

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064302.D
 Acq On : 23 Oct 2020 22:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:19 PM

Quant Time: Oct 26 02:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45063	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	263742	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	236568	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129193	32.85	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.50%
60) 4-Bromofluorobenzene	12.38	95	123796	29.40	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.00%
63) Toluene-d8	10.06	98	315532	29.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	52081	17.766	ug/l 99
3) Chloromethane	2.04	50	55523	17.933	ug/l 96
4) Vinyl Chloride	2.16	62	54626	17.563	ug/l 100
5) Bromomethane	2.54	94	35715	17.492	ug/l 95
6) Chloroethane	2.68	64	33524	18.379	ug/l 89
7) Trichlorofluoromethane	2.99	101	94909	18.040	ug/l 95
8) Diethyl Ether	3.38	74	31565	18.207	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.73	101	45339	17.289	ug/l # 88
10) 1,1-Dichloroethene	3.70	96	44435	17.671	ug/l 98
11) Methyl Iodide	3.91	142	57651	16.001	ug/l 93
12) Methyl Acetate	4.28	43	49988	17.000	ug/l 98
13) Acrolein	3.57	56	17192	71.250	ug/l 95
14) Acrylonitrile	4.93	53	93181	81.881	ug/l # 60
15) Acetone	3.77	58	26871m	73.765	ug/l
16) Carbon Disulfide	4.01	76	121535	16.682	ug/l 94
17) Allyl chloride	4.28	41	84648	17.560	ug/l 95
18) Methylene Chloride	4.51	84	52437	17.836	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	48545	16.983	ug/l 94
20) Diisopropyl ether	5.90	45	165905	18.061	ug/l 99
21) 1,1-Dichloroethane	5.80	63	100286	18.305	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	58083	17.713	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	41550	78.742	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	160954	18.430	ug/l # 68
25) Chloroform	7.33	83	108024	18.219	ug/l 93
26) Cyclohexane	7.62	56	70000	16.476	ug/l # 99
29) 1,1-Dichloropropene	7.76	75	75474	16.554	ug/l 97
30) 2-Butanone	6.78	43	154619	77.217	ug/l 99
31) 2,2-Dichloropropane	6.78	77	90557	15.870	ug/l # 85
32) 1,1,1-Trichloroethane	7.53	97	97752	16.779	ug/l 98
33) Carbon Tetrachloride	7.74	117	86822	16.636	ug/l 91
34) Benzene	8.00	78	210502	16.894	ug/l 99
35) Methacrylonitrile	7.13	41	37292	18.473	ug/l 96
36) 1,2-Dichloroethane	8.08	62	95383	17.955	ug/l 100
37) Trichloroethene	8.80	130	59174	17.257	ug/l 89
38) Methylcyclohexane	9.05	83	62997	15.135	ug/l 96
39) 1,2-Dichloropropane	9.08	63	57056	17.129	ug/l 95
40) Dibromomethane	9.17	93	39380	16.898	ug/l 90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064302.D
 Acq On : 23 Oct 2020 22:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:19 PM

Quant Time: Oct 26 02:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	88557	17.523	ug/l	89
42) Vinyl Acetate	5.85	43	754257	85.402	ug/l	99
43) Ethyl Acetate	6.88	43	72292	17.054	ug/l #	87
44) Isopropyl Acetate	8.13	43	130324	17.142	ug/l #	84
45) 1,4-Dioxane	9.16	88	13494	290.609	ug/l	98
46) Methyl methacrylate	9.17	41	63865	17.373	ug/l	95
47) n-amyl Acetate	12.04	43	111670	17.023	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	96724	17.143	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	95241	16.253	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	57009	18.571	ug/l	94
51) Ethyl methacrylate	10.40	69	80134	16.971	ug/l	88
52) 1,3-Dichloropropane	10.68	76	91515	16.859	ug/l	98
53) Dibromochloromethane	10.87	129	64904	16.923	ug/l	91
54) 1,2-Dibromoethane	10.98	107	56662	17.273	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	206761	90.125	ug/l	99
56) Bromoform	12.10	173	45017	16.601	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	346886	85.080	ug/l	99
59) 2-Hexanone	10.72	43	244852	79.205	ug/l	98
61) Tetrachloroethene	10.60	164	57714	17.461	ug/l	93
62) Toluene	10.13	91	237580	17.446	ug/l	97
64) Chlorobenzene	11.41	112	144085	17.056	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	58090	17.214	ug/l	96
66) Ethyl Benzene	11.48	91	267847	17.155	ug/l	98
67) m/p-Xylenes	11.59	106	196235	33.892	ug/l	100
68) o-Xylene	11.92	106	93170	16.572	ug/l	99
69) Styrene	11.94	104	157706	16.847	ug/l	99
70) Isopropylbenzene	12.22	105	251723	16.935	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	66017	16.558	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	74768m	18.059	ug/l	
73) Bromobenzene	12.50	156	64177	17.749	ug/l	93
74) n-propylbenzene	12.57	91	282991	16.593	ug/l	98
75) 2-Chlorotoluene	12.65	91	180240	17.115	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	211976	16.826	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	24113	15.061	ug/l	83
78) 4-Chlorotoluene	12.75	91	183114	16.678	ug/l	100
79) tert-butylbenzene	12.97	119	170966	16.605	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	219750	17.187	ug/l	99
81) sec-Butylbenzene	13.14	105	220626	16.507	ug/l	99
82) p-Isopropyltoluene	13.26	119	201232	16.407	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	105859	16.599	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	101132	15.573	ug/l	95
85) n-Butylbenzene	13.59	91	173646	16.089	ug/l	95
86) Hexachloroethane	13.85	117	32737	15.807	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	106050	17.043	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	16001	16.470	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	54680	15.404	ug/l	92
90) Hexachlorobutadiene	14.98	225	29053	14.947	ug/l	98
91) Naphthalene	15.10	128	171236	16.496	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	55558	16.321	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064302.D
Acq On : 23 Oct 2020 22:02
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

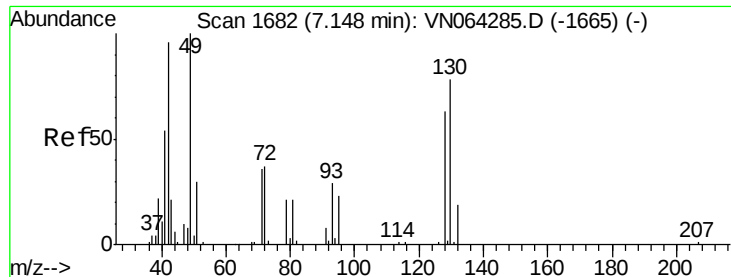
Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM

Quant Time: Oct 26 02:54:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 01:30:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

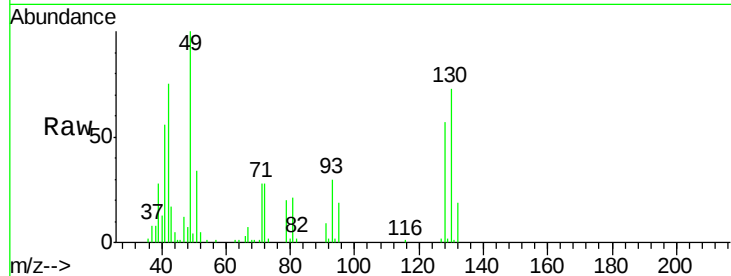
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	45063
Ion	Ratio	Lower	Upper
128	100		
49	180.1	0.0	445.0
130	129.6	0.0	320.2

