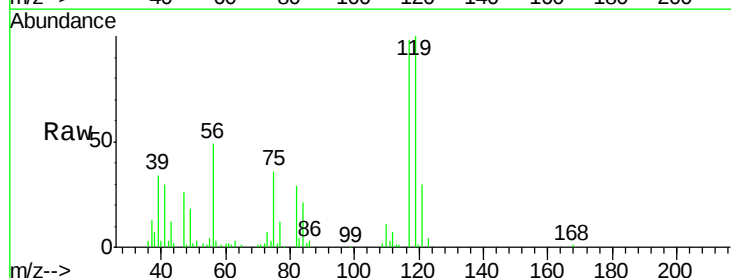
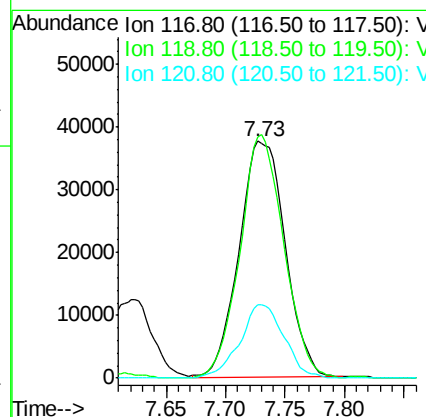
Manual Integrations
APPROVED

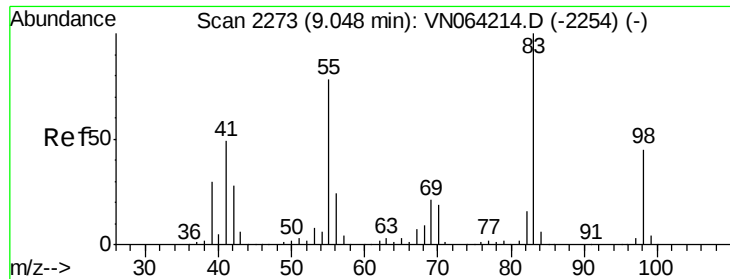
MMDadoda
10/23/2020 2:10:35 PM



#38
Carbon Tetrachloride
Concen: 19.721 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.1	78.5	117.7
121	31.1	24.3	36.5





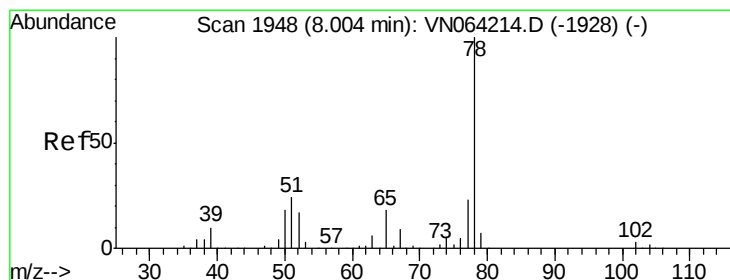
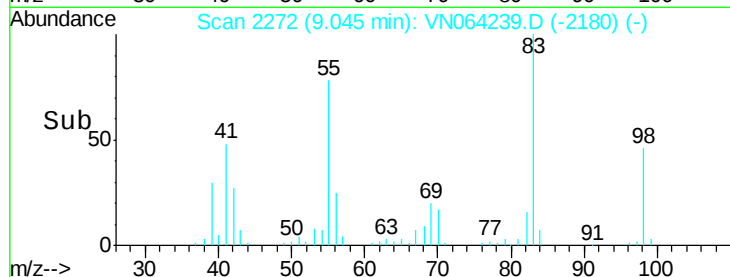
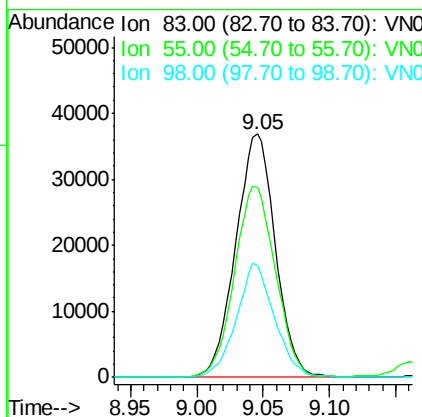
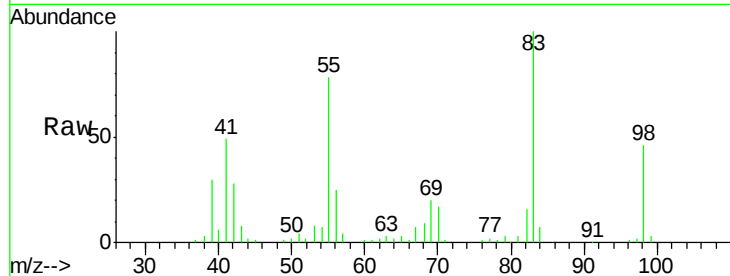
#39
Methvlcvclohexane
Concen: 18.600 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	62.2	93.2
98	46.1	35.9	53.9

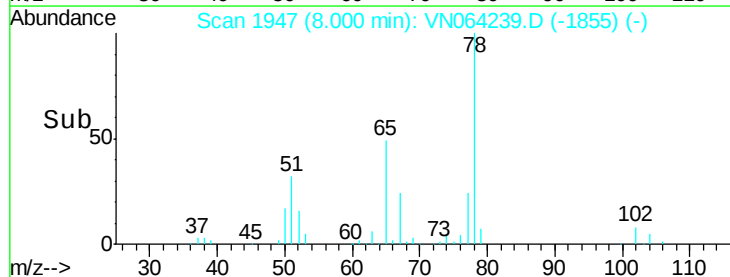
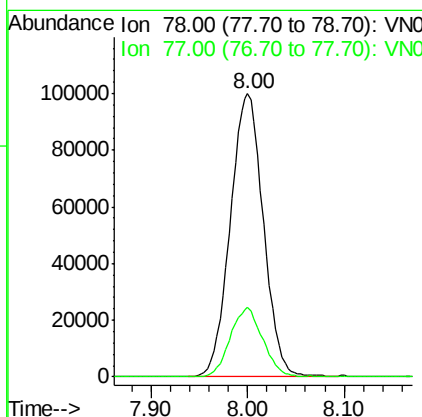
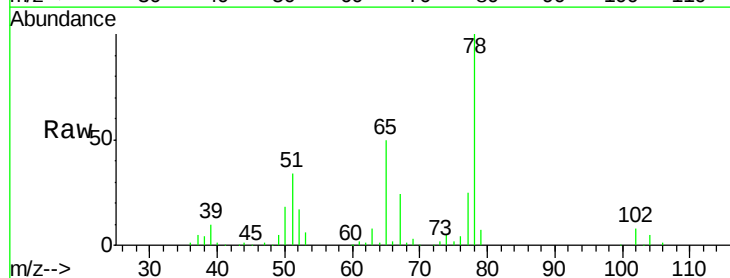
Manual Integrations
APPROVED

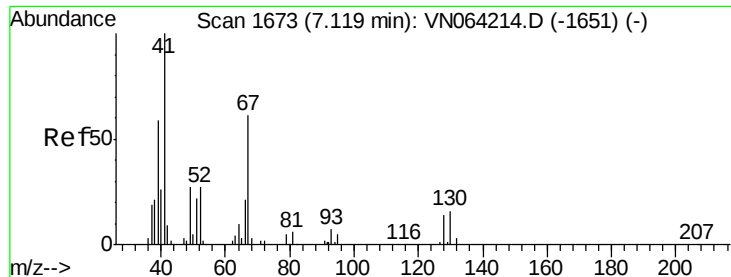
MMDadoda
10/23/2020 2:10:35 PM



#40
Benzene
Concen: 19.029 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.3	27.5





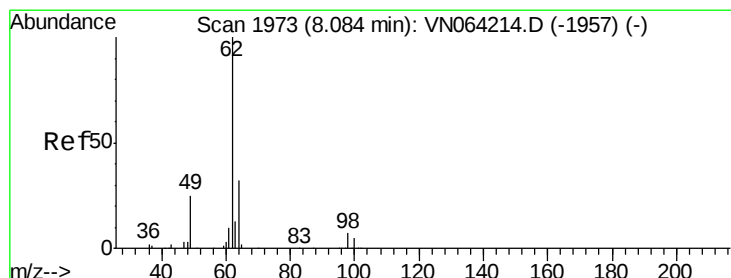
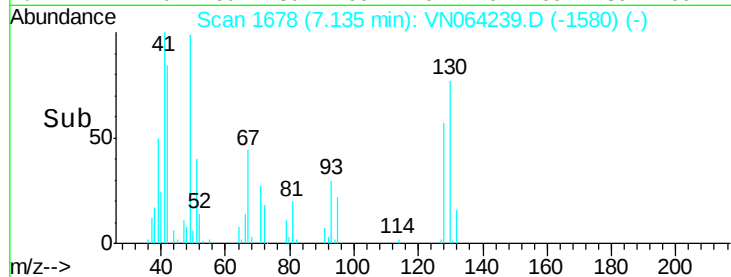
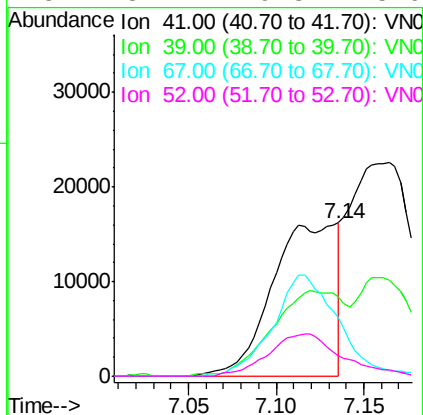
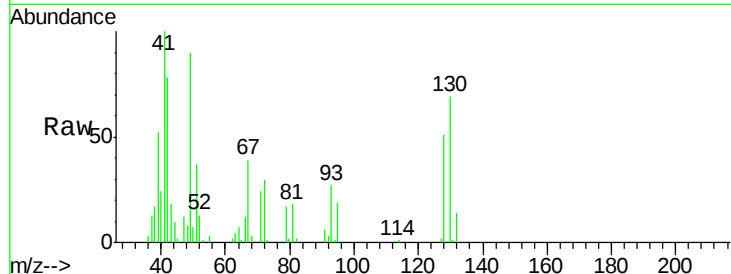
#41
Methacrylonitrile
Concen: 19.376 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.02 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.5	50.5	75.7	
67	67.2	63.2	94.8	
52	31.2	29.3	43.9	

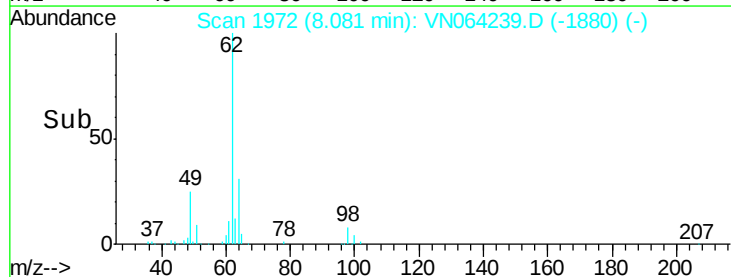
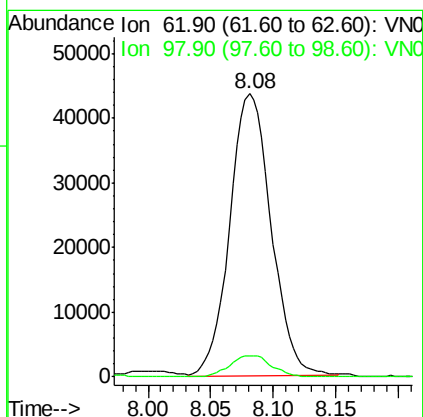
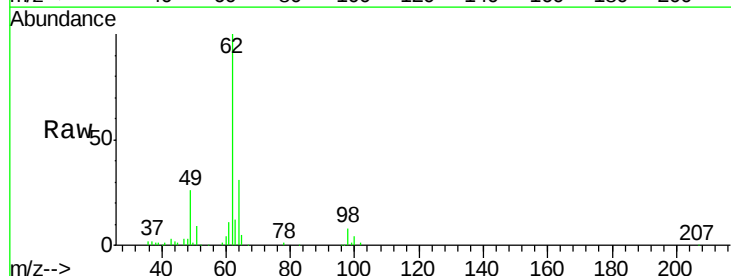
Manual Integrations
APPROVED

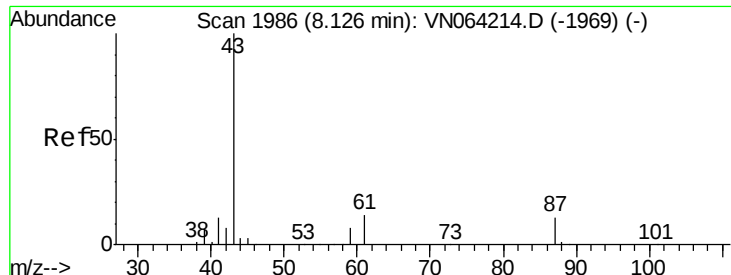
MMDadoda
10/23/2020 2:10:35 PM



#42
1,2-Dichloroethane
Concen: 18.724 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	15.0	





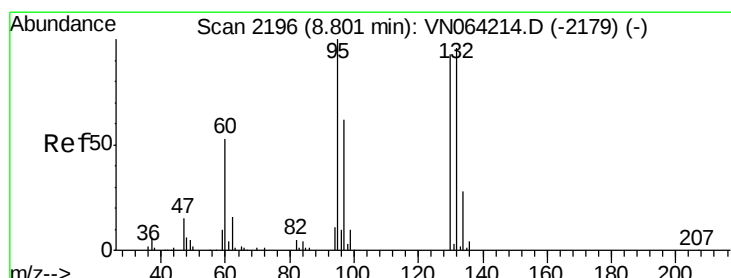
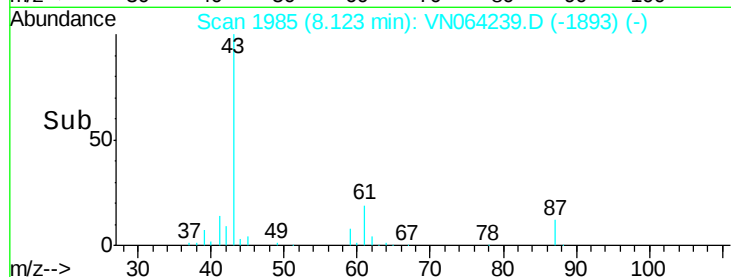
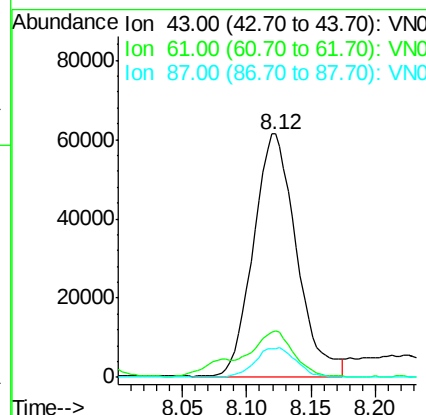
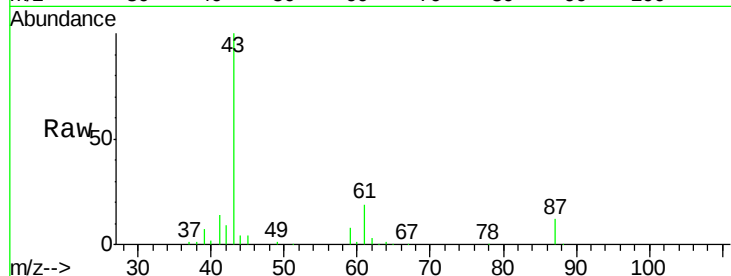
#43
Isopropyl Acetate
Concen: 18.675 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	19.6	29.4#
87	11.7	9.8	14.6

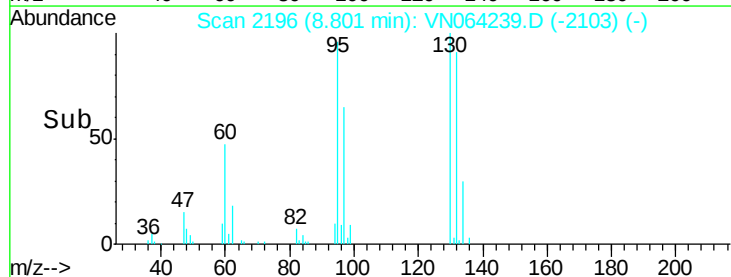
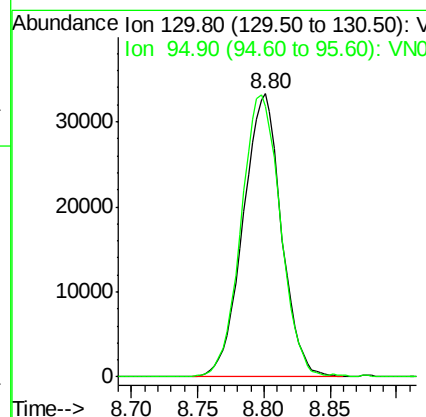
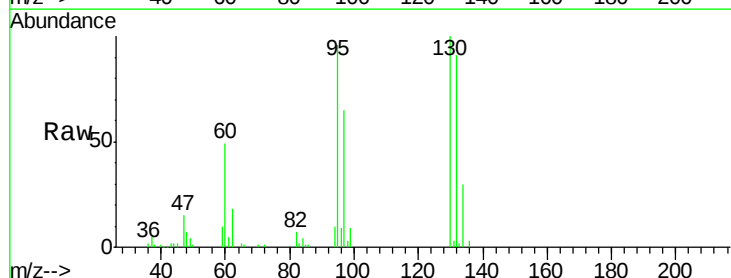
Manual Integrations
APPROVED

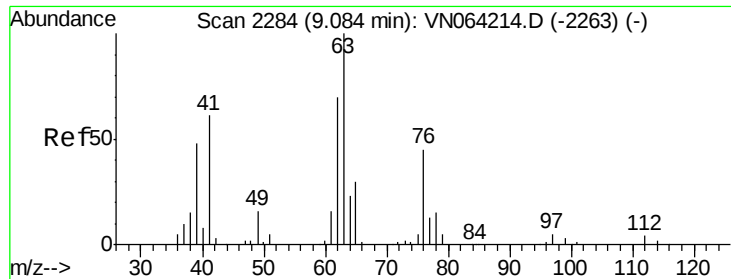
MMDadoda
10/23/2020 2:10:35 PM



#44
Trichloroethene
Concen: 19.707 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	214.0





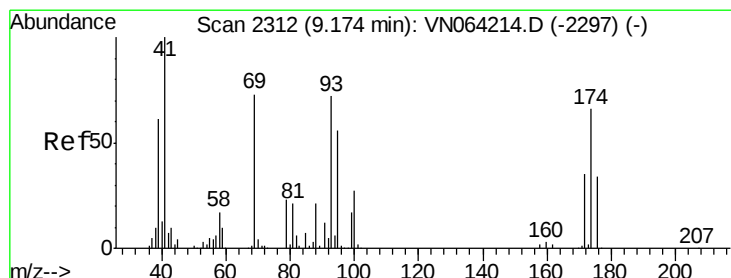
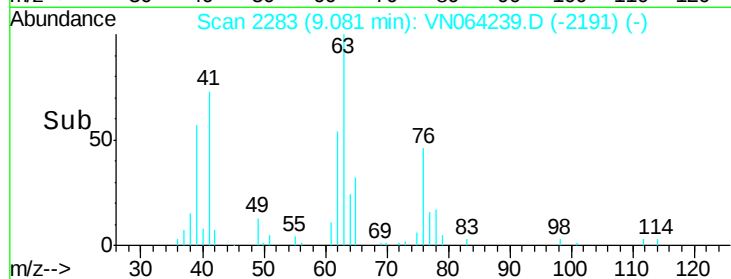
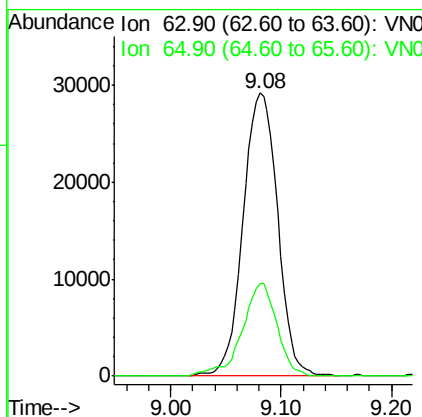
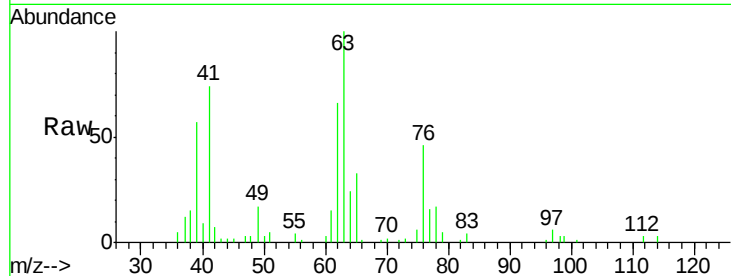
#45
 1,2-Dichloropropane
 Concen: 19.095 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion: 63 Resp: 63460
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.0 36.0

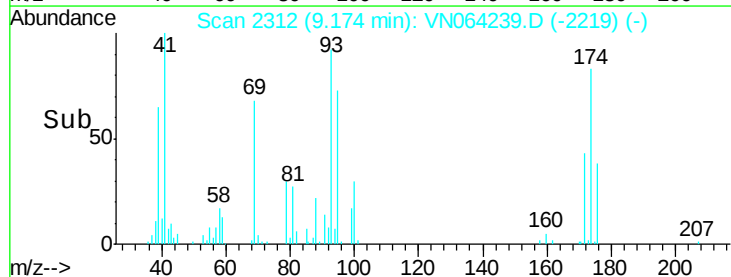
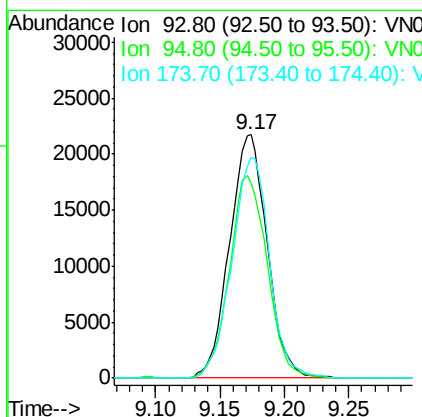
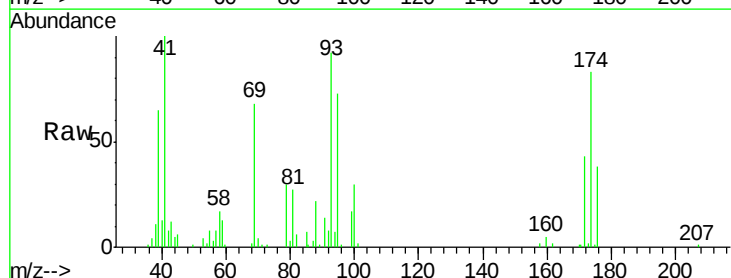
Manual Integrations
 APPROVED

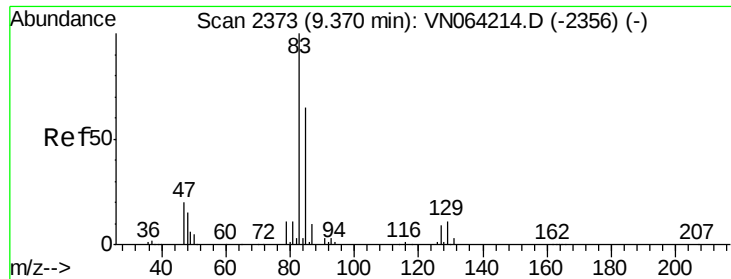
MMDadoda
 10/23/2020 2:10:35 PM



#46
 Dibromomethane
 Concen: 19.749 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion: 93 Resp: 44070
 Ion Ratio Lower Upper
 93 100
 95 83.5 63.0 94.4
 174 90.5 72.9 109.3





#47

Bromodichloromethane

Concen: 19.443 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

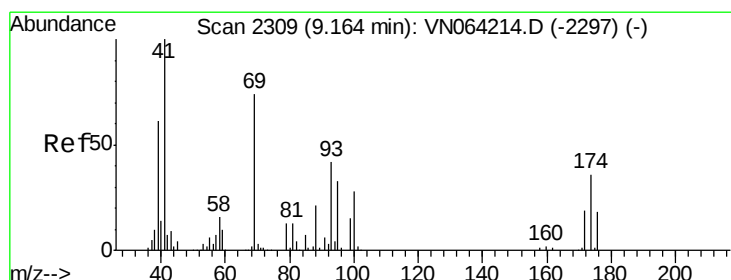
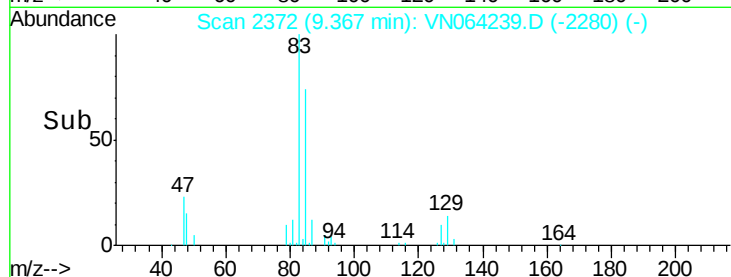
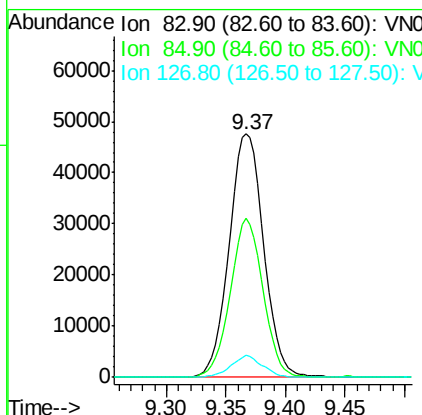
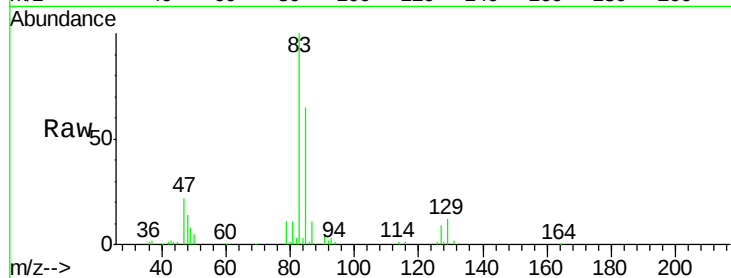
ClientSampleId :

VN1021WBS02

Tot Ion:	83	Resp:	95859
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.8	77.8
127	8.9	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#48

Methyl methacrylate

Concen: 17.465 ug/l

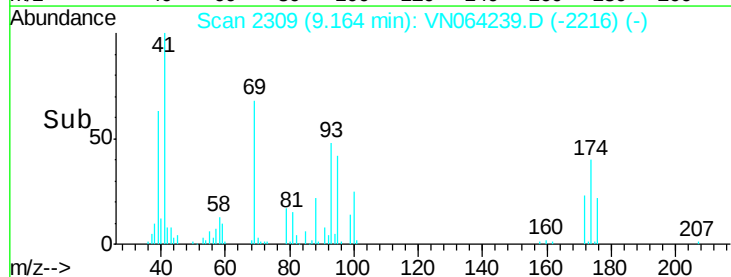
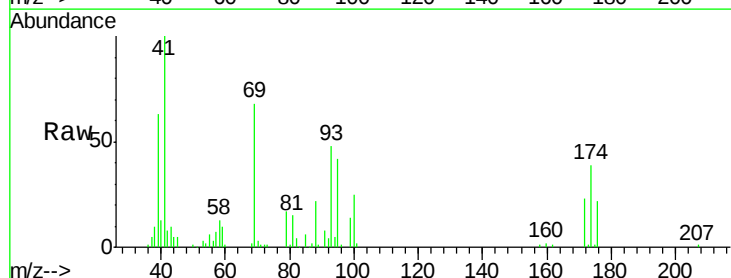
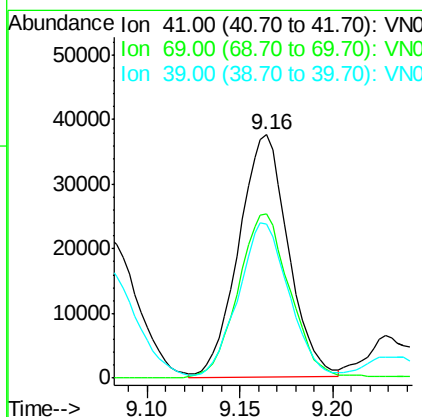
RT: 9.16 min Scan# 2309

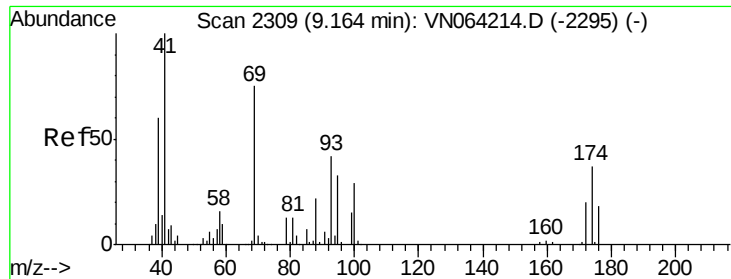
Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion:	41	Resp:	69620
Ion Ratio	Lower	Upper	
41	100		
69	71.1	57.3	85.9
39	66.0	48.6	73.0





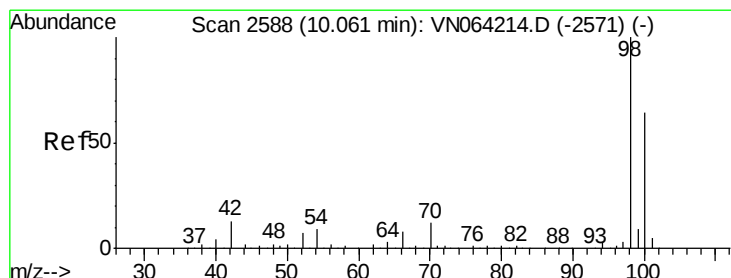
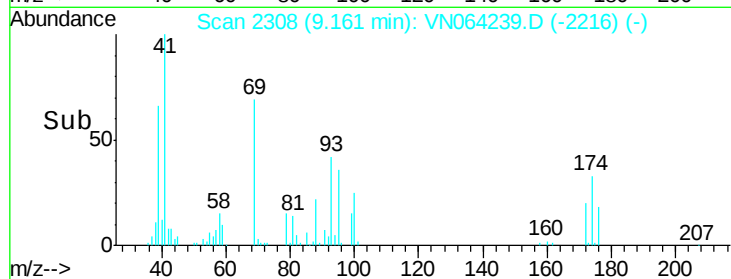
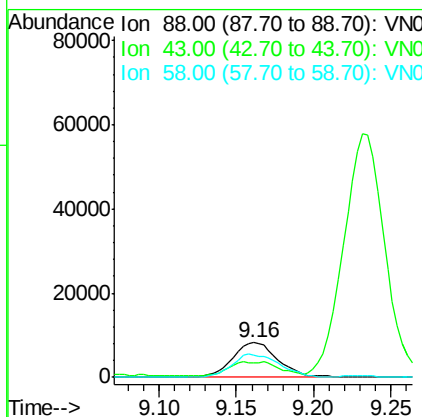
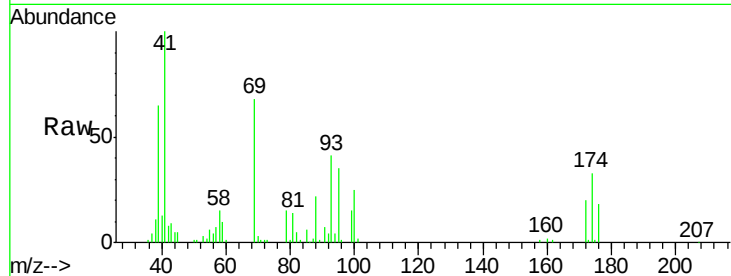
#49
1,4-Dioxane
Concen: 360.801 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	16828		
43	22.7		34.6	52.0#
58	69.4		59.0	88.6

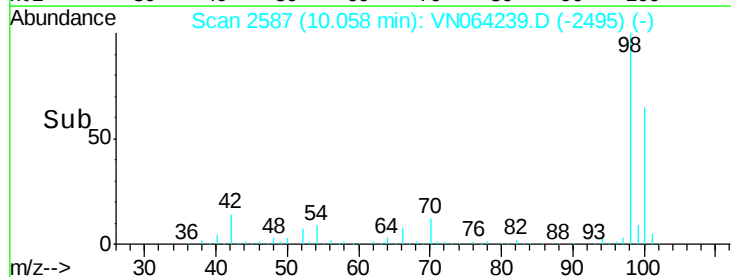
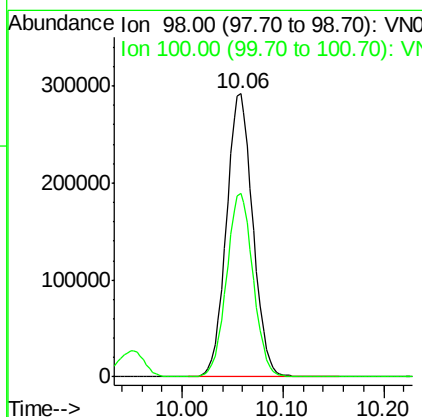
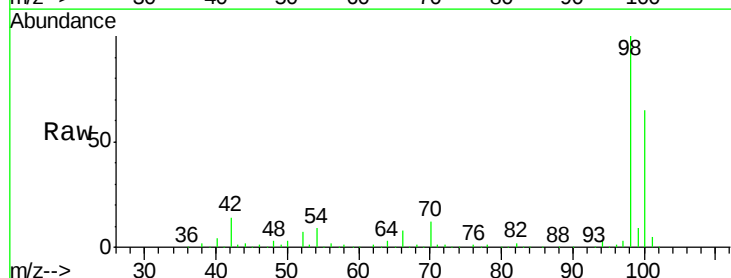
Manual Integrations
APPROVED

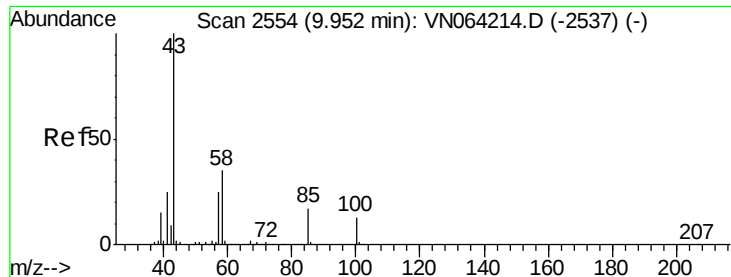
MMDadoda
10/23/2020 2:10:35 PM



#50
Toluene-d8
Concen: 48.970 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	534244		
100	64.9		50.8	76.2





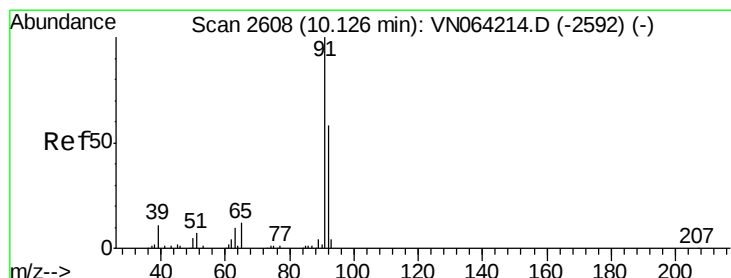
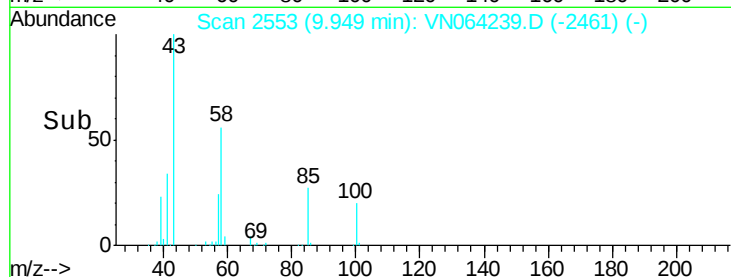
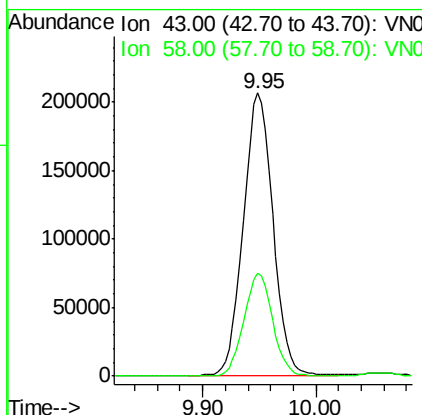
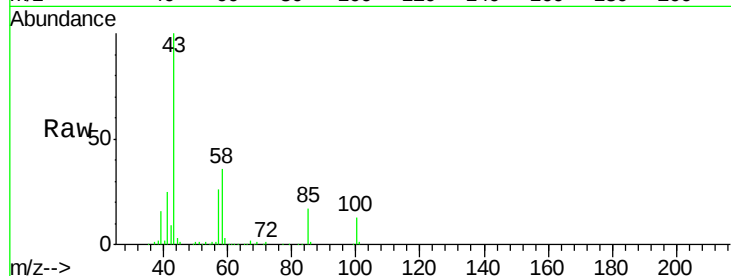
#51
4-Methyl-2-Pentanone
Concen: 92.193 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion: 43 Resp: 375991
Ion Ratio Lower Upper
43 100
58 35.3 28.6 42.8

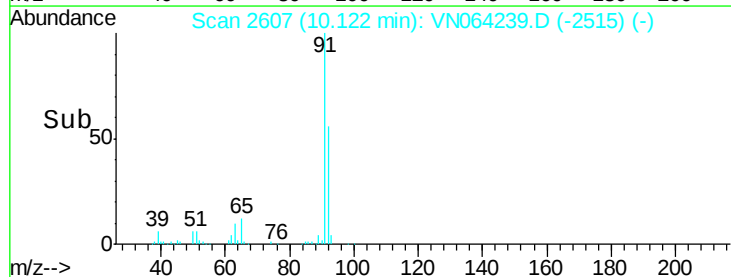
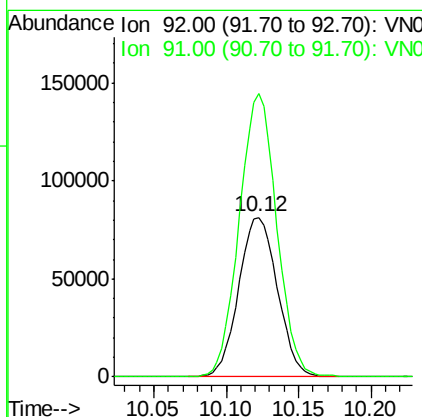
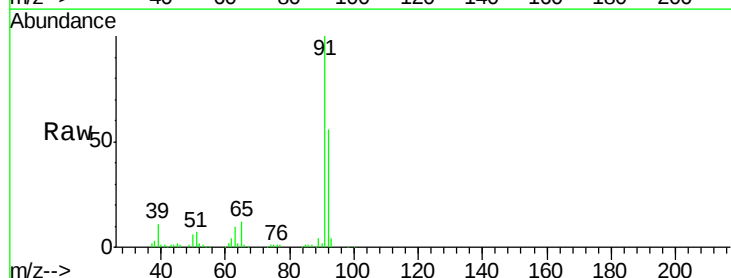
Manual Integrations
APPROVED