Manual Integrations
APPROVED

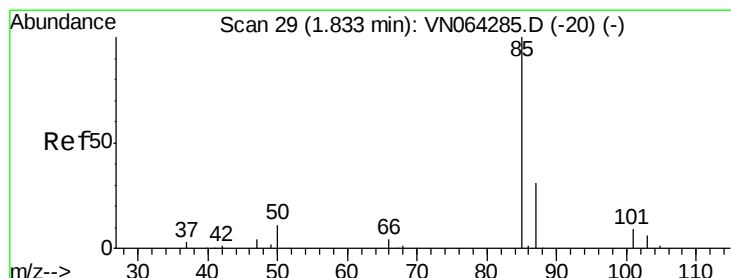
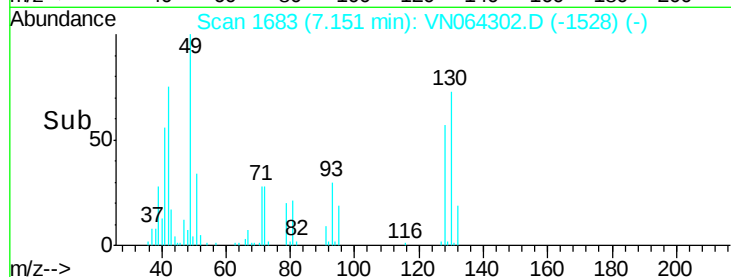
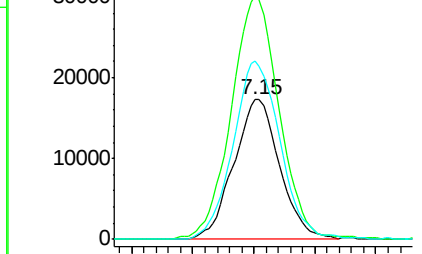
MMDadoda
10/26/2020 1:39:19 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.766 ug/l

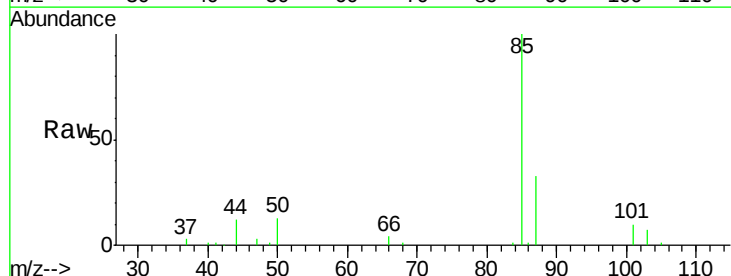
RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064302.D

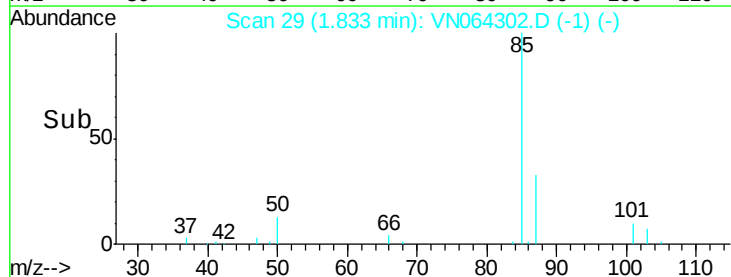
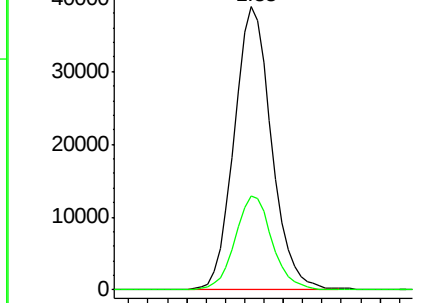
Acq: 23 Oct 2020 22:02

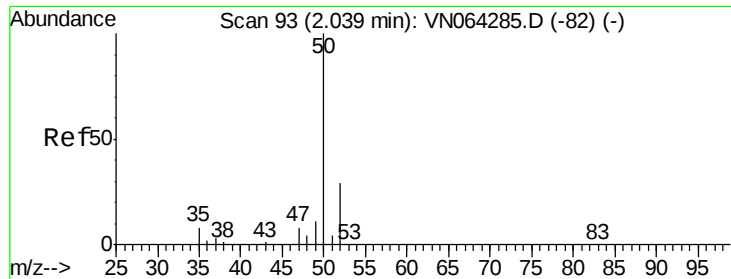
Tgt Ion:	85	Resp:	52081
Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.4	49.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.933 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 55523

Ion Ratio Lower Upper

50 100

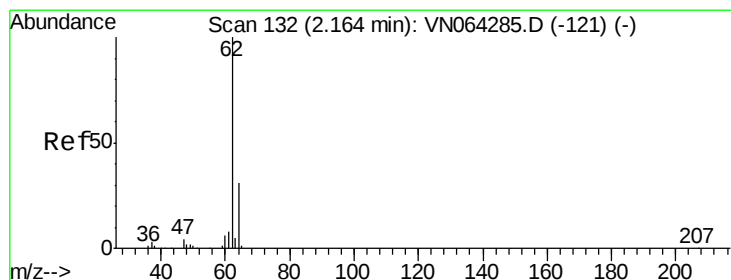
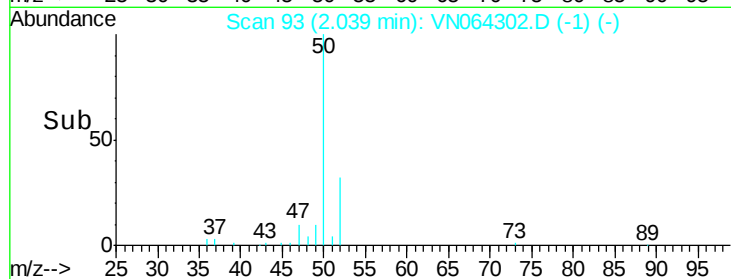
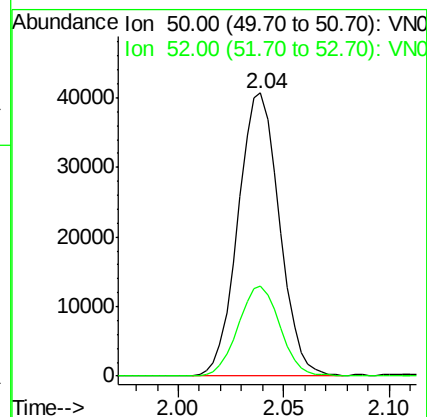
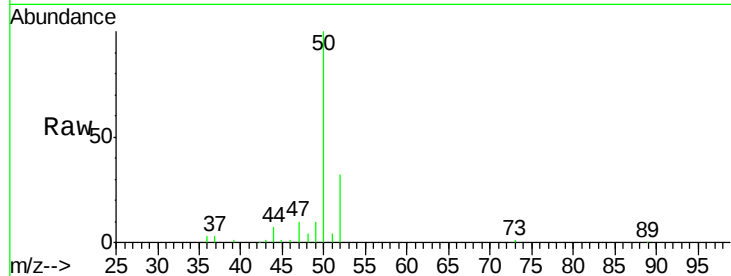
52 31.7 27.1 40.7

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:19 PM



#4

Vinyl Chloride

Concen: 17.563 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064302.D

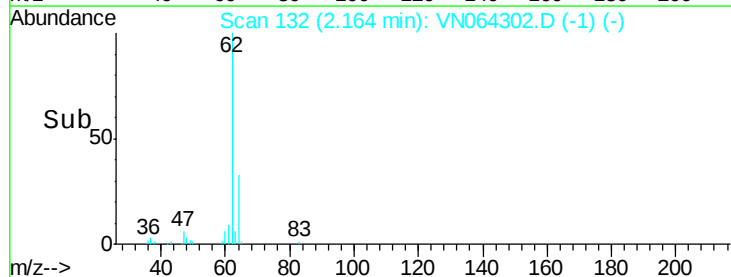
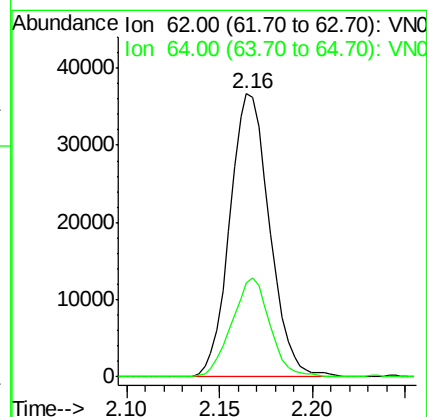
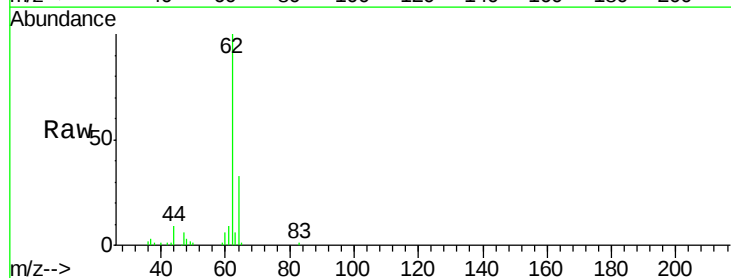
Acq: 23 Oct 2020 22:02

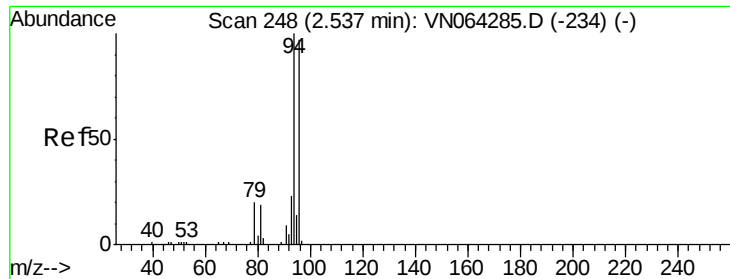
Tgt Ion: 62 Resp: 54626

Ion Ratio Lower Upper

62 100

64 33.0 26.6 39.8





#5

Bromomethane

Concen: 17.492 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 35715

Ion Ratio Lower Upper

94 100

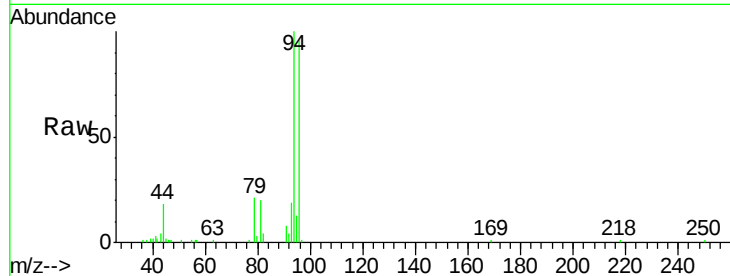
96 95.6 72.4 108.6

Manual Integrations

APPROVED

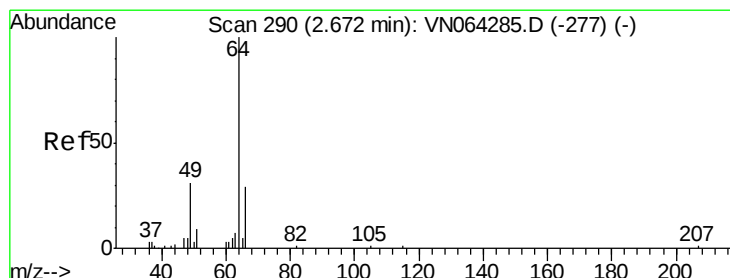
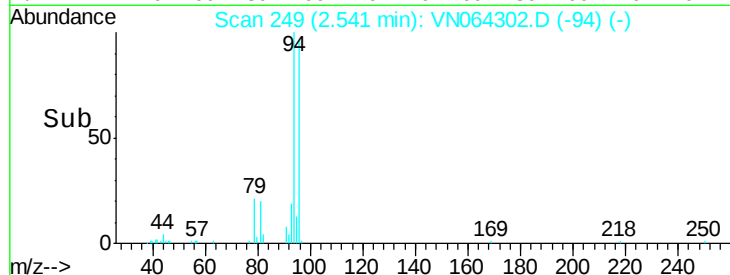
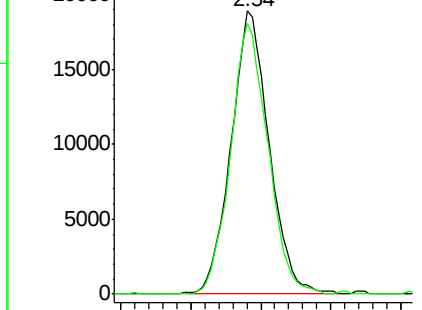
MMDadoda

10/26/2020 1:39:19 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.379 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064302.D

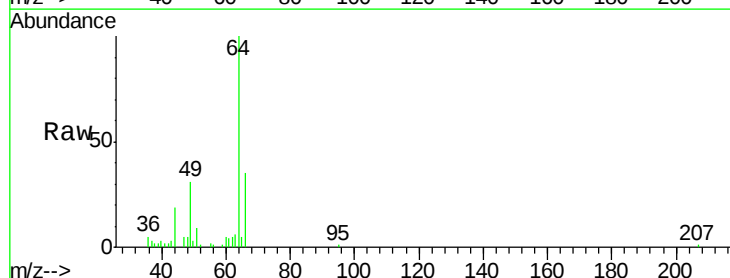
Acq: 23 Oct 2020 22:02

Tgt Ion: 64 Resp: 33524

Ion Ratio Lower Upper

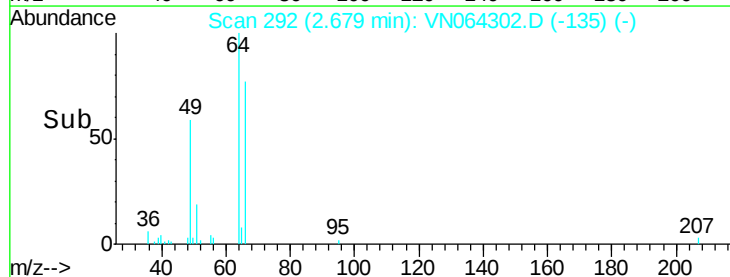
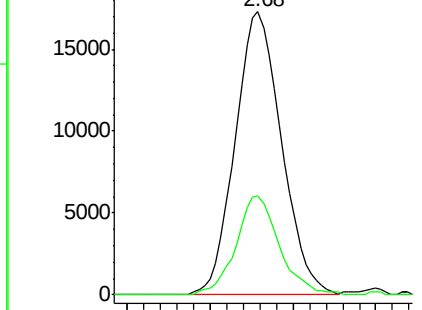
64 100

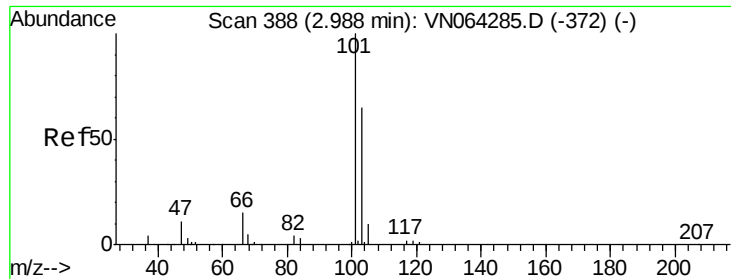
66 35.1 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