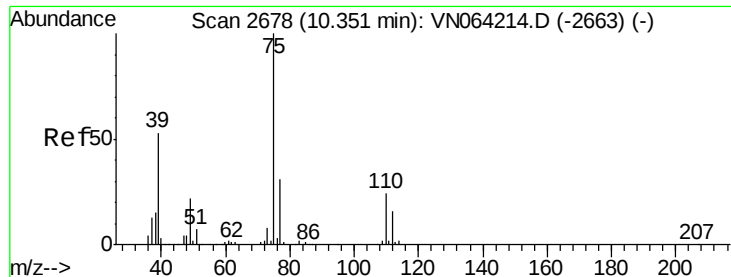
MMDadoda
10/23/2020 2:10:35 PM



#52
Toluene
Concen: 19.021 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion: 92 Resp: 151509
Ion Ratio Lower Upper
92 100
91 172.0 137.4 206.2





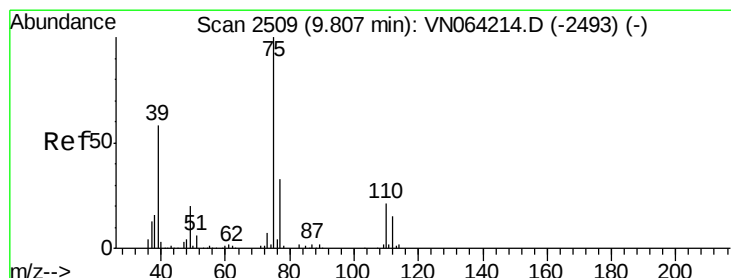
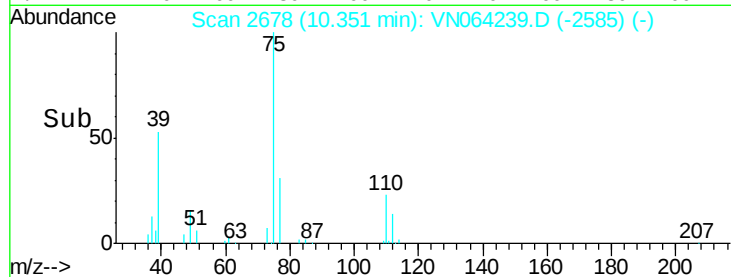
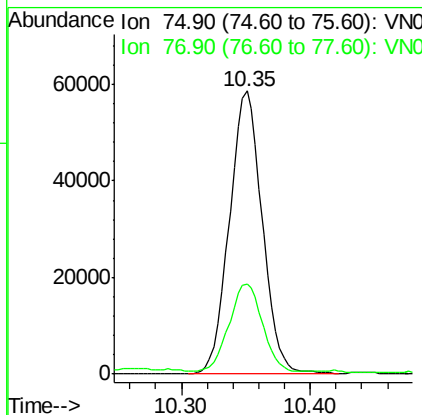
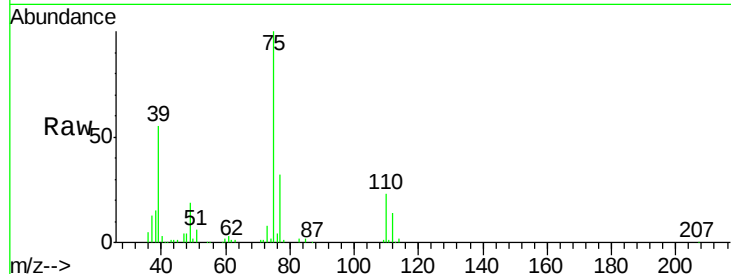
#53
t-1,3-Dichloropropene
Concen: 18.923 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

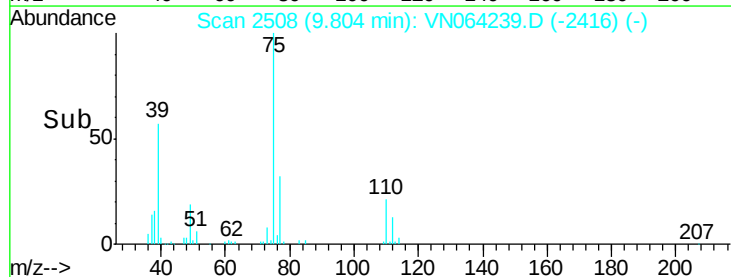
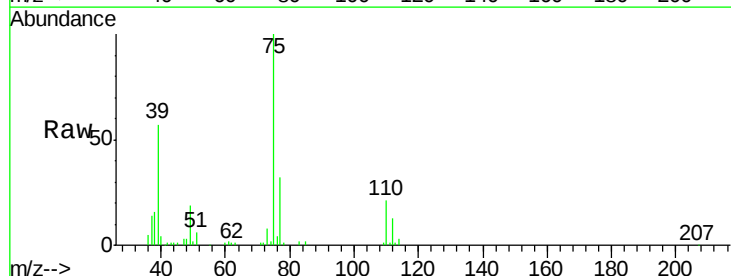
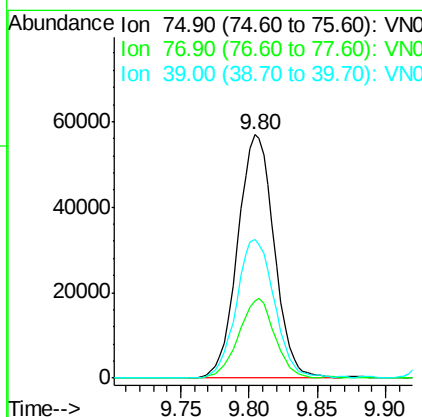
Manual Integrations
APPROVED

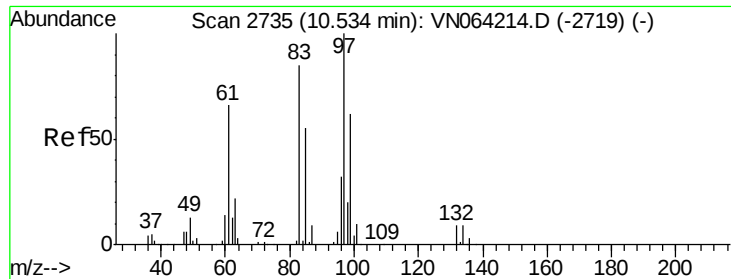
MMDadoda
10/23/2020 2:10:35 PM



#54
cis-1,3-Dichloropropene
Concen: 18.330 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.6	39.8
39	56.7	46.7	70.1





#55

1,1,2-Trichloroethane

Concen: 19.205 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

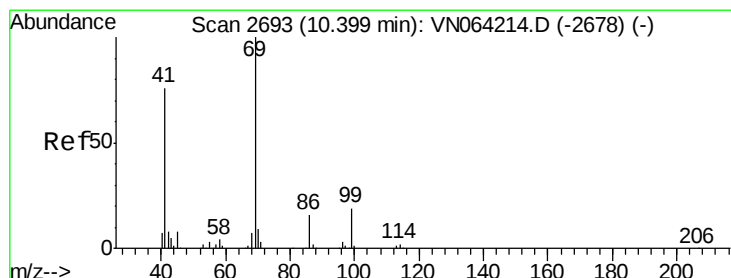
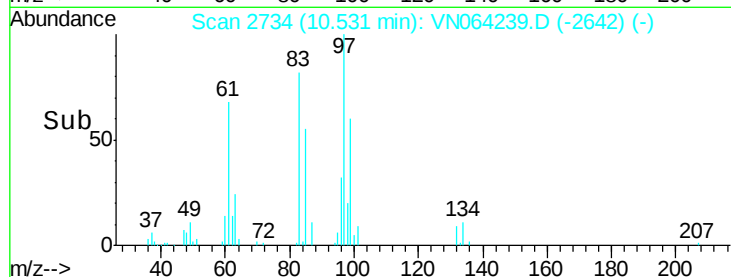
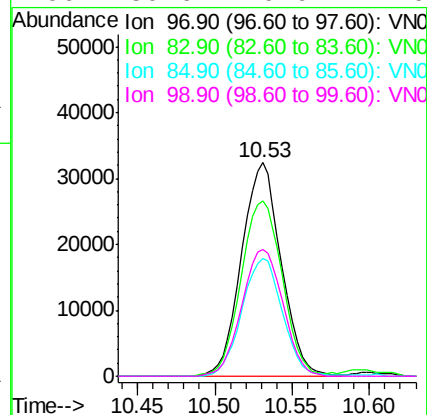
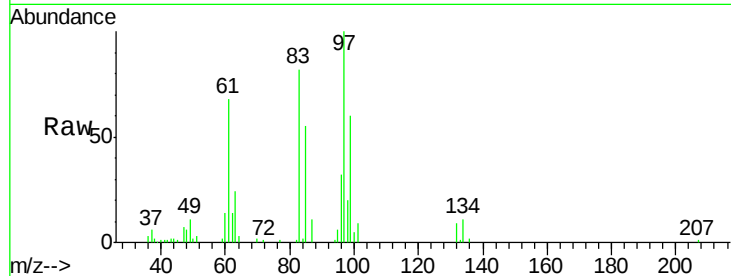
ClientSampleId :

VN1021WBS02

Tot Ion:	97	Resp:	57777
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.8	101.6
85	55.0	43.6	65.4
99	59.6	49.9	74.9

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#56

Ethyl methacrylate

Concen: 19.089 ug/l

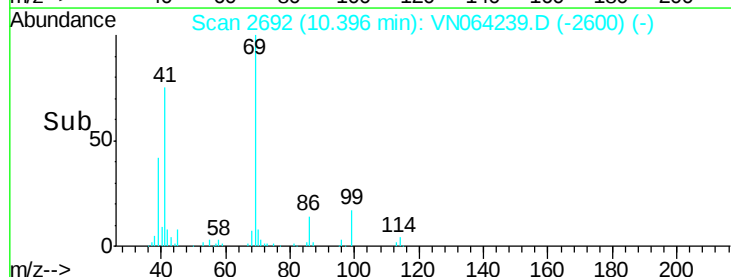
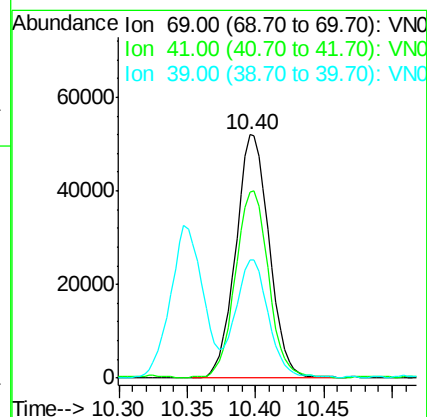
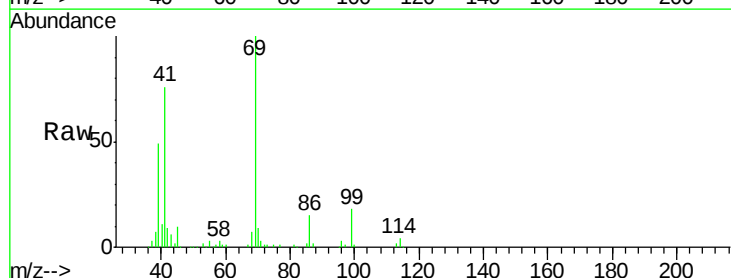
RT: 10.40 min Scan# 2692

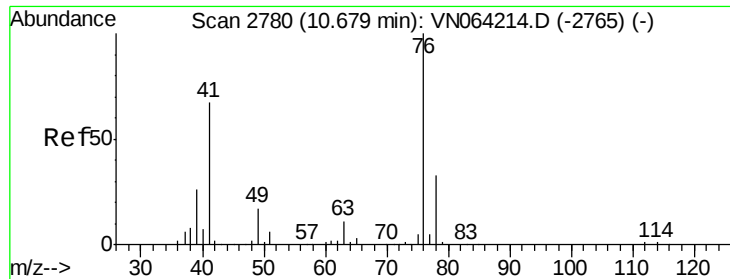
Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion:	69	Resp:	88799
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.4	92.2
39	47.5	36.0	54.0





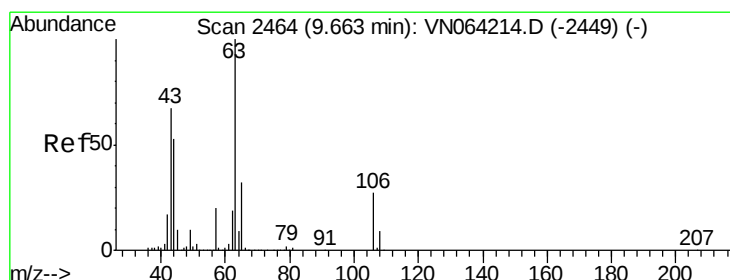
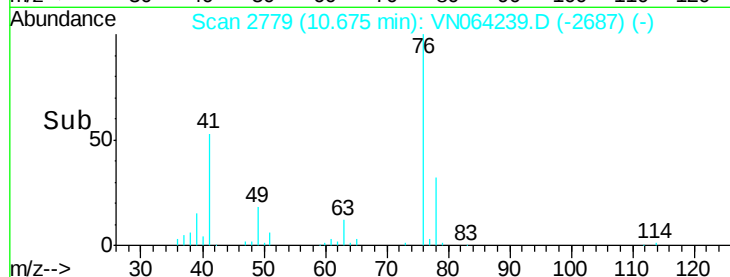
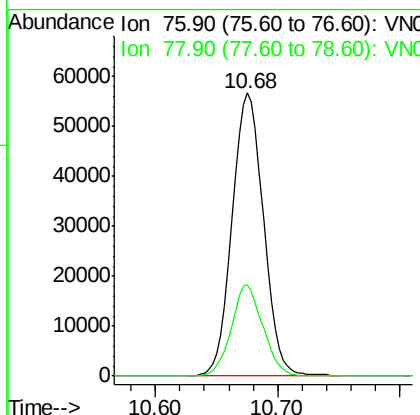
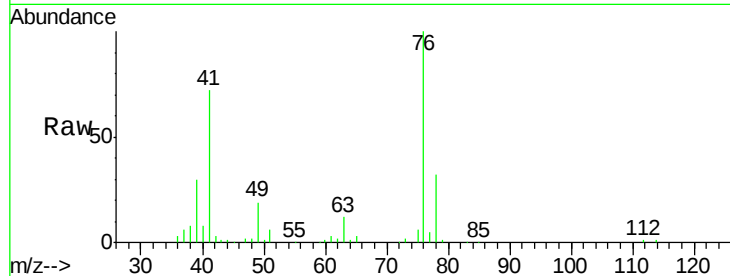
#57
 1,3-Dichloropropane
 Concen: 19.409 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion: 76 Resp: 101422
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

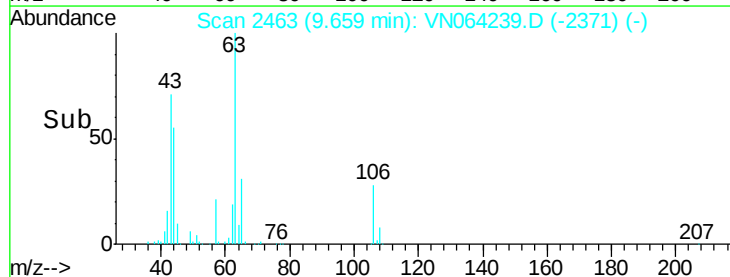
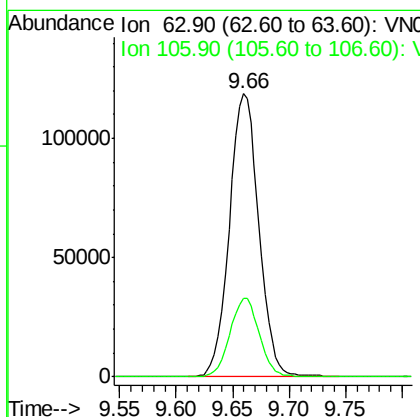
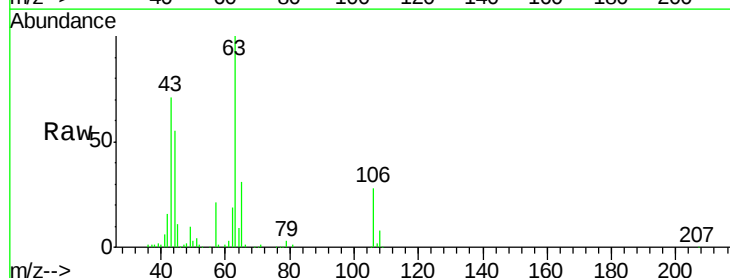
Manual Integrations
 APPROVED

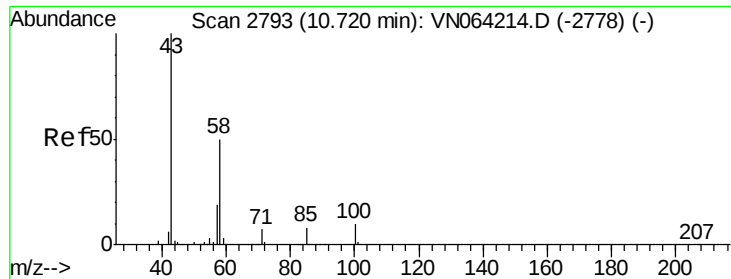
MMDadoda
 10/23/2020 2:10:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.945 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion: 63 Resp: 215450
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.3 31.9





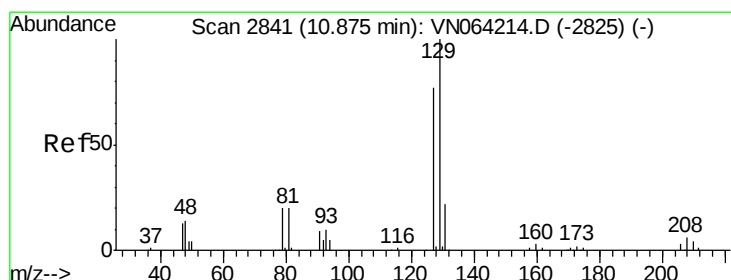
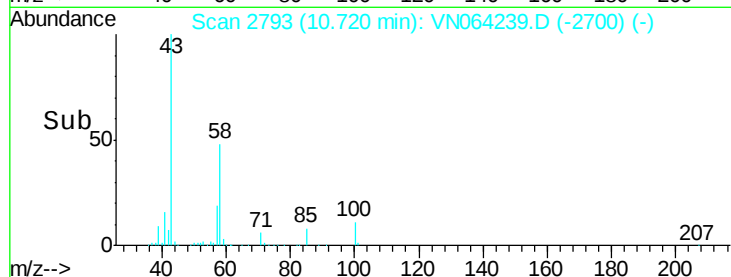
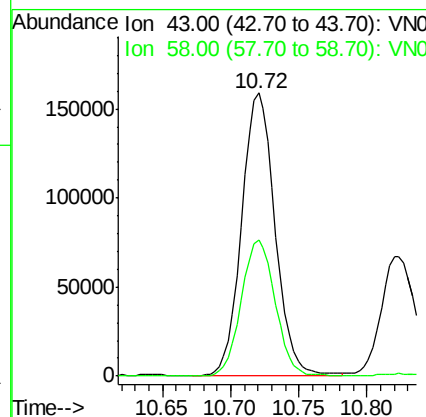
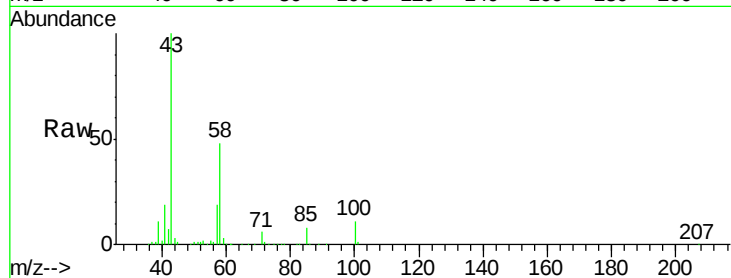
#59
2-Hexanone
Concen: 89.989 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	43	Resp	268027
Ion Ratio	43	100	
Lower	58	49.6	24.8
Upper			74.3