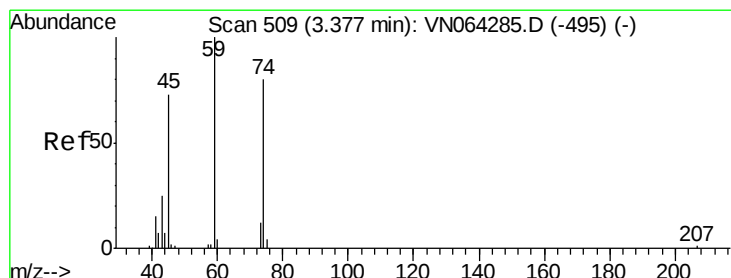
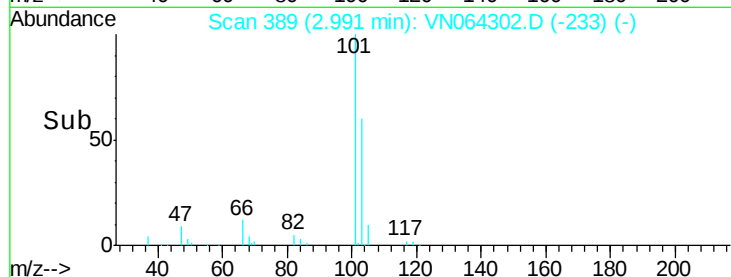
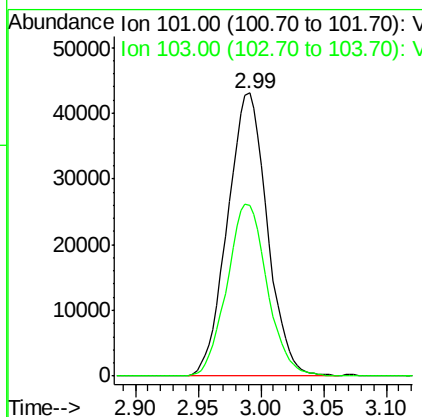
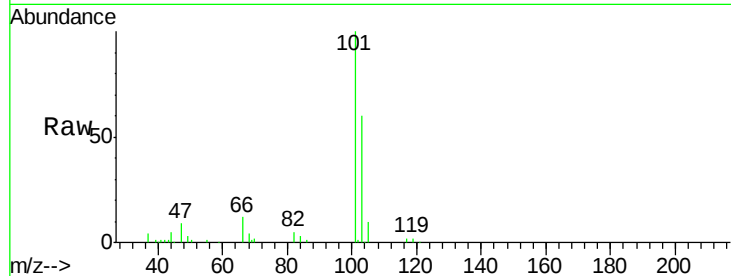
Trichlorofluoromethane
 Concen: 18.040 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	51.4	77.0

Manual Integrations
 APPROVED

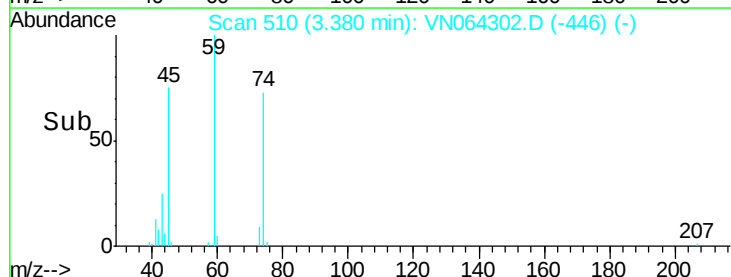
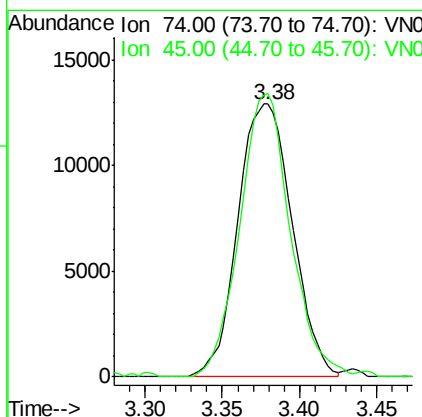
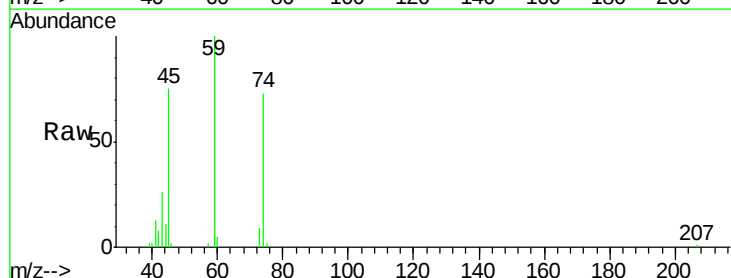
MMDadoda
 10/26/2020 1:39:19 PM

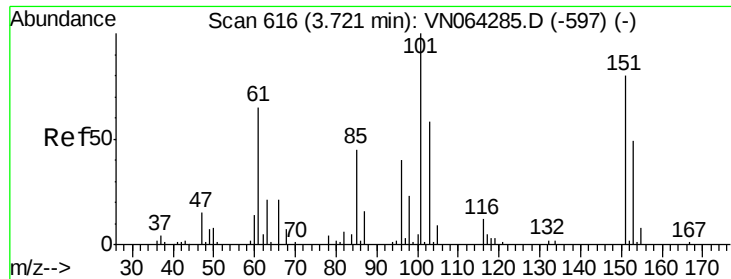


#8

Diethyl Ether
 Concen: 18.207 ug/l
 RT: 3.38 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	21.3	191.3





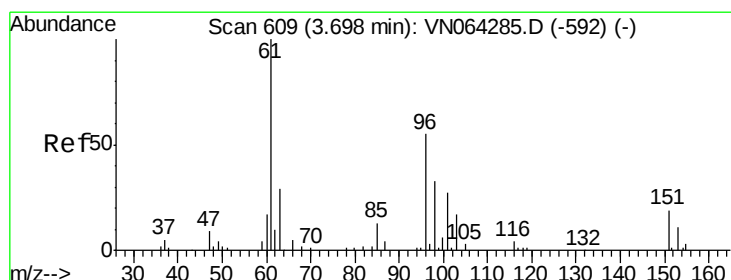
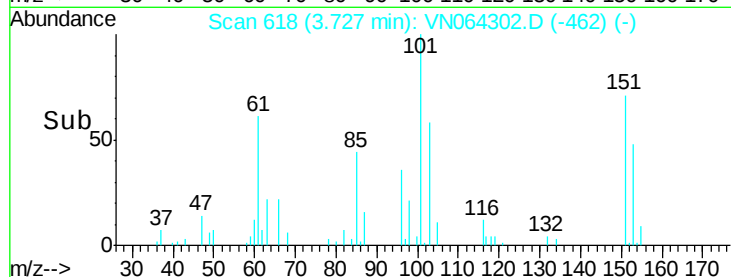
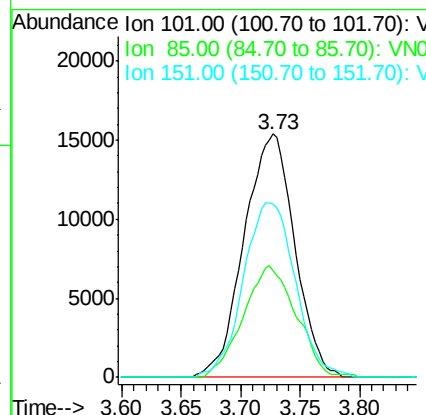
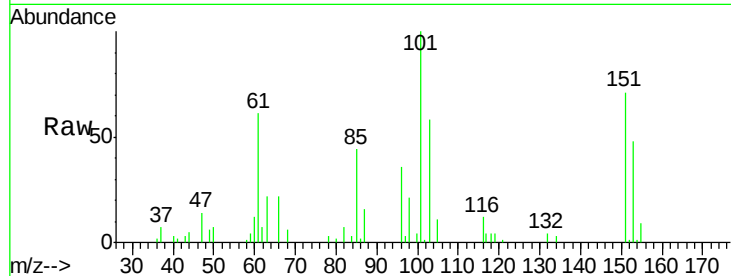
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.289 ug/l
 RT: 3.73 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.5	0.0	47.4#
151	73.5	0.0	148.4