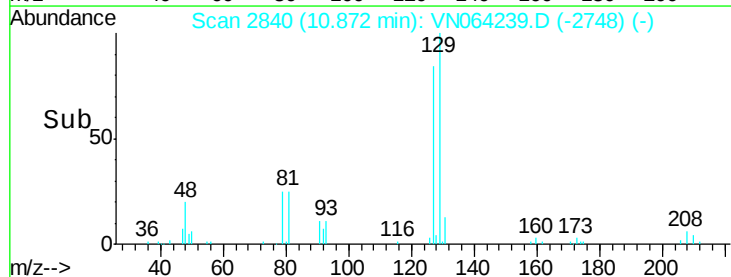
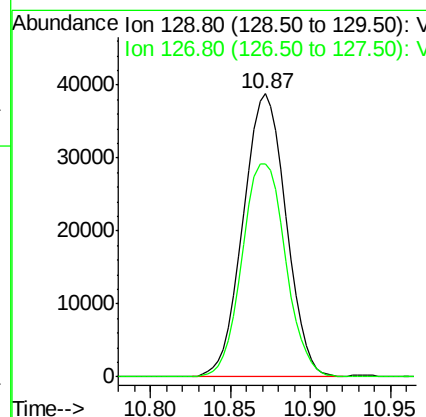
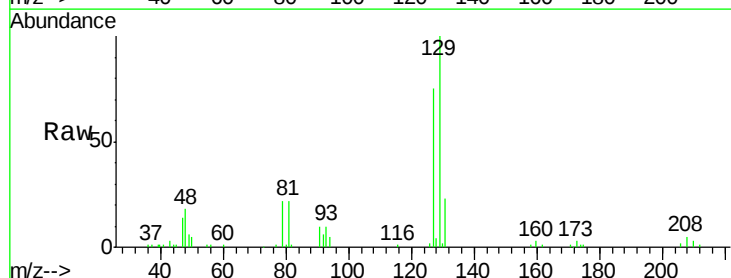
Manual Integrations
APPROVED

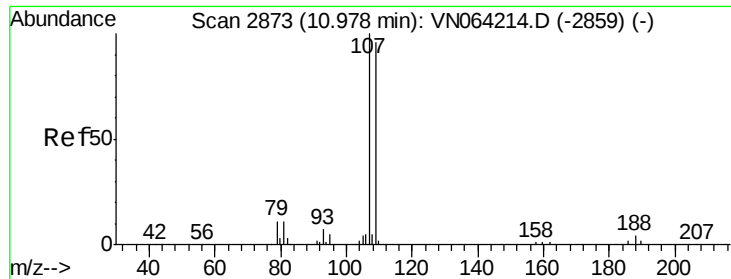
MMDadoda
10/23/2020 2:10:35 PM



#60
Dibromochloromethane
Concen: 18.272 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	129	Resp	71161
Ion Ratio	129	100	
Lower	127	76.5	38.8
Upper			116.3





#61

1,2-Dibromoethane

Concen: 18.964 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion: 107 Resp: 60203

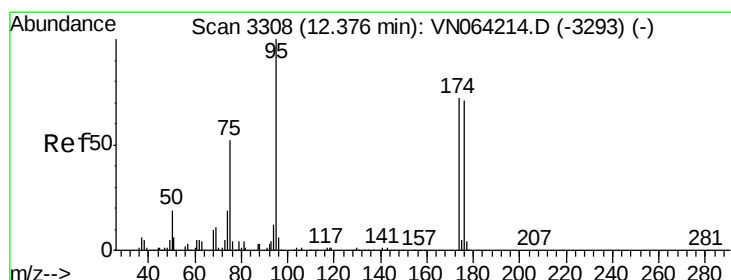
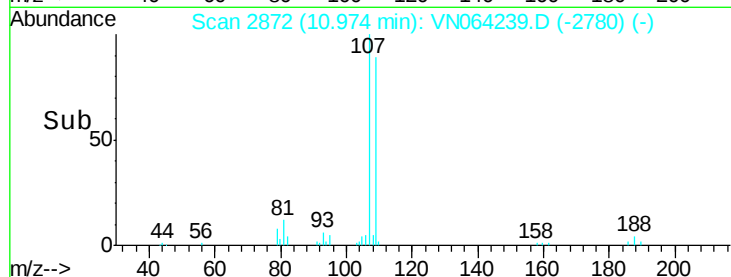
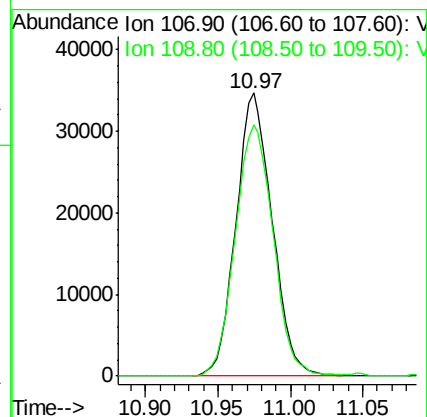
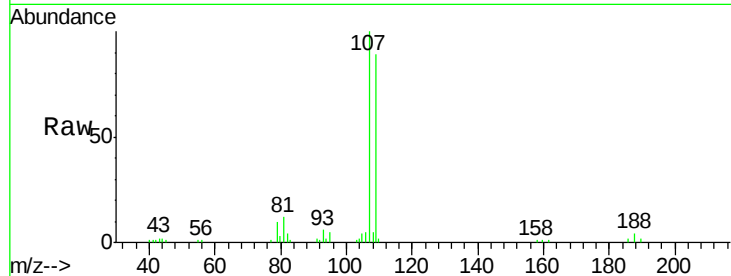
Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.4

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#62

4-Bromofluorobenzene

Concen: 48.835 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

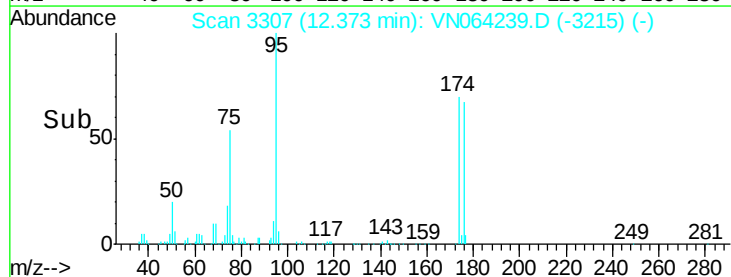
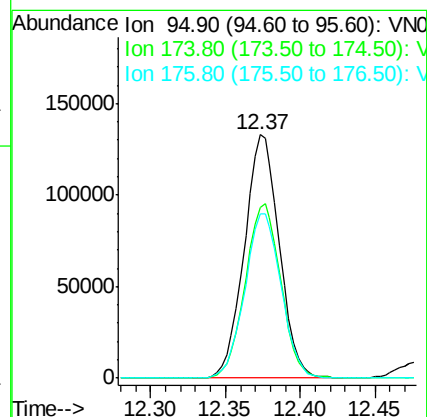
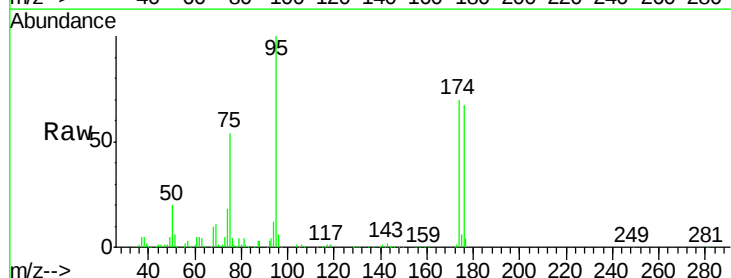
Tgt Ion: 95 Resp: 215979

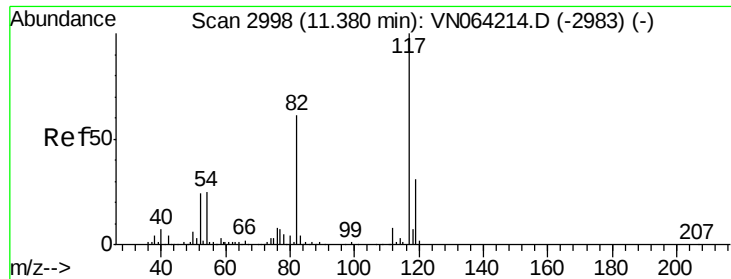
Ion Ratio Lower Upper

95 100

174 73.0 0.0 144.4

176 70.1 0.0 139.2





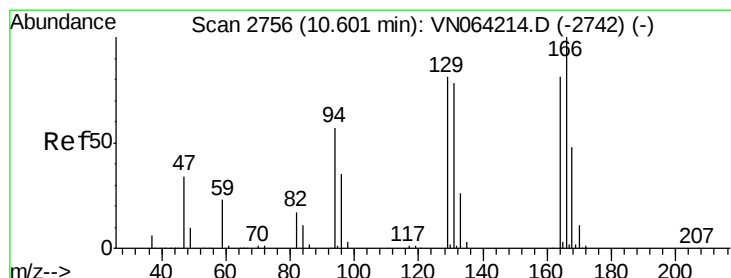
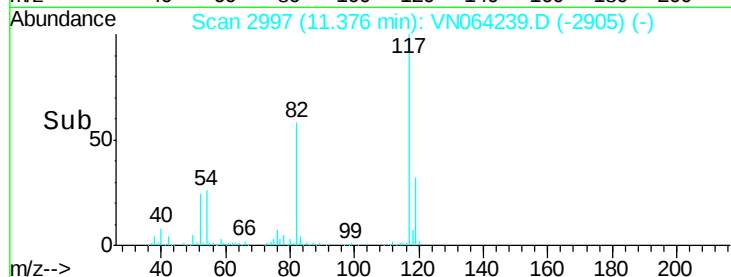
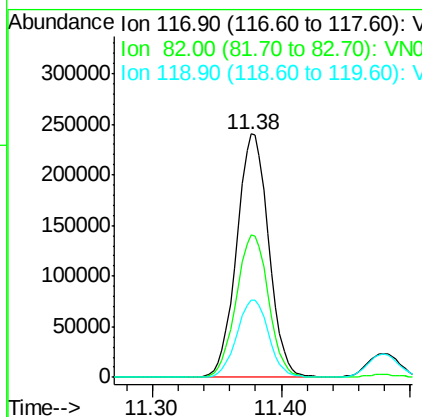
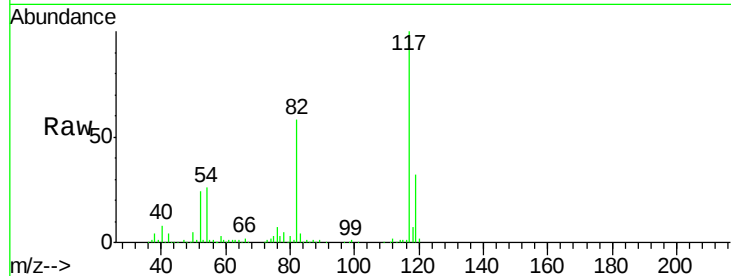
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.8	73.2
119	31.6	24.7	37.1

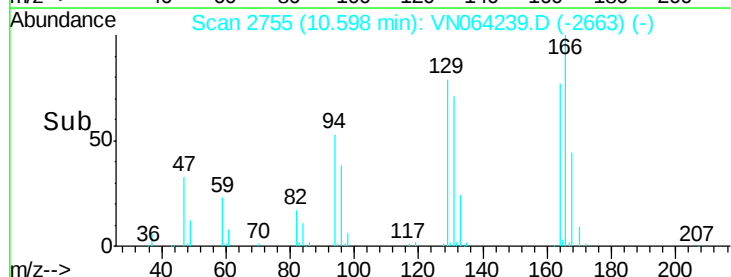
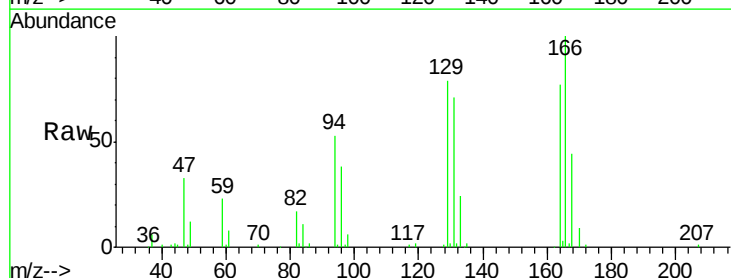
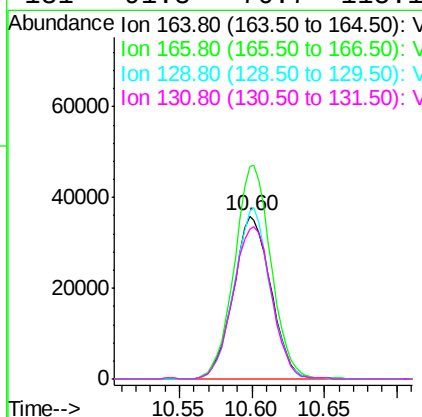
Manual Integrations
APPROVED

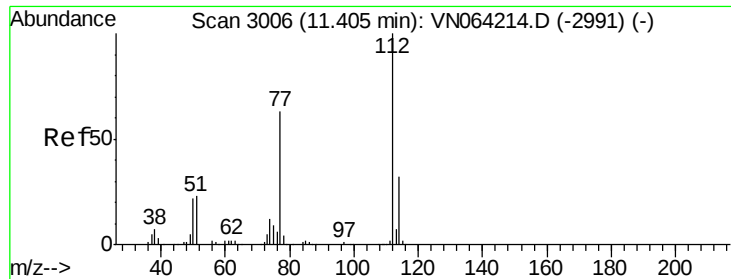
MMDadoda
10/23/2020 2:10:35 PM



#64
Tetrachloroethene
Concen: 19.275 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	98.9	148.3
129	102.8	79.9	119.9
131	91.8	76.7	115.1





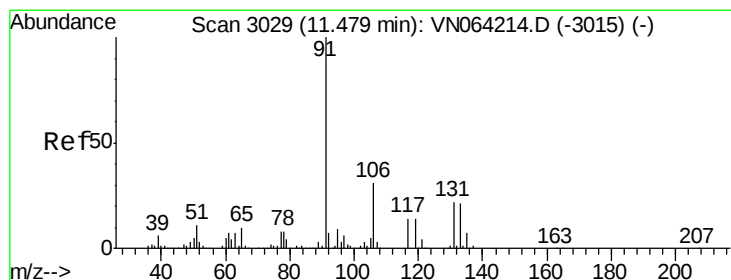
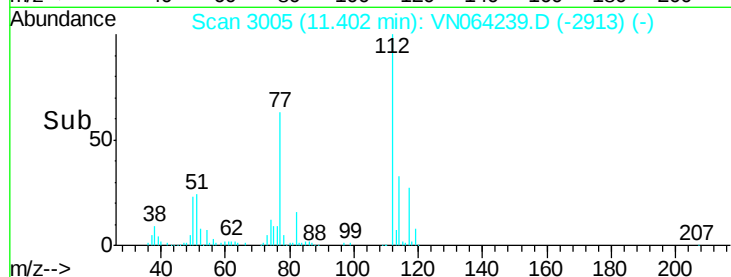
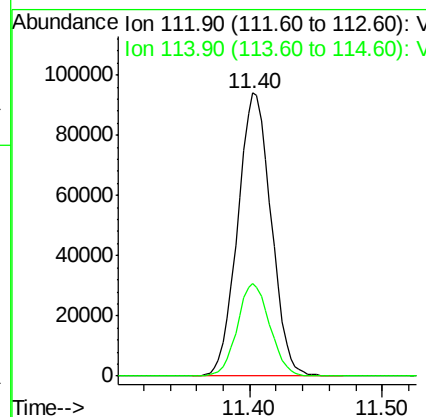
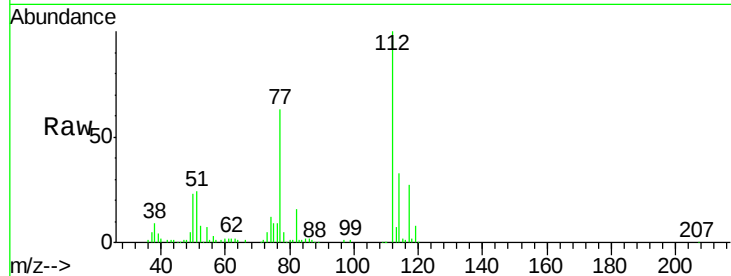
#65
Chlorobenzene
Concen: 19.197 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.7	38.5

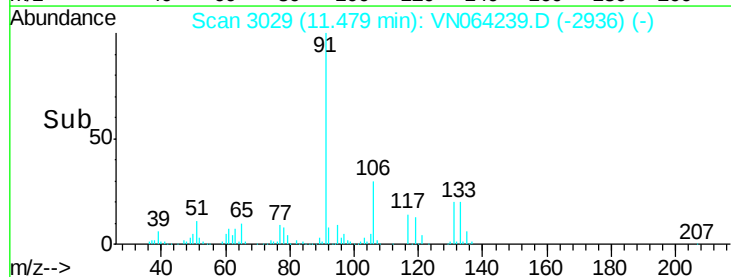
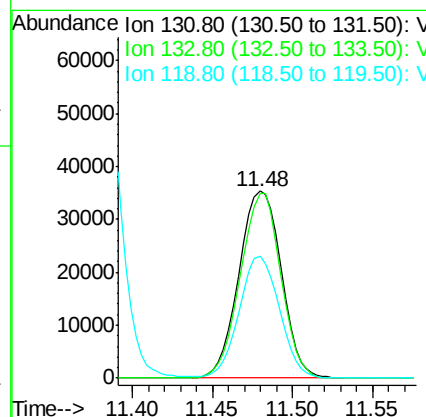
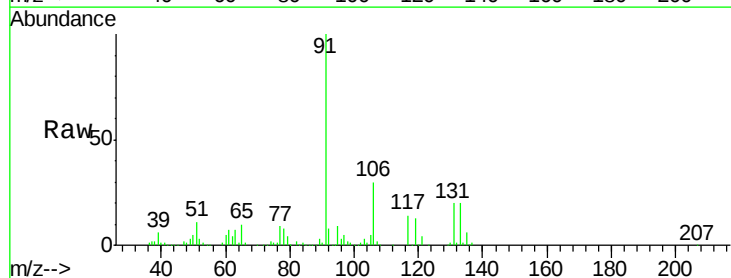
Manual Integrations
APPROVED

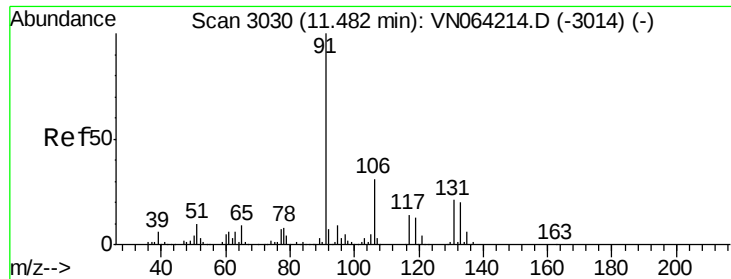
MMDadoda
10/23/2020 2:10:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.742 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.8	143.4
119	62.0	32.2	96.6





#67

Ethyl Benzene

Concen: 19.071 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion: 91 Resp: 300946

Ion Ratio Lower Upper

91 100

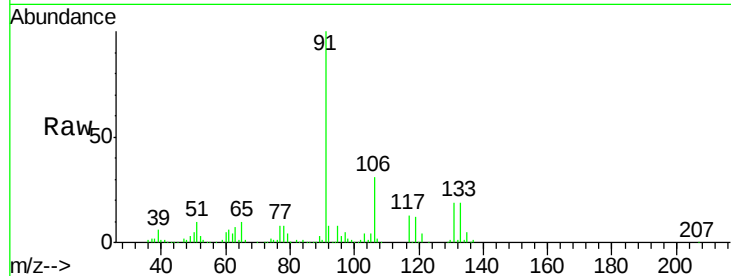
106 30.8 24.8 37.2

Manual Integrations

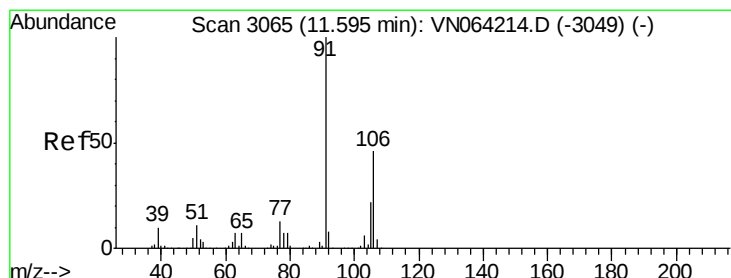
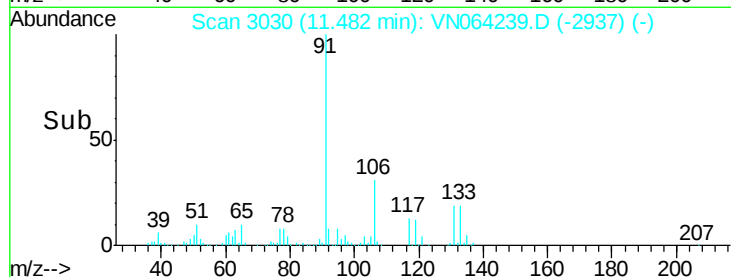
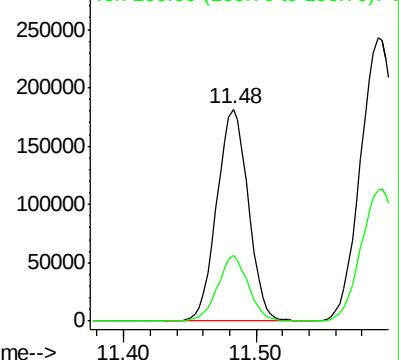
APPROVED

MMDadoda

10/23/2020 2:10:35 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064239.D (-2937) (-)



#68

m/p-Xylenes

Concen: 37.386 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064239.D

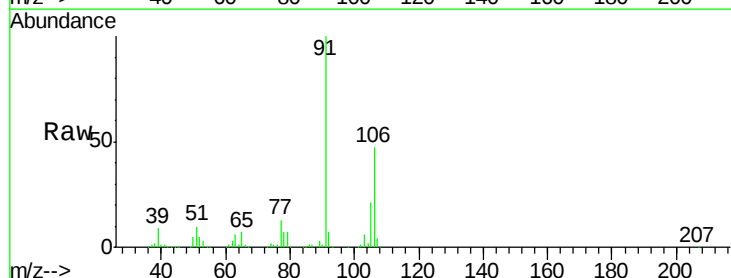
Acq: 22 Oct 2020 1:16

Tgt Ion: 106 Resp: 218585

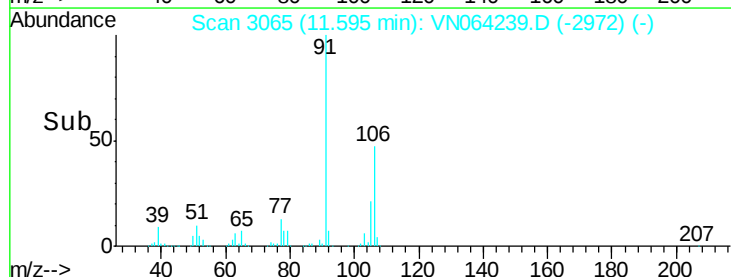
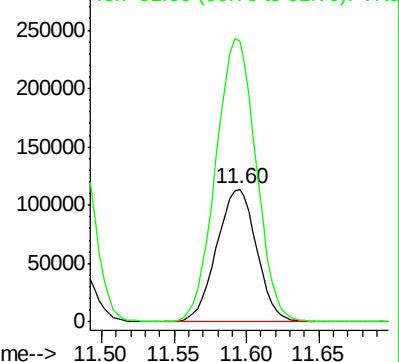
Ion Ratio Lower Upper

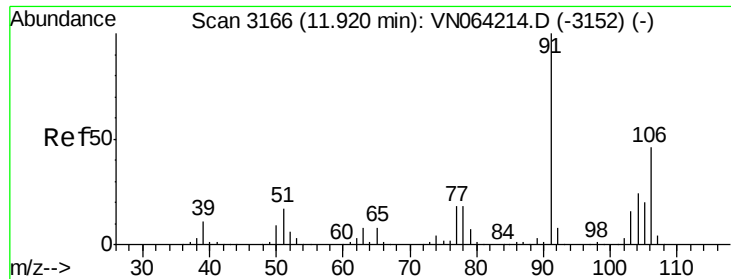
106 100

91 215.0 172.2 258.2



Abundance Ion 106.00 (105.70 to 106.70): VN064239.D (-2972) (-)





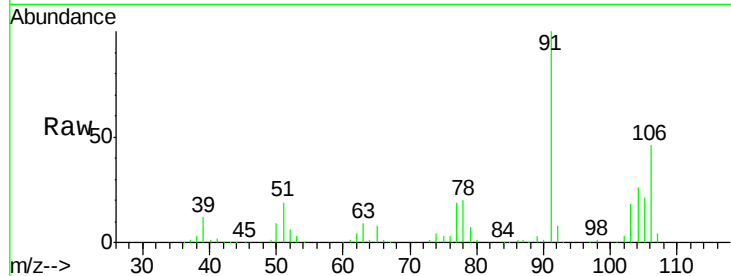
#69
o-Xylene
Concen: 18.866 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

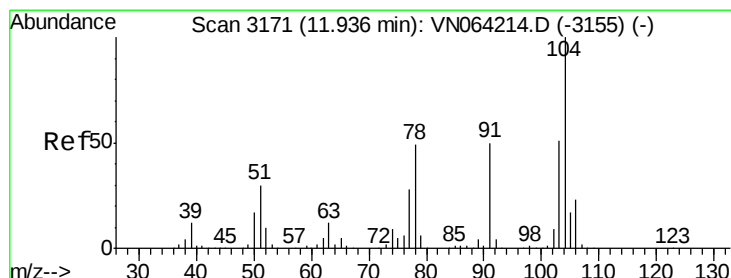
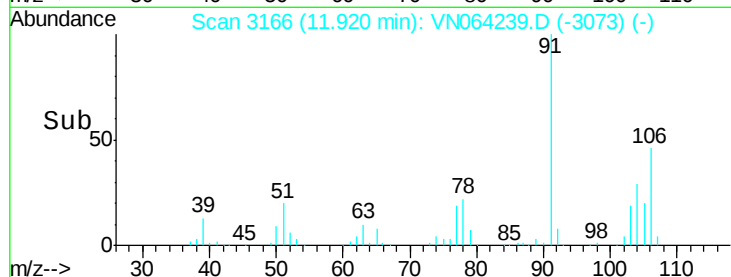
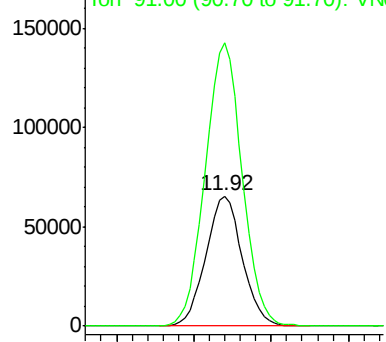
Tot Ion:106 Resp: 106679
Ion Ratio Lower Upper
106 100
91 221.7 109.9 329.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM

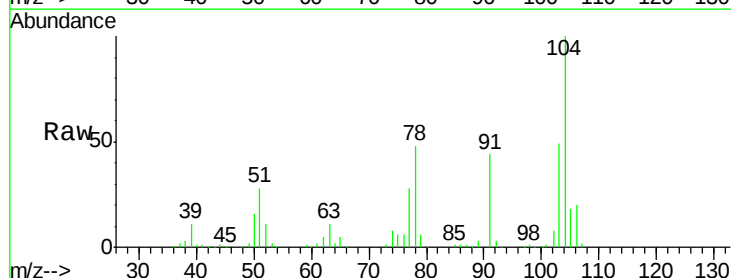


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

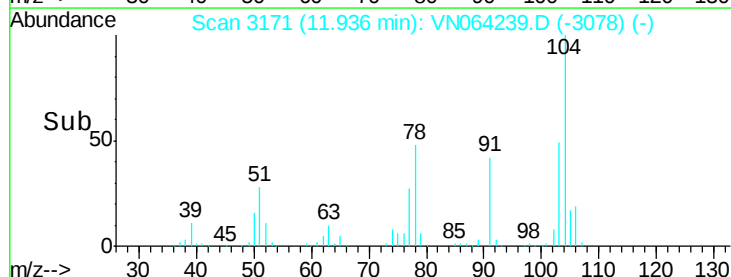
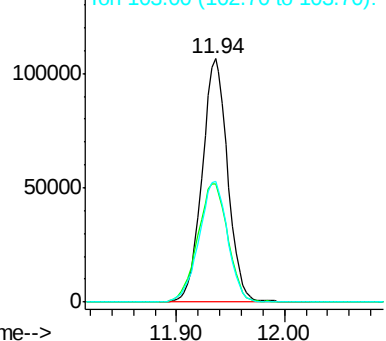


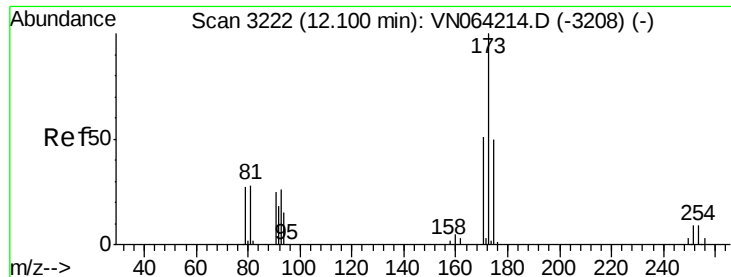
#70
Styrene
Concen: 18.615 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion:104 Resp: 176436
Ion Ratio Lower Upper
104 100
78 57.1 43.8 65.6
103 55.4 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





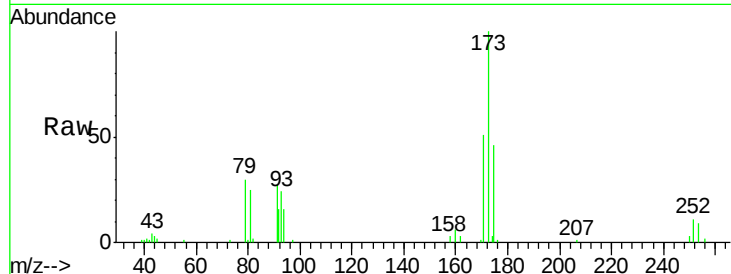
#71
Bromoform
Concen: 18.543 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

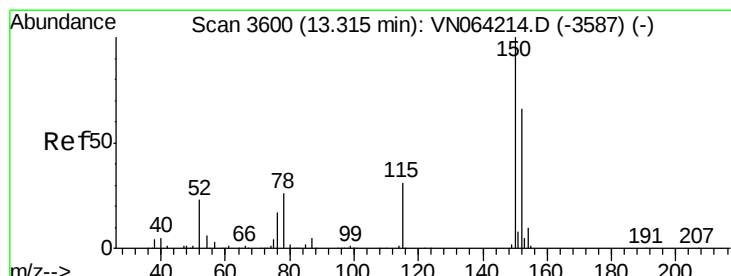
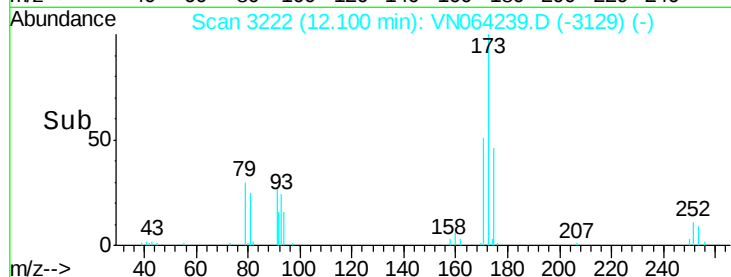
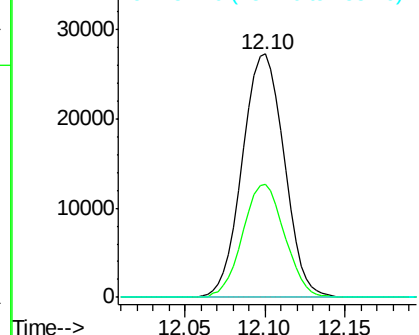
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM

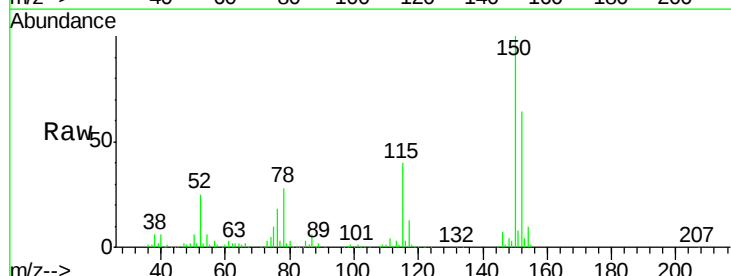


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

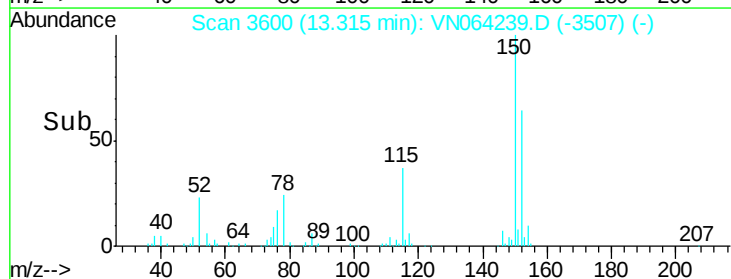
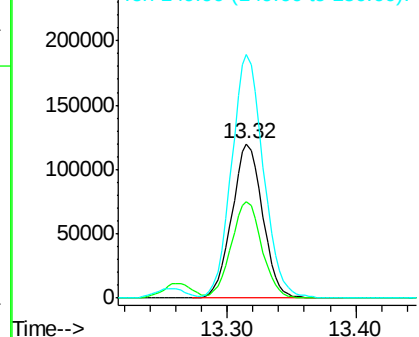


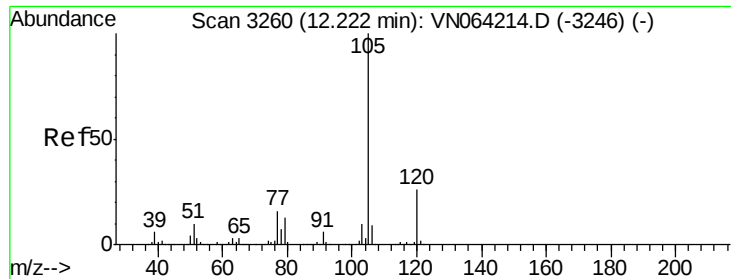
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	32.0	96.2
150	162.6	0.0	356.6



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: 18.984 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion:105 Resp: 287139

Ion Ratio Lower Upper

105 100

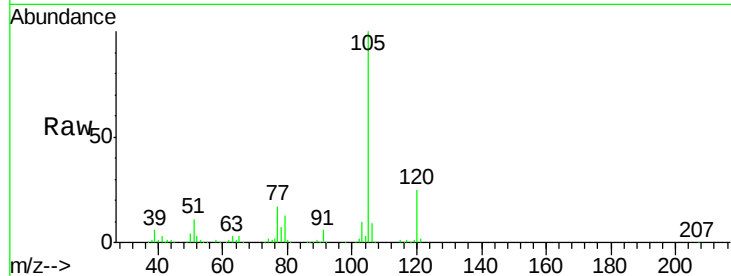
120 25.1 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

10/23/2020 2:10:35 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

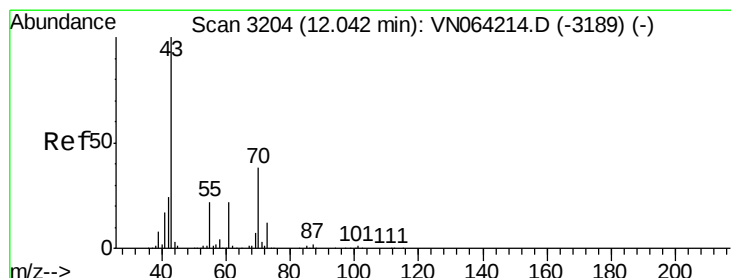
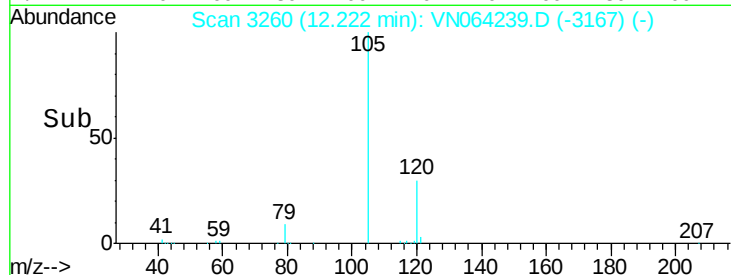
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.587 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion: 43 Resp: 121480