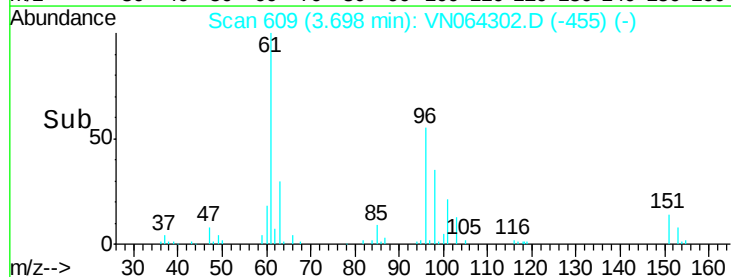
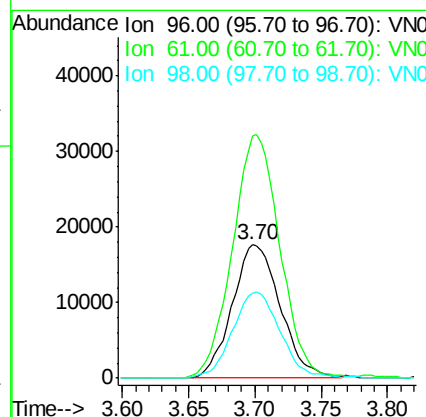
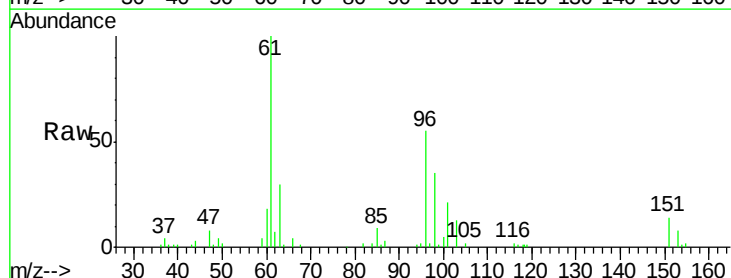
Manual Integrations
 APPROVED

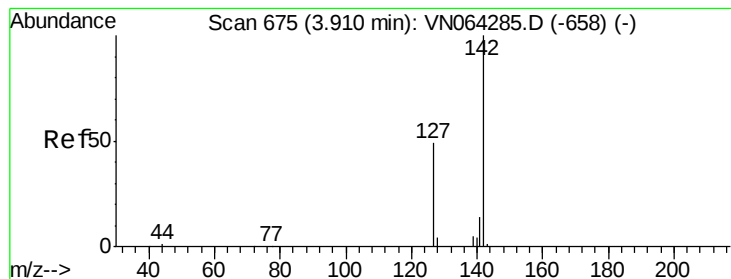
MMDadoda
 10/26/2020 1:39:19 PM



#10
 1,1-Dichloroethene
 Concen: 17.671 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.3	144.2	216.4
98	63.6	47.4	71.0





#11

Methvl Iodide

Concen: 16.001 ug/l

RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

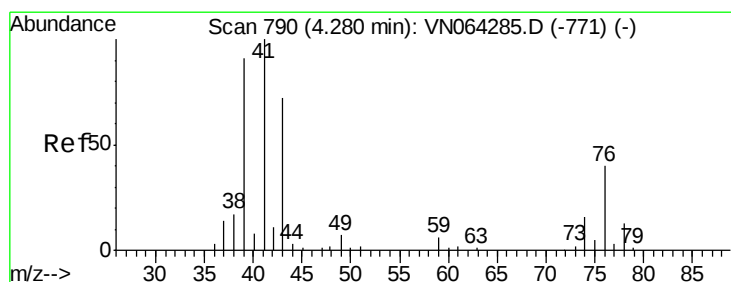
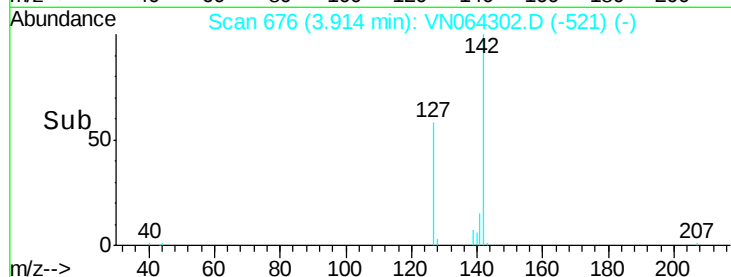
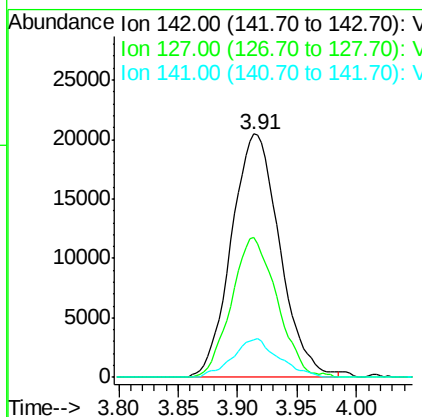
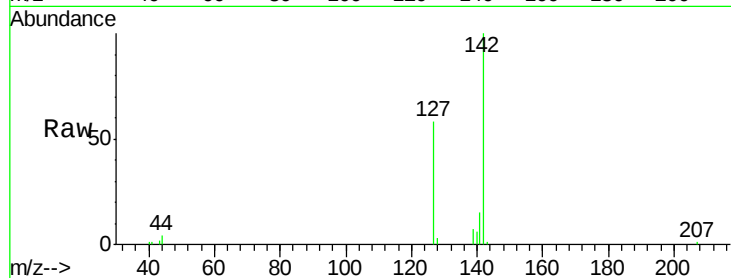
ClientSampleId :

VSTDCCC020EC

Tot Ion:	142	Resp:	57651
Ion Ratio	Lower	Upper	
142	100		
127	58.2	25.9	77.8
141	15.4	7.5	22.6

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#12

Methyl Acetate

Concen: 17.000 ug/l

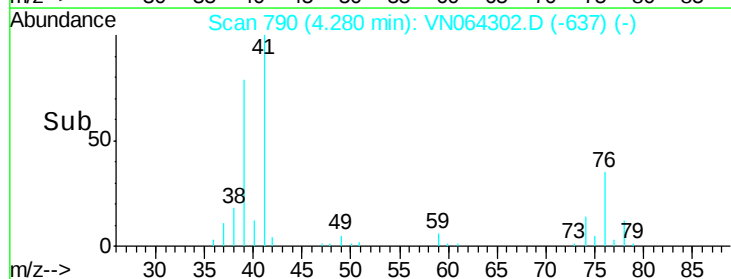
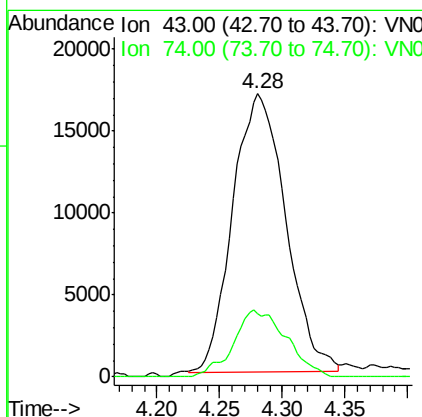
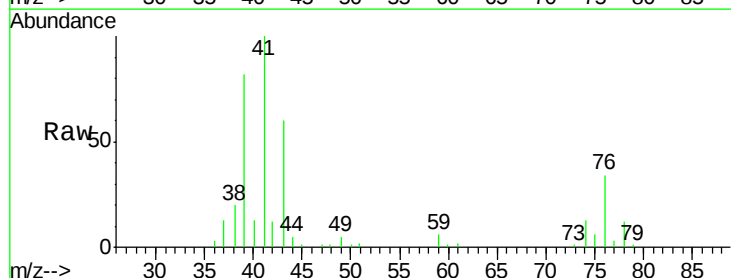
RT: 4.28 min Scan# 790

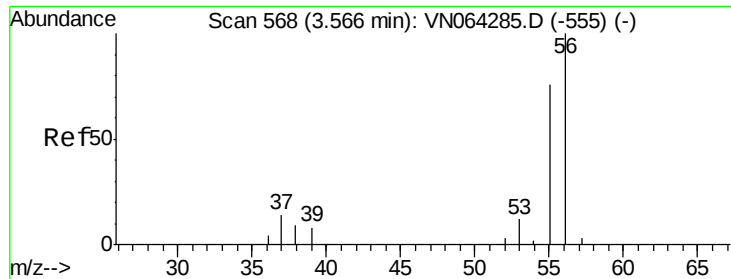
Delta R.T. -0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	43	Resp:	49988
Ion Ratio	Lower	Upper	
43	100		
74	23.0	19.0	28.6





#13

Acrolein

Concen: 71.250 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 17192

Ion Ratio Lower Upper

56 100

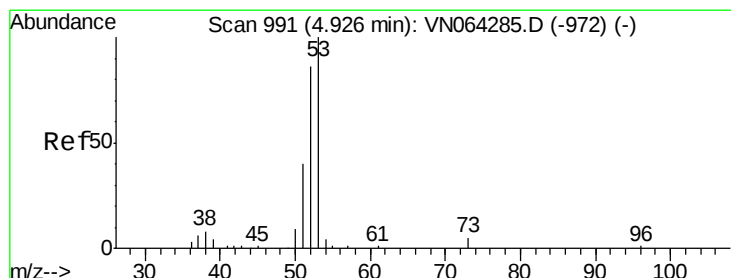
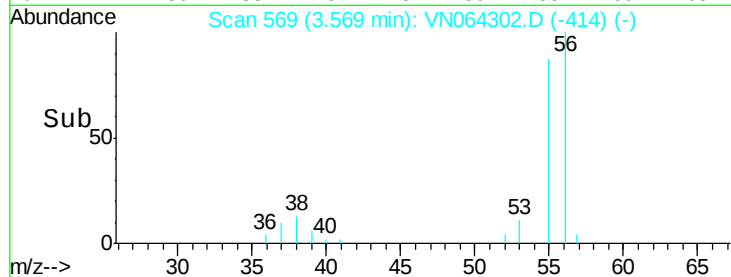
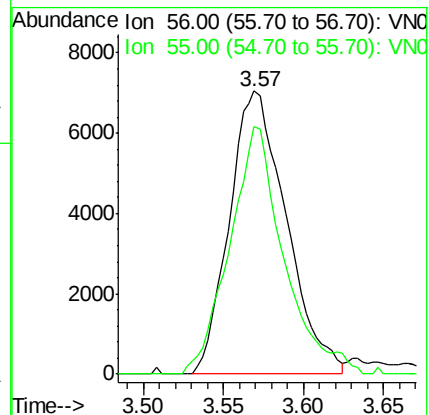
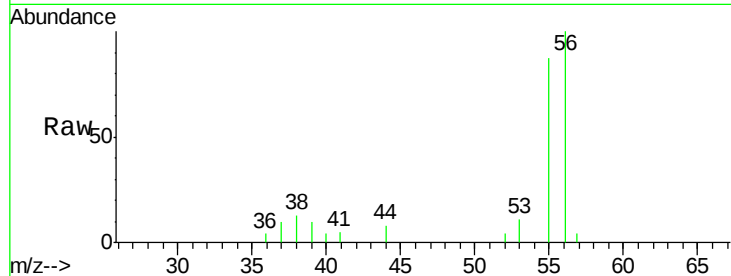
55 81.0 61.0 91.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:19 PM



#14

Acrylonitrile

Concen: 81.881 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

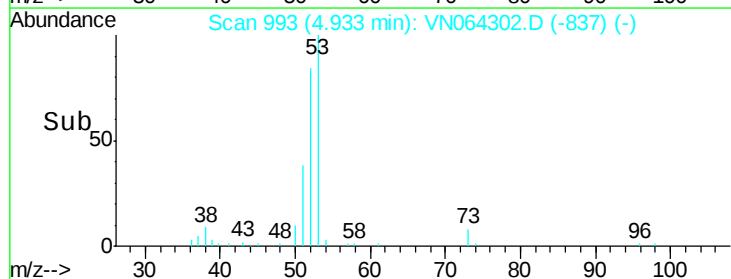
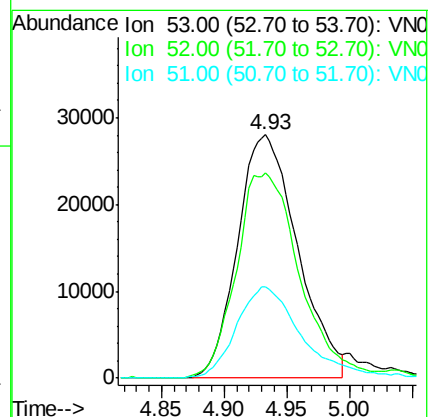
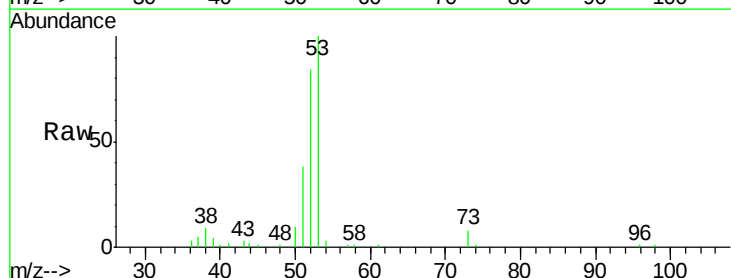
Tgt Ion: 53 Resp: 93181

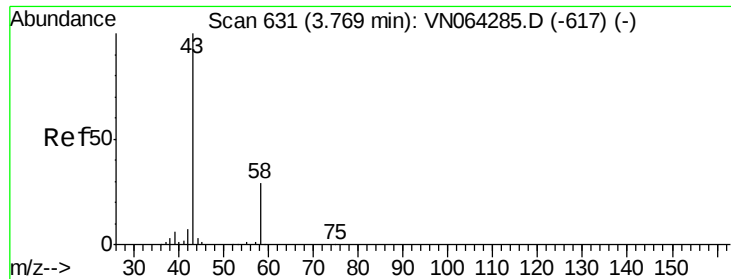
Ion Ratio Lower Upper

53 100

52 32.7 41.7 125.1#

51 40.3 18.9 56.7





#15

Acetone

Concen: 73.765 ug/l m

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 26871

Ion Ratio Lower Upper

58 100

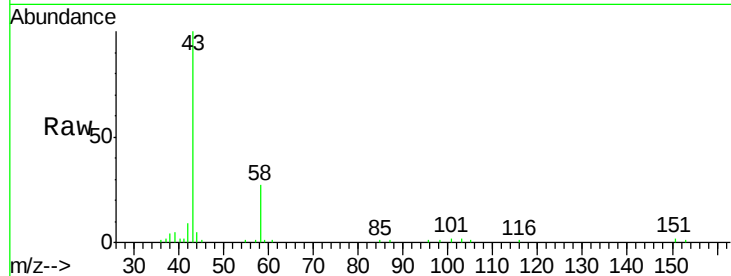
43 377.1 297.4 446.0

Manual Integrations

APPROVED

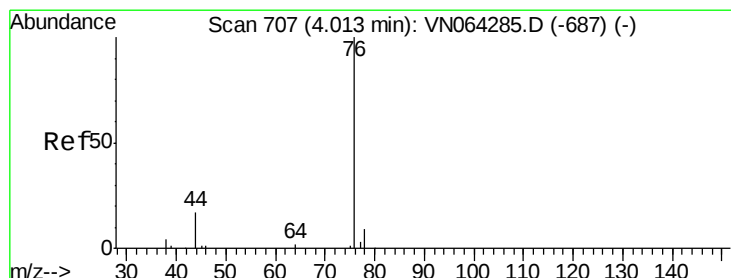
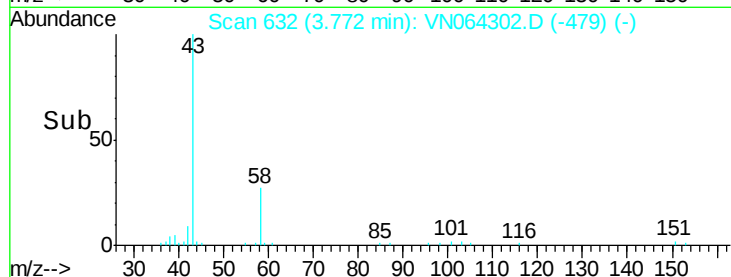
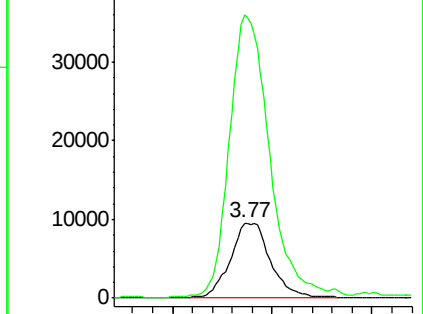
MMDadoda