Ion Ratio Lower Upper

43 100

70 35.9 30.2 45.4

55 22.5 18.0 27.0

61 21.9 17.4 26.2

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

120000

100000

80000

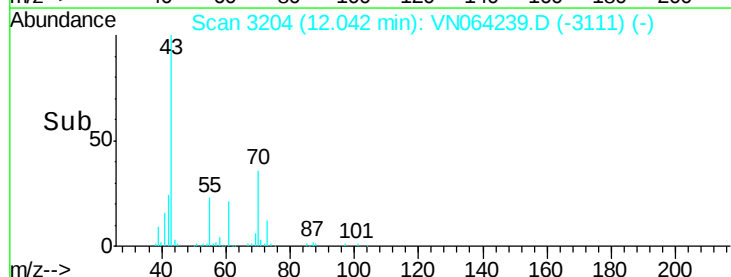
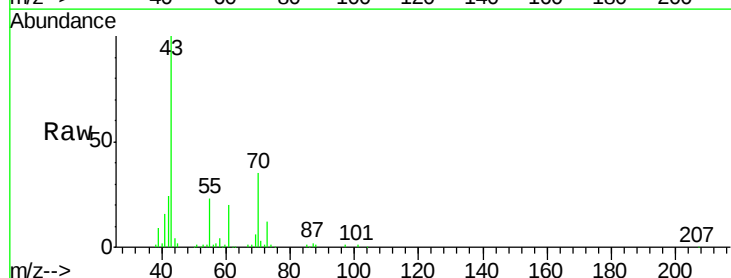
60000

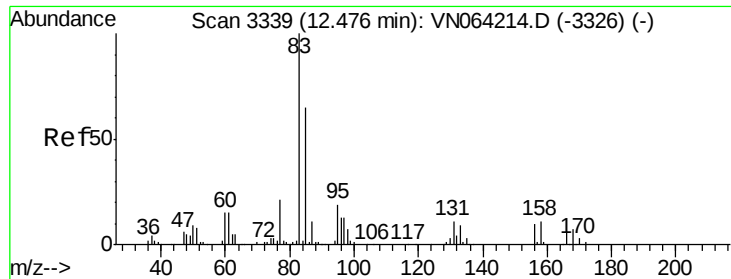
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.284 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

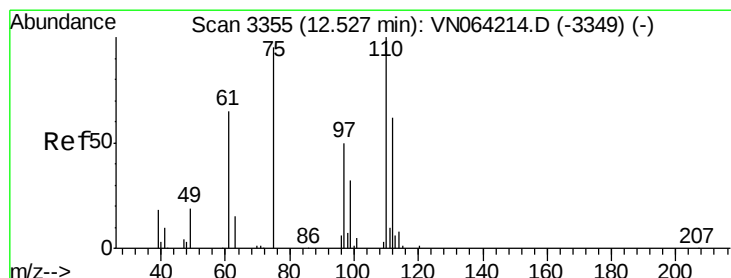
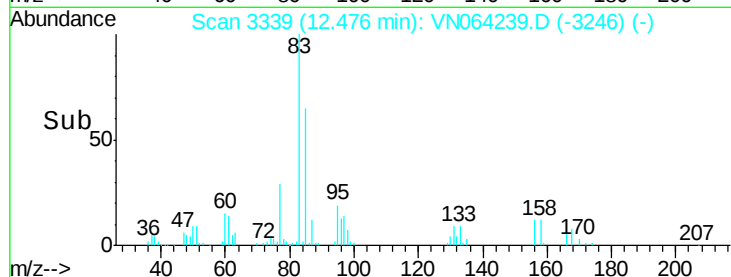
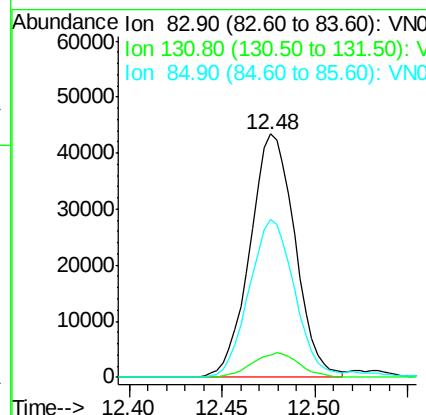
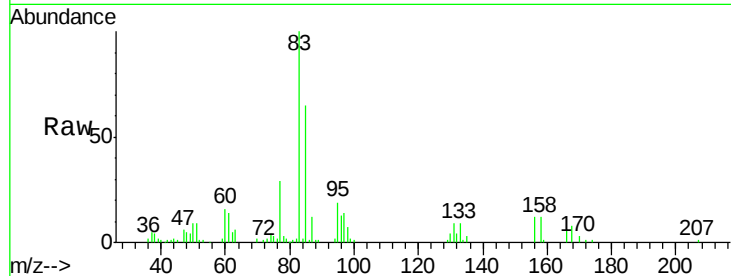
ClientSampleId :

VN1021WBS02

Tot Ion:	83	Resp:	73389
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.7
85	67.0	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#76

1,2,3-Trichloropropane

Concen: 18.614 ug/l m

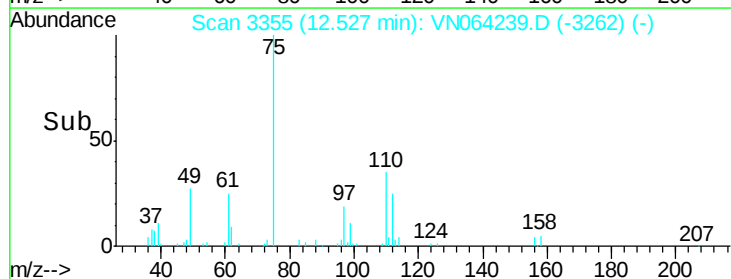
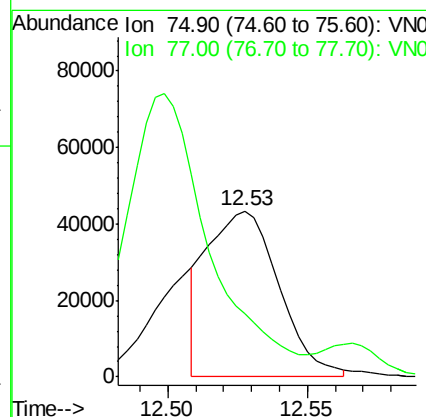
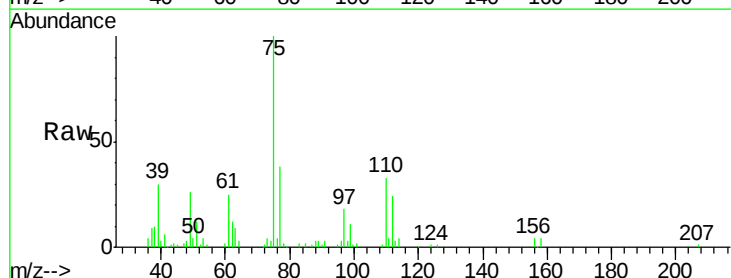
RT: 12.53 min Scan# 3355

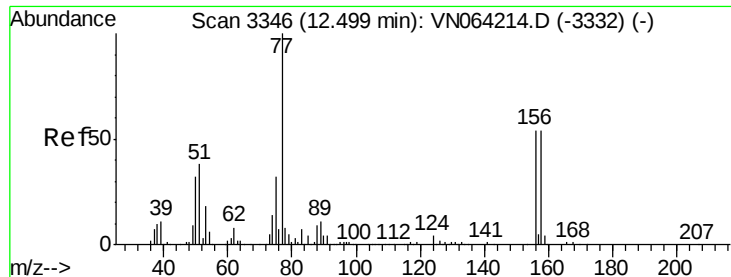
Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion:	75	Resp:	77822
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.334 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

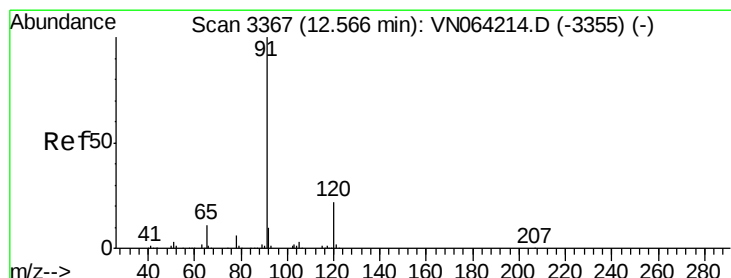
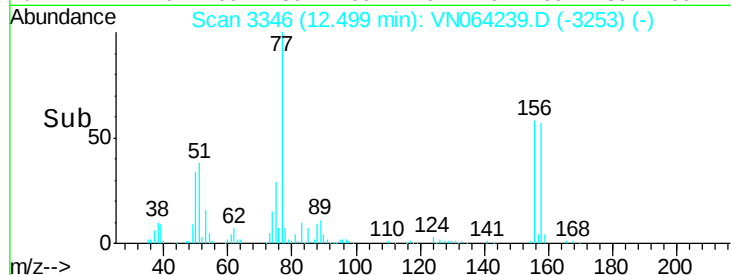
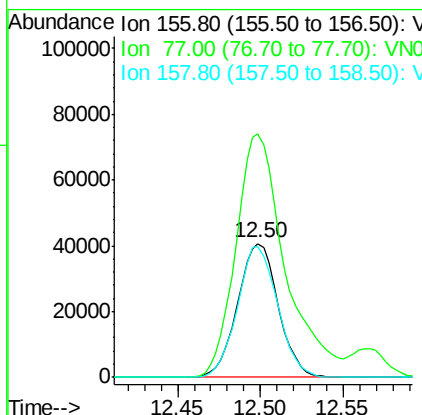
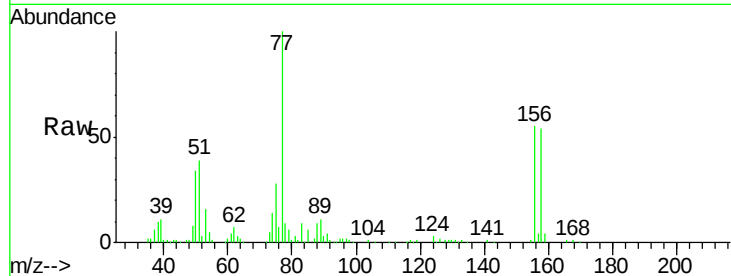
ClientSampleId :

VN1021WBS02

Tot Ion:	156	Resp:	69038
Ion Ratio	Lower	Upper	
156	100		
77	222.1	111.1	333.4
158	97.3	50.0	150.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#78

n-propylbenzene

Concen: 18.321 ug/l

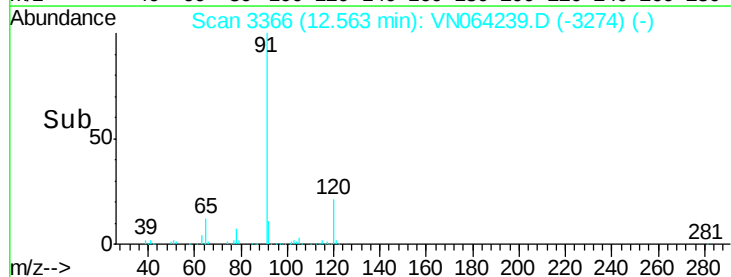
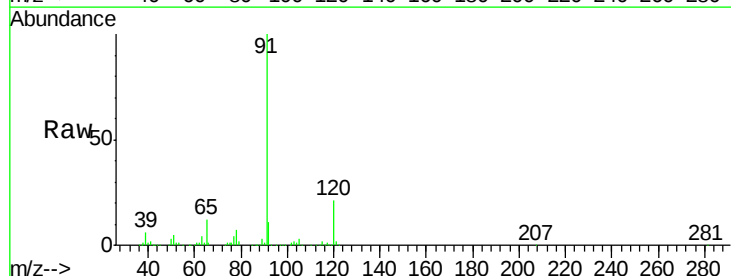
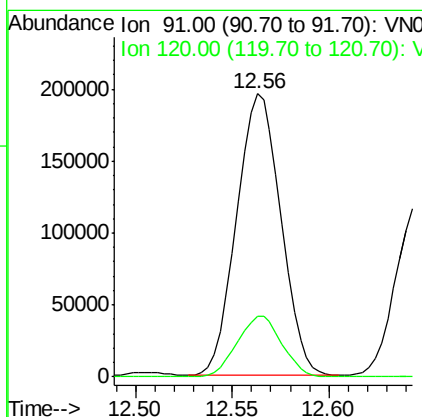
RT: 12.56 min Scan# 3366

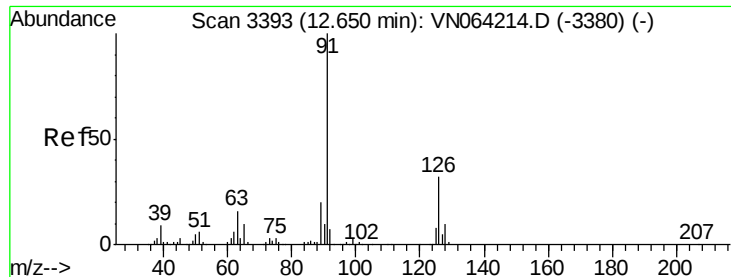
Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Tgt Ion:	91	Resp:	312455
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.109 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064239.D

Acq: 22 Oct 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS02

Tot Ion: 91 Resp: 200166

Ion Ratio Lower Upper

91 100

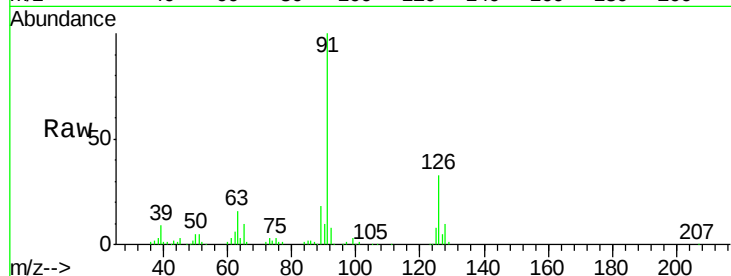
126 33.3 16.0 48.0

Manual Integrations

APPROVED

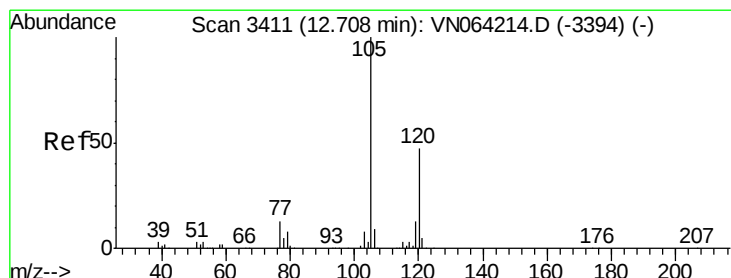
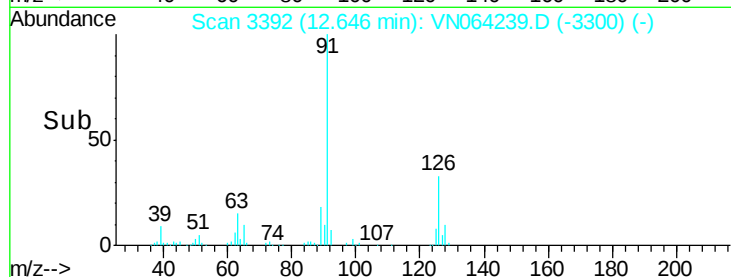
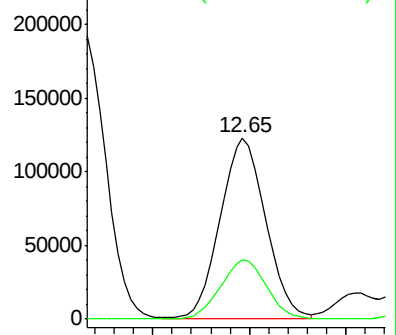
MMDadoda

10/23/2020 2:10:35 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064214.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064214.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.341 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064239.D

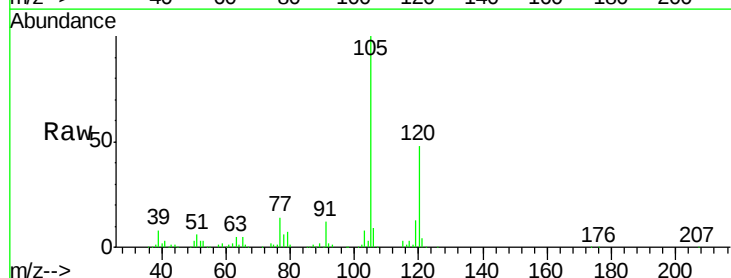
Acq: 22 Oct 2020 1:16

Tgt Ion: 105 Resp: 234529

Ion Ratio Lower Upper

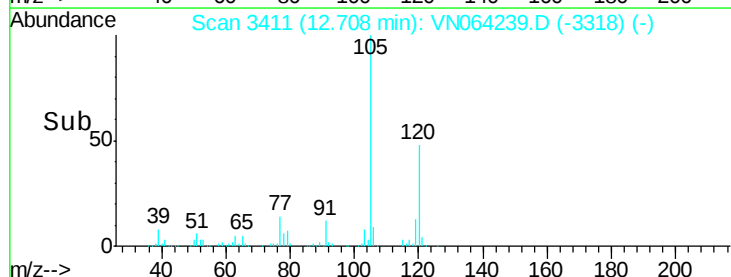
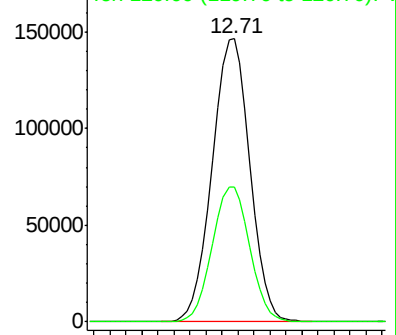
105 100

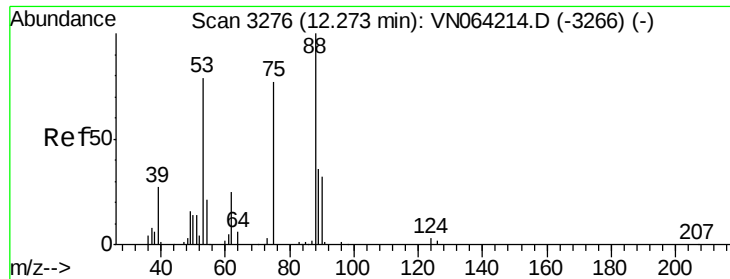
120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064214.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN064214.D (-3394) (-)





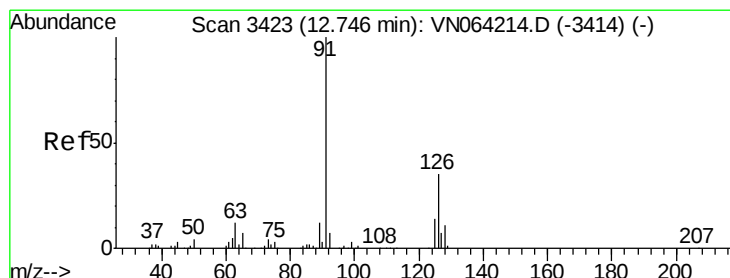
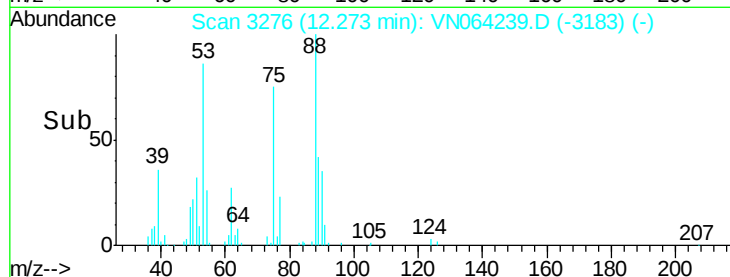
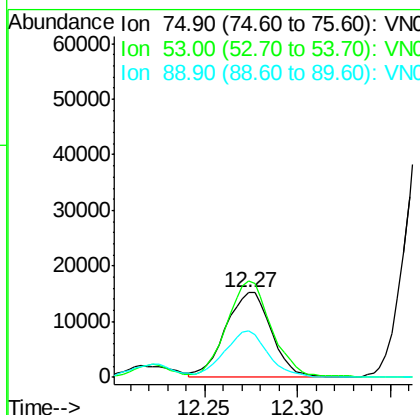
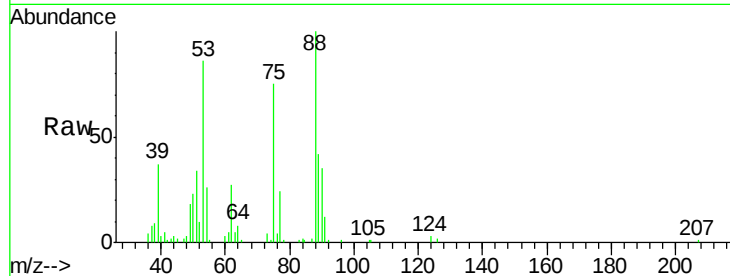
#81
trans-1,4-Dichloro-2-butene
Concen: 15.860 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	81.0	121.4
89	51.7	38.7	58.1