10/26/2020 1:39:19 PM



Abundance Ion 58.00 (57.70 to 58.70): VN064302.D (-479) (-)

Ion 43.00 (42.70 to 43.70): VN064302.D (-479) (-)



#16

Carbon Disulfide

Concen: 16.682 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064302.D

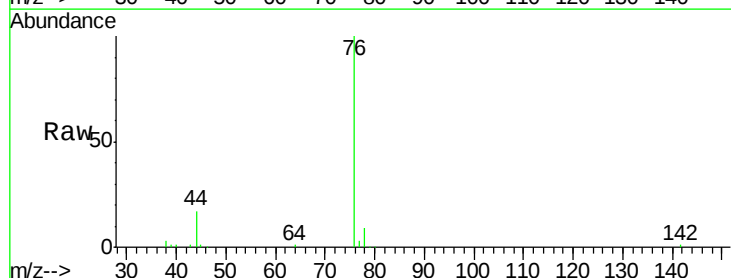
Acq: 23 Oct 2020 22:02

Tgt Ion: 76 Resp: 121535

Ion Ratio Lower Upper

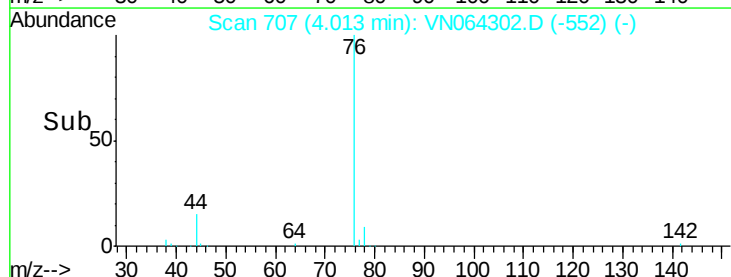
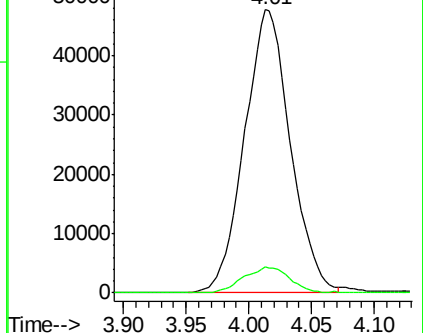
76 100

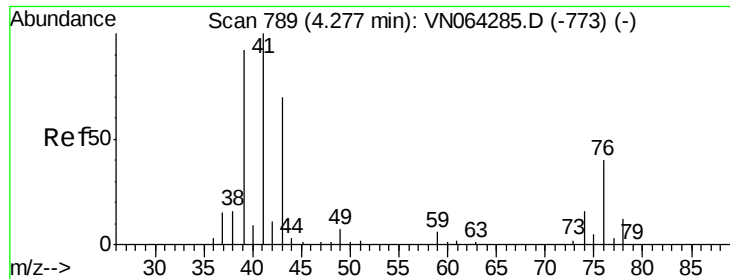
78 9.0 9.0 13.4



Abundance Ion 76.00 (75.70 to 76.70): VN064302.D (-552) (-)

Ion 78.00 (77.70 to 78.70): VN064302.D (-552) (-)





#17

Allvl chloride

Concen: 17.560 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

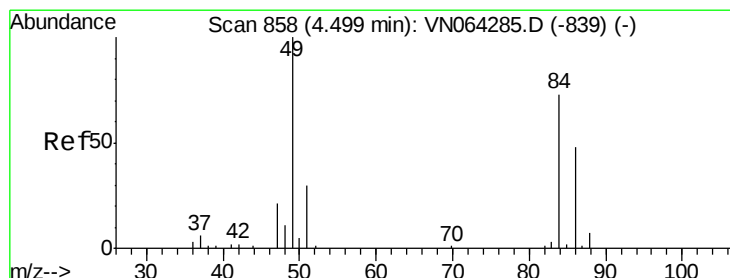
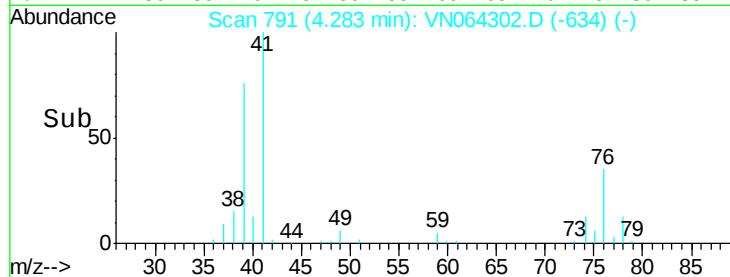
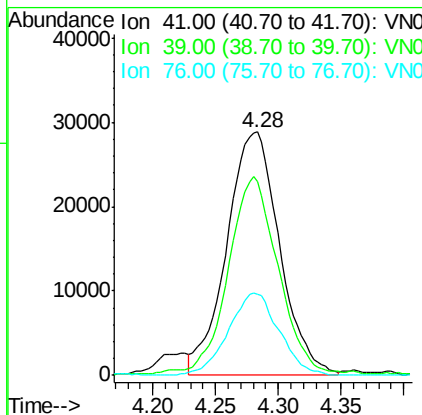
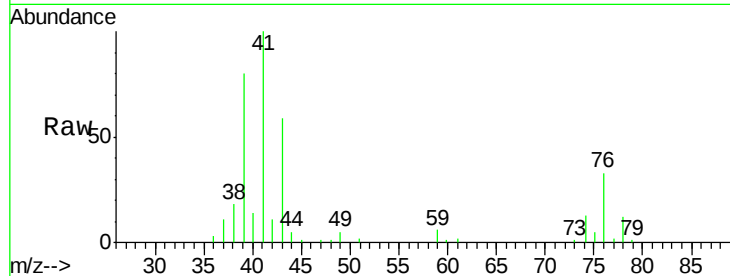
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	84648
Ion	Ratio	Lower	Upper
41	100		
39	79.0	39.9	119.6
76	33.8	21.4	64.2