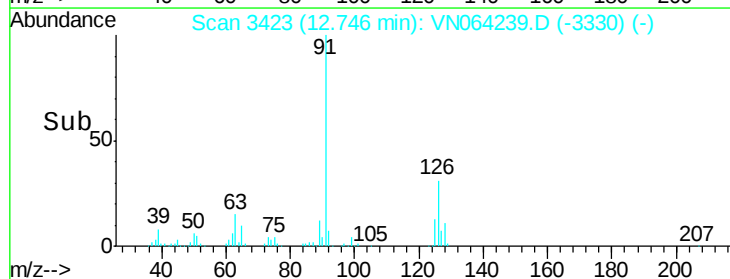
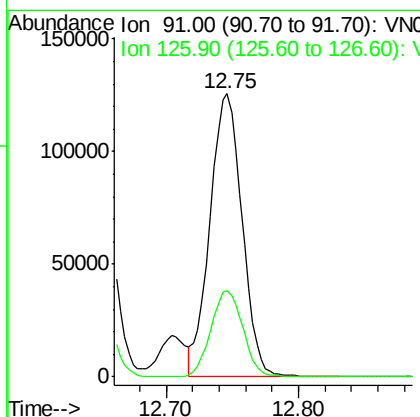
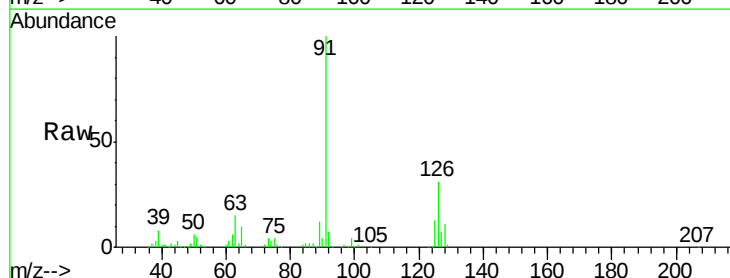
Manual Integrations
APPROVED

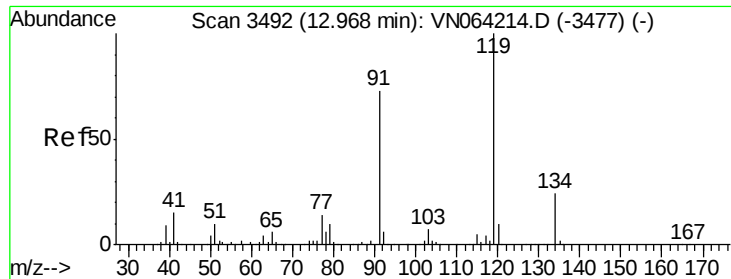
MMDadoda
10/23/2020 2:10:35 PM



#82
4-Chlorotoluene
Concen: 19.301 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.8	47.3





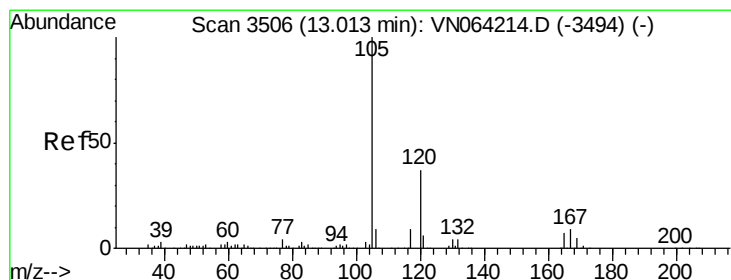
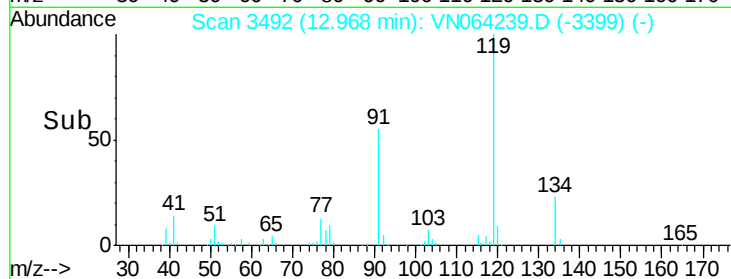
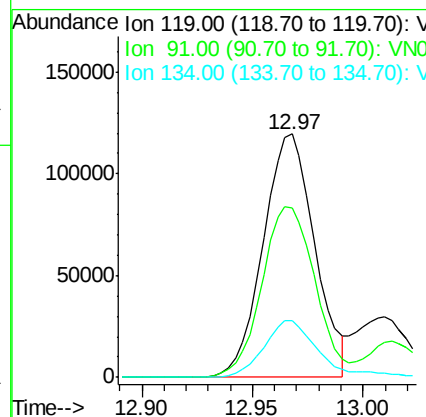
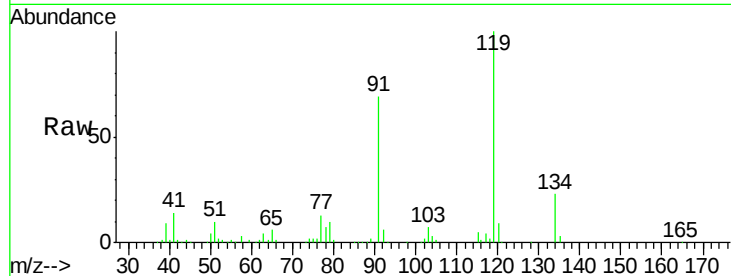
#83
tert-Butylbenzene
Concen: 18.501 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193966		
91	72.3	35.1	105.3	
134	24.8	11.6	34.8	

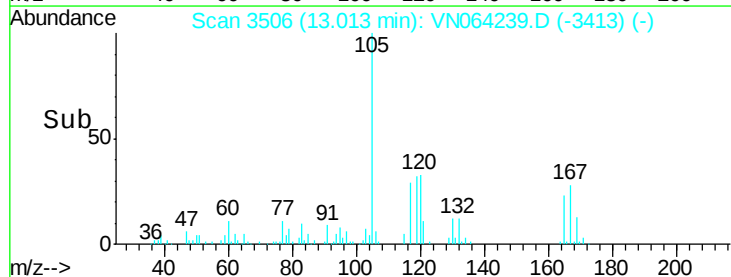
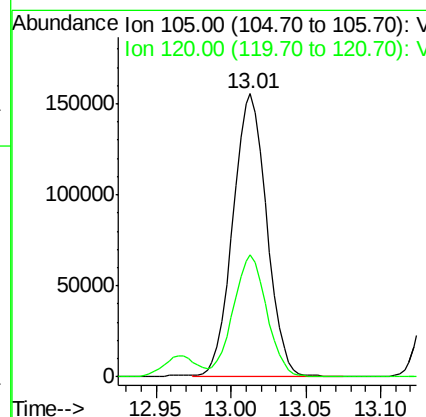
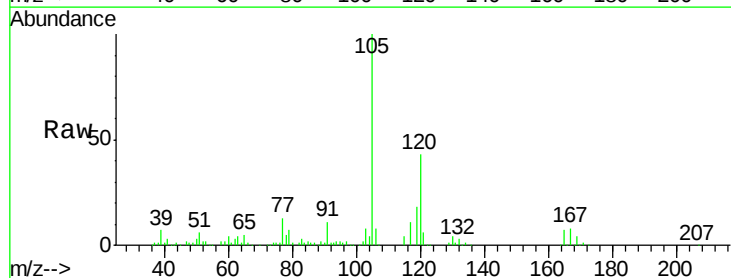
Manual Integrations
APPROVED

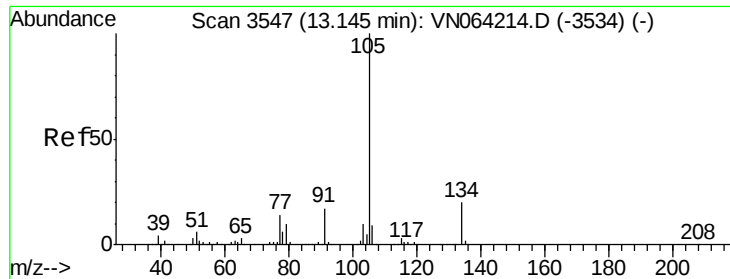
MMDadoda
10/23/2020 2:10:35 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.139 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243591		
120	43.1	21.5	64.5	





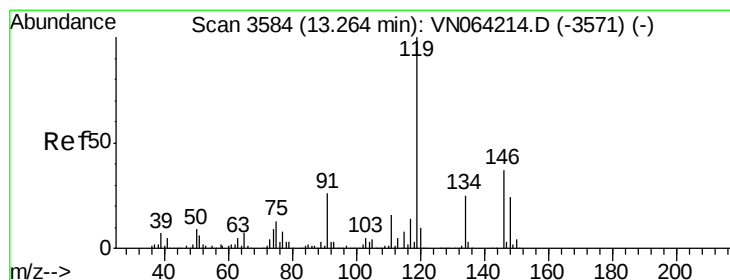
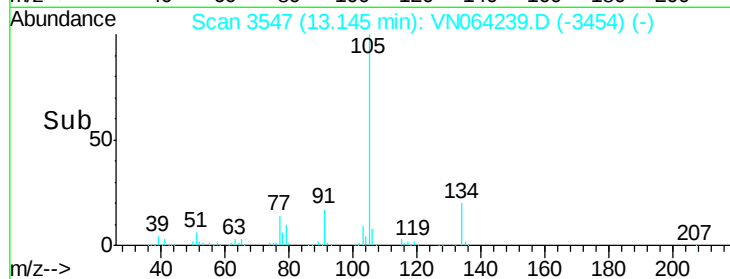
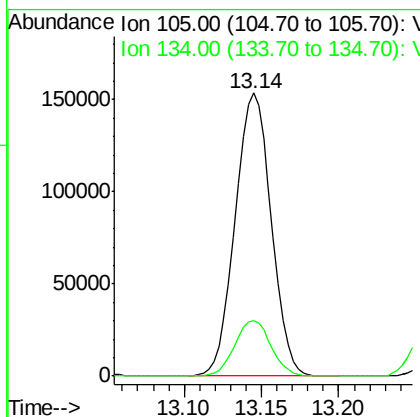
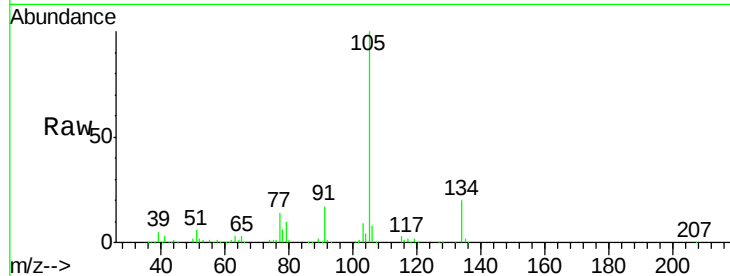
#85
 sec-Butylbenzene
 Concen: 18.733 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	247596		
134	19.8	9.7	29.1	

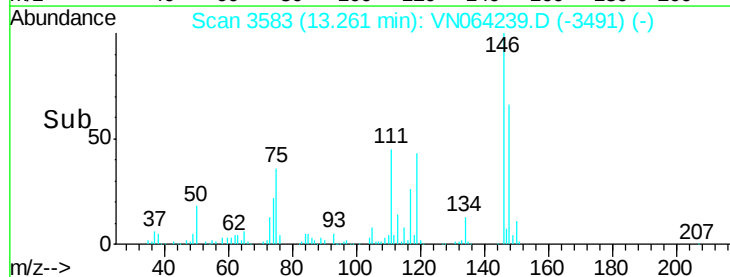
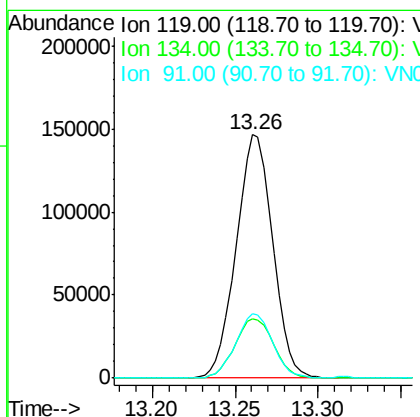
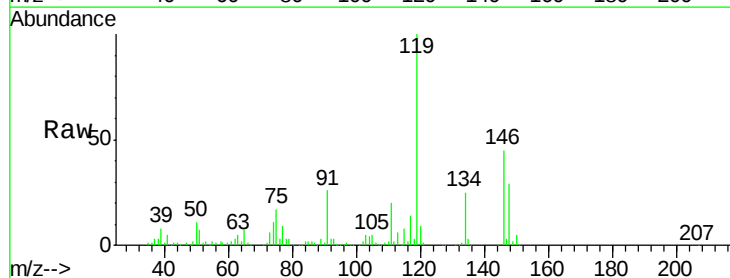
Manual Integrations
 APPROVED

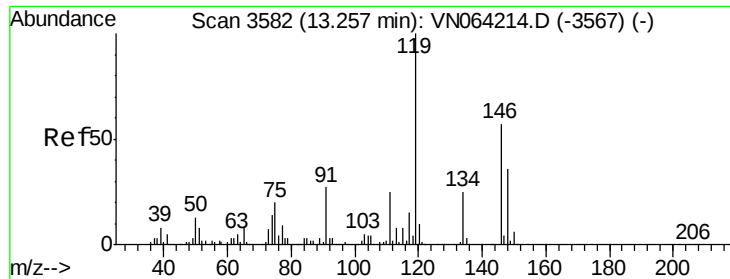
MMDadoda
 10/23/2020 2:10:35 PM



#86
 p-Isopropyltoluene
 Concen: 18.695 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	225015		
134	26.2	13.1	39.3	
91	26.7	13.4	40.2	





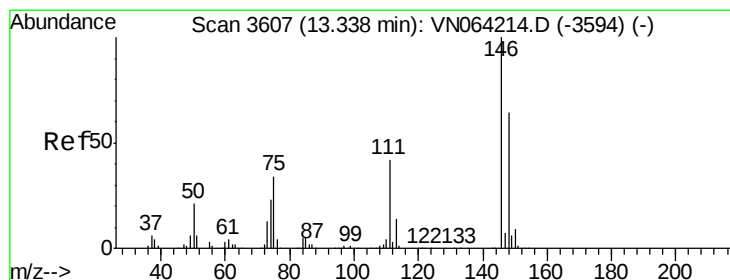
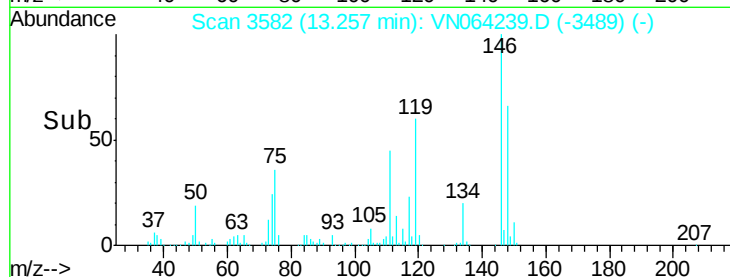
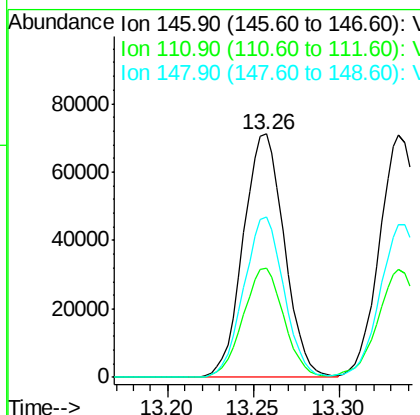
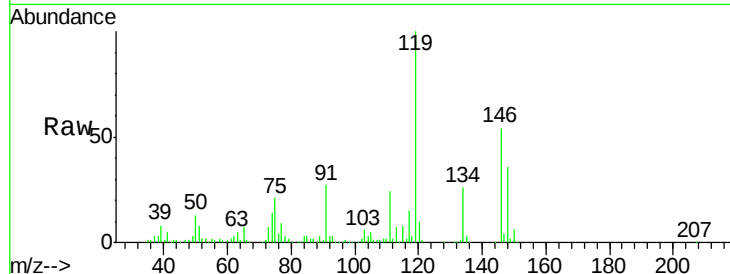
#87
 1,3-Dichlorobenzene
 Concen: 18.596 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118155		
111	44.6	21.6	65.0	
148	64.3	31.7	95.1	

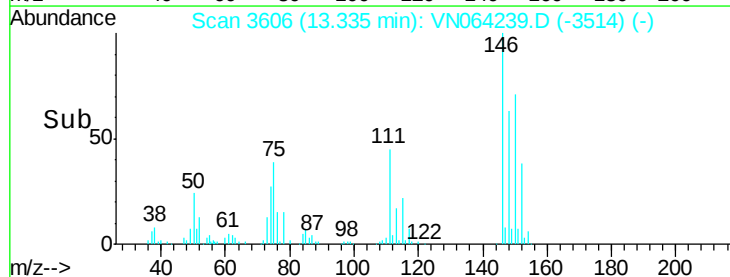
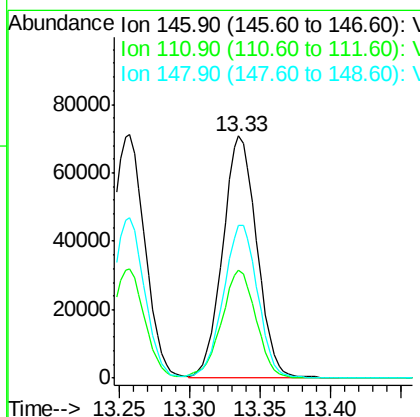
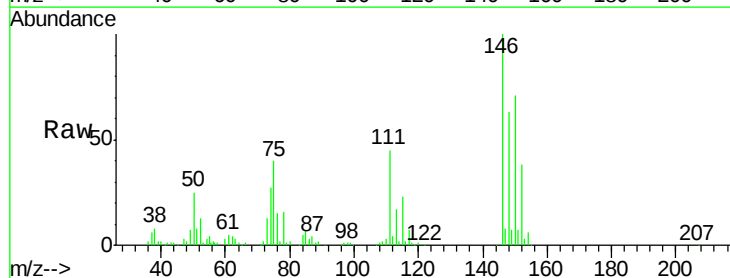
Manual Integrations
 APPROVED

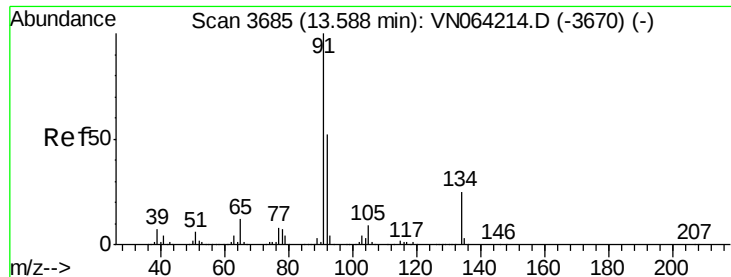
MMDadoda
 10/23/2020 2:10:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.398 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119647		
111	45.0	21.5	64.5	
148	63.8	32.0	96.0	





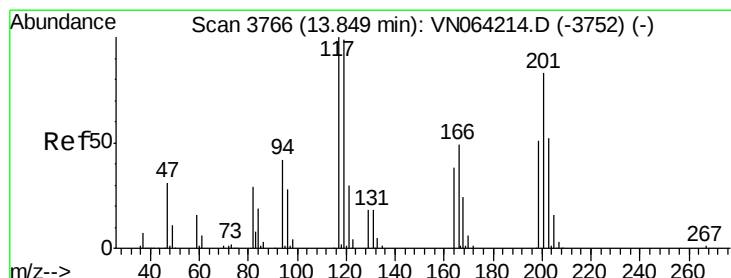
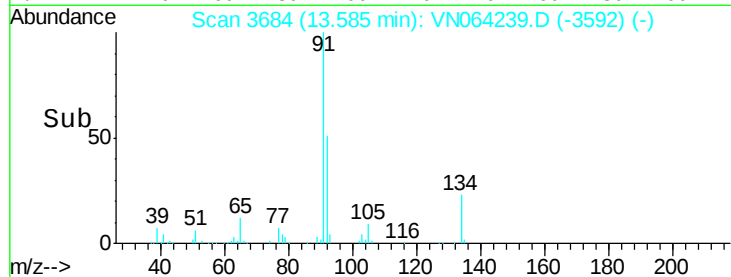
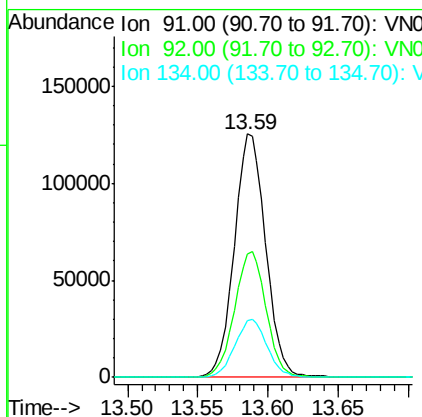
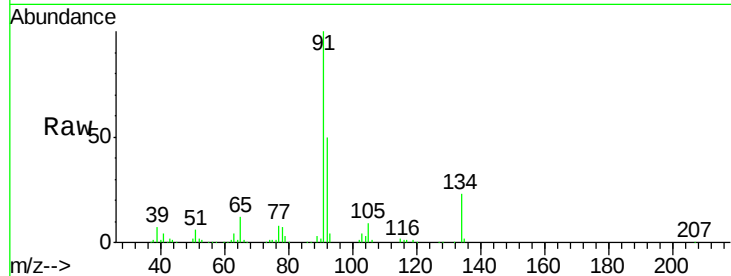
#89
n-Butylbenzene
Concen: 18.169 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	24.3	12.3	36.8

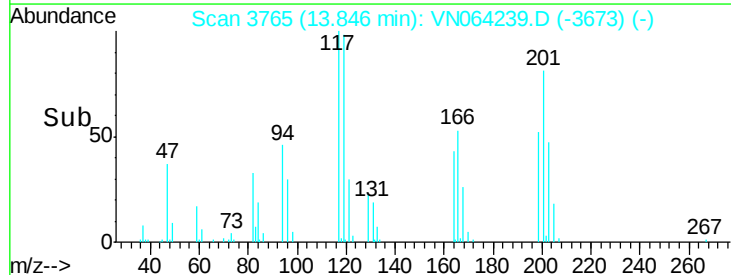
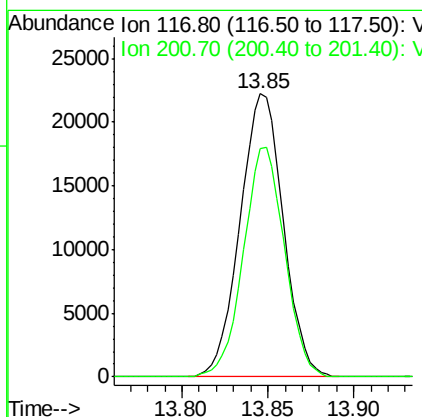
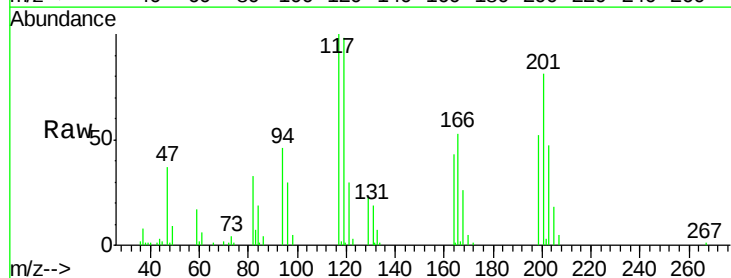
Manual Integrations
APPROVED

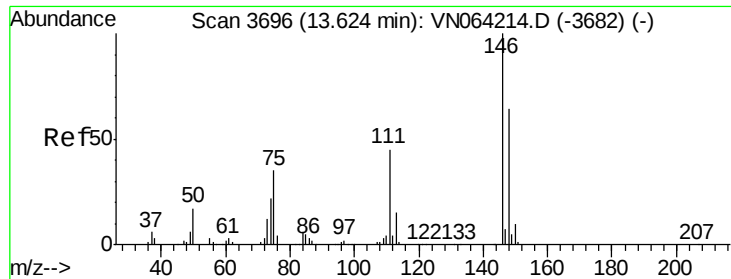
MMDadoda
10/23/2020 2:10:35 PM



#90
Hexachloroethane
Concen: 17.820 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	40.1	120.3





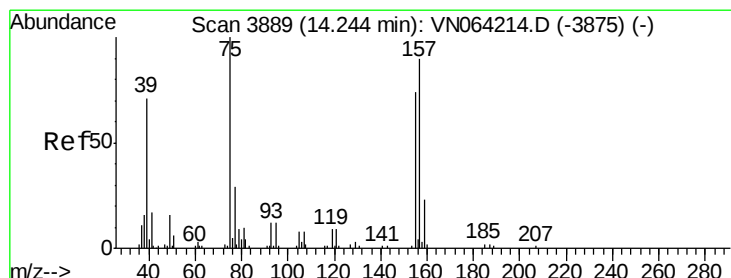
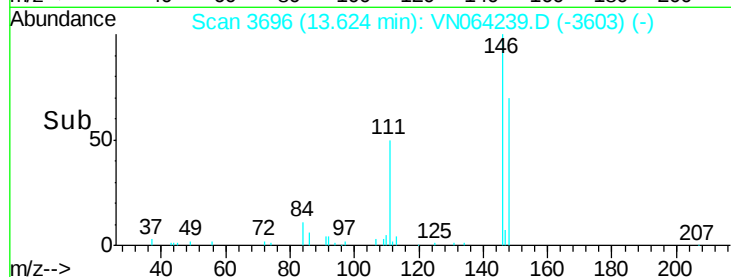
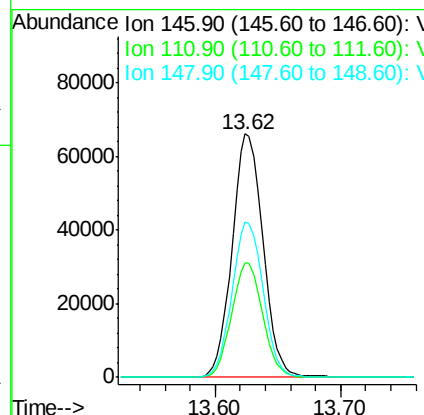
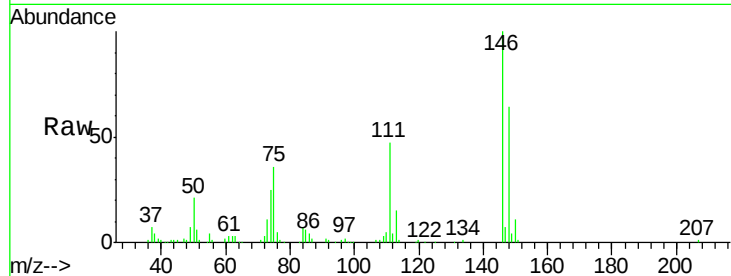
#91
 1,2-Dichlorobenzene
 Concen: 18.172 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.9	68.7
148	64.1	31.9	95.5

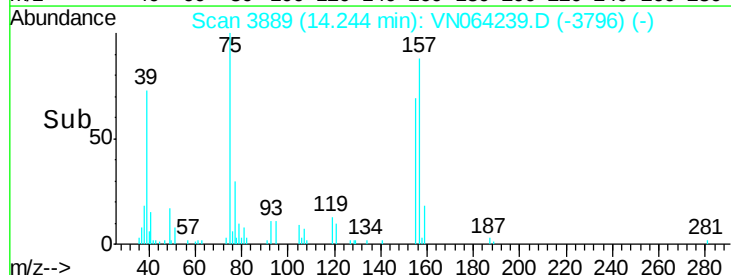
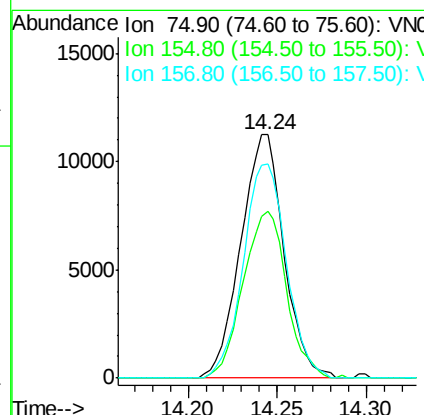
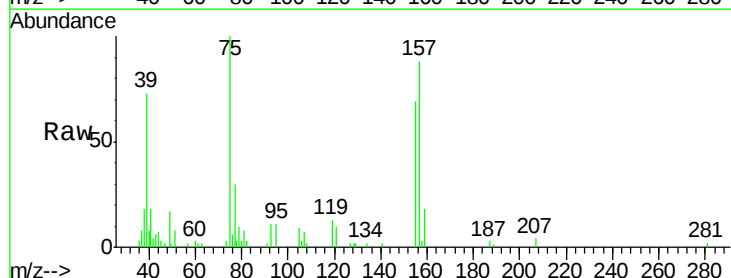
Manual Integrations
 APPROVED

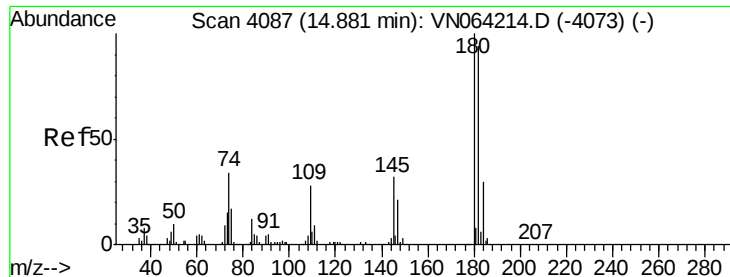
MMDadoda
 10/23/2020 2:10:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.931 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	36.9	110.7
157	87.9	44.6	133.8





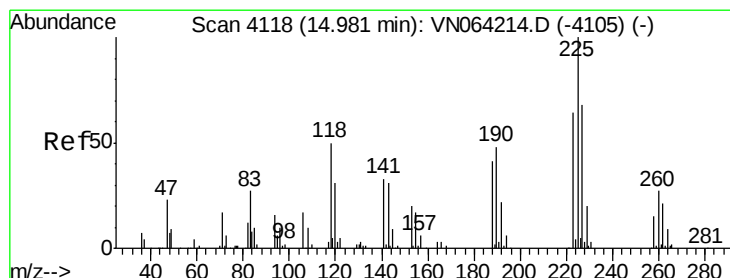
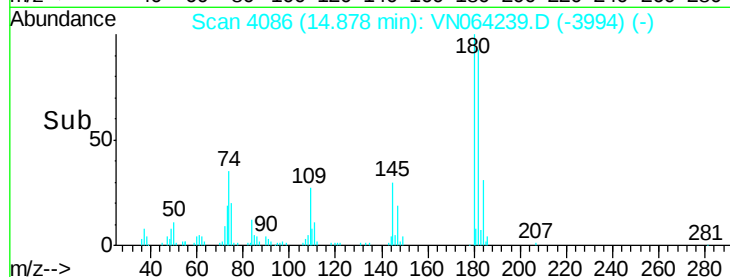
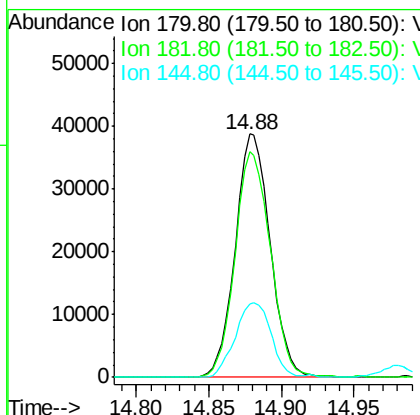
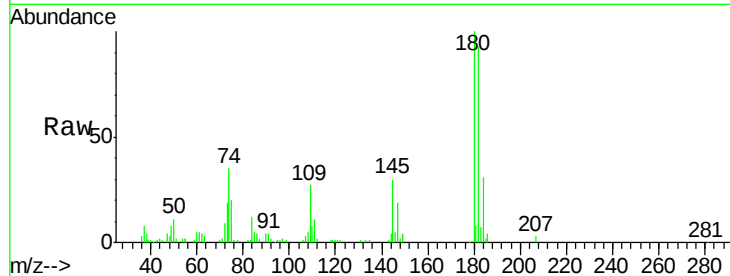
#93
 1,2,4-Trichlorobenzene
 Concen: 18.580 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.7
145	31.4	16.1	48.3

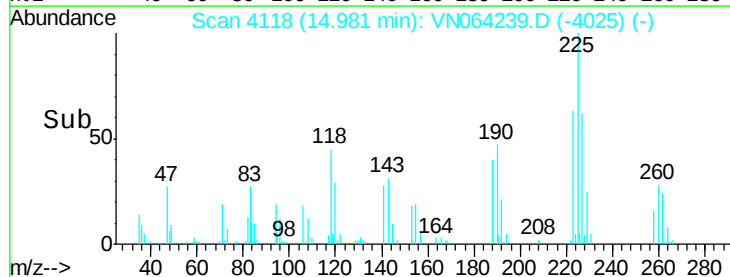
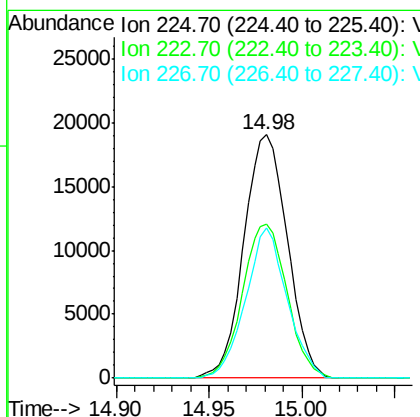
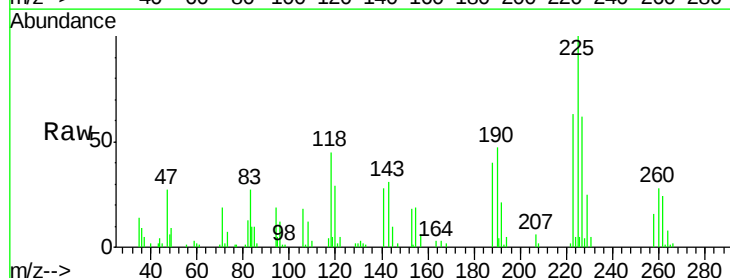
Manual Integrations
 APPROVED

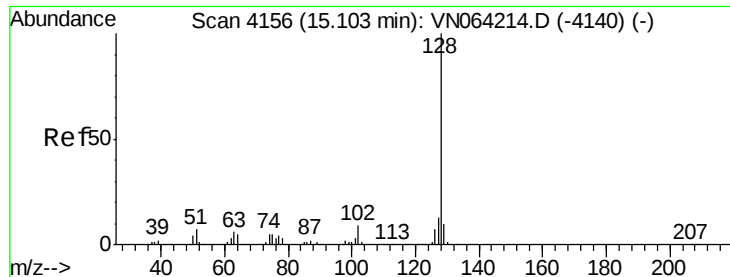
MMDadoda
 10/23/2020 2:10:35 PM



#94
 Hexachlorobutadiene
 Concen: 16.478 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064239.D
 Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.5	94.5
227	58.6	32.1	96.5





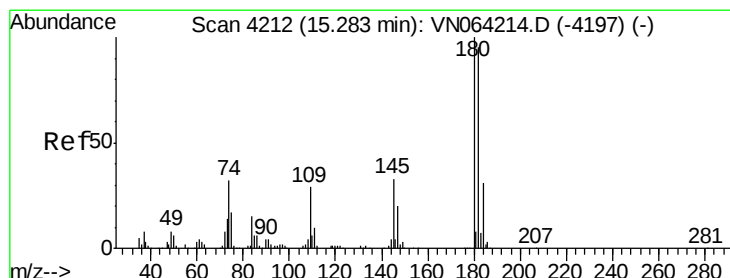
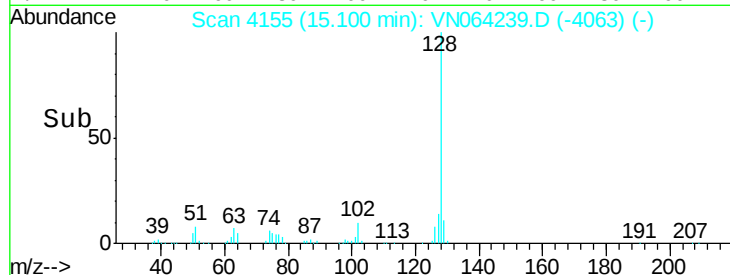
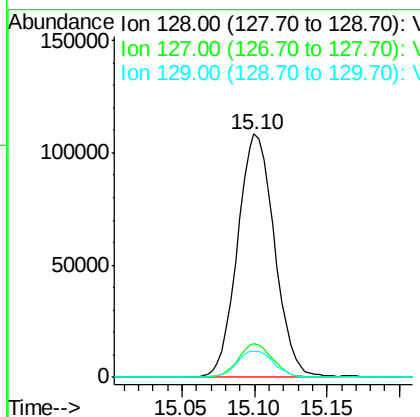
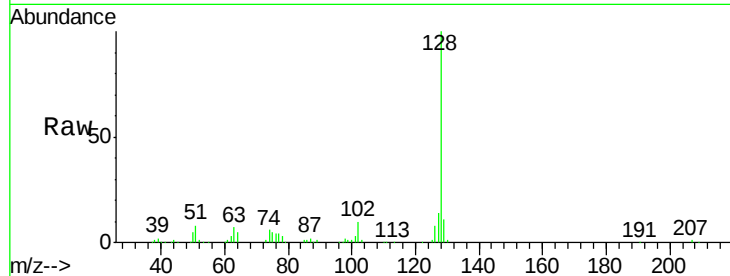
#95
Naphthalene
Concen: 18.356 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192177		
127	13.1	10.5	15.7	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.029 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064239.D
Acq: 22 Oct 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62426		
182	95.2	48.0	144.2	
145	36.1	17.1	51.3	