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#18

Methylene Chloride

Concen: 17.836 ug/l

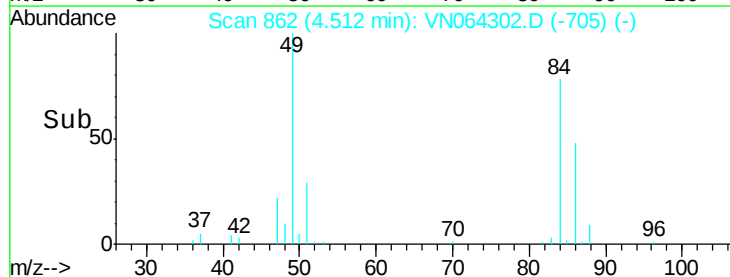
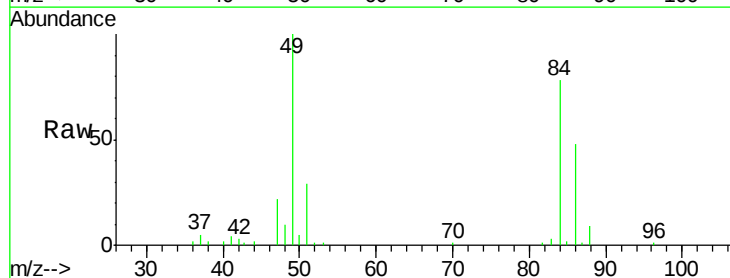
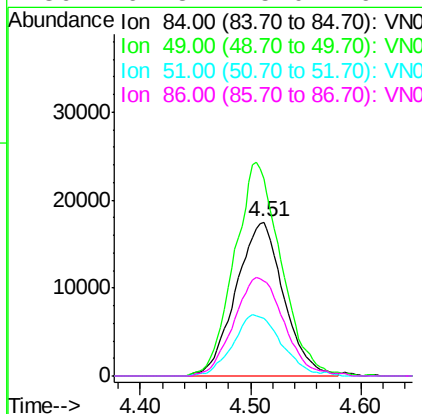
RT: 4.51 min Scan# 862

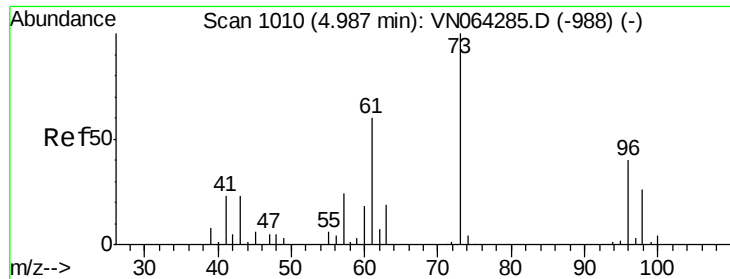
Delta R.T. 0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	84	Resp:	52437
Ion	Ratio	Lower	Upper
84	100		
49	126.8	101.1	151.7
51	37.6	33.4	50.0
86	61.8	45.0	67.4





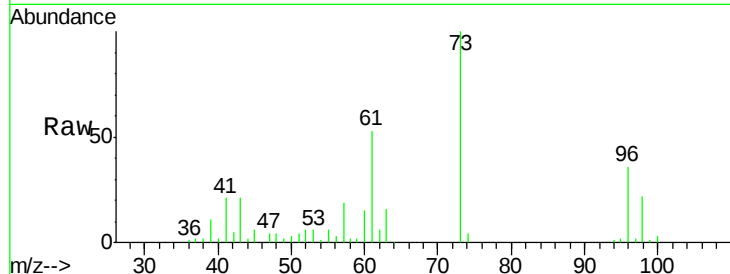
#19
trans-1,2-Dichloroethene
Concen: 16.983 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	150.0	114.2	171.2	
98	61.5	52.8	79.2	

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM

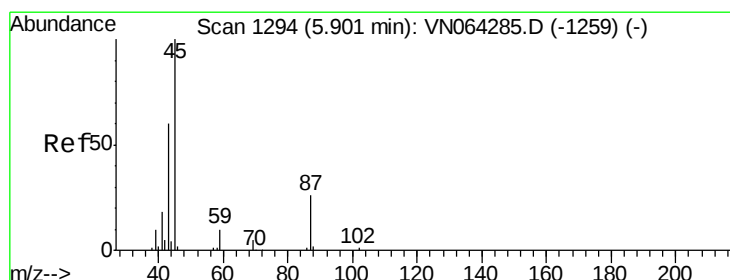
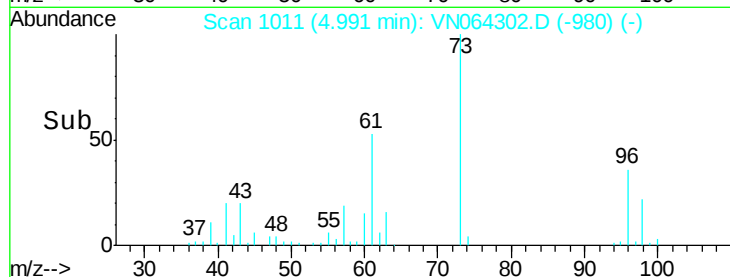
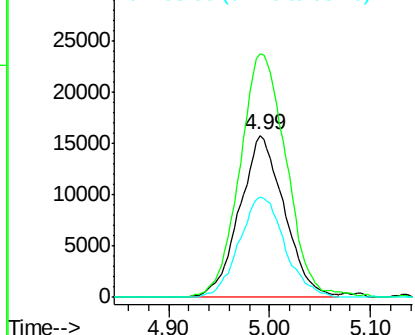


Abundance

Ion 96.00 (95.70 to 96.70): VN064302.D (-980) (-)

Ion 61.00 (60.70 to 61.70): VN064302.D (-980) (-)

Ion 98.00 (97.70 to 98.70): VN064302.D (-980) (-)



#20
Diisopropyl ether
Concen: 18.061 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	73.5	58.9	88.3	
87	25.4	21.0	31.4	
59	10.9	9.1	13.7	

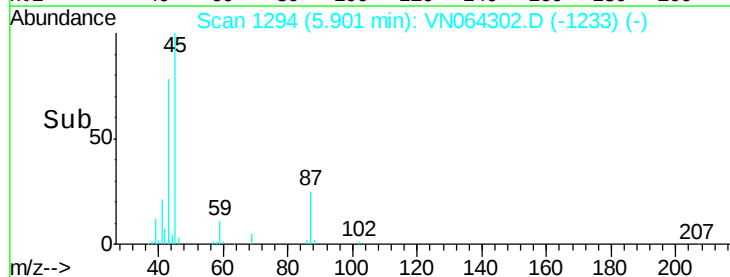
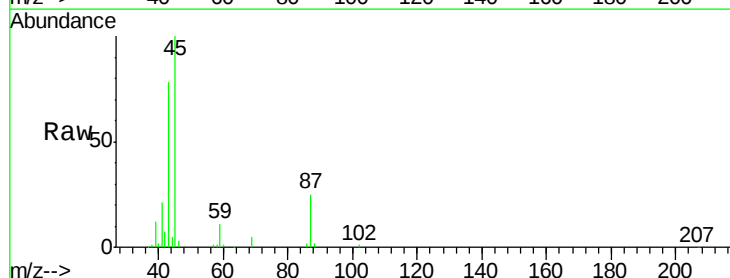
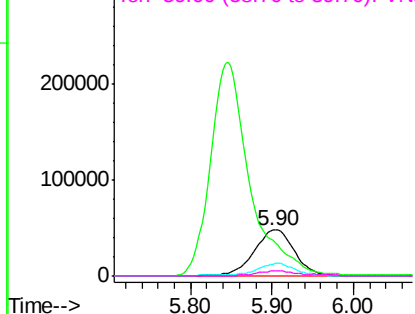
Abundance

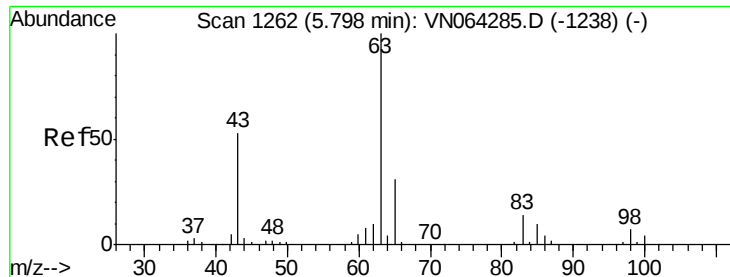
Ion 45.00 (44.70 to 45.70): VN064302.D (-1233) (-)

Ion 43.00 (42.70 to 43.70): VN064302.D (-1233) (-)

Ion 87.00 (86.70 to 87.70): VN064302.D (-1233) (-)

Ion 59.00 (58.70 to 59.70): VN064302.D (-1233) (-)





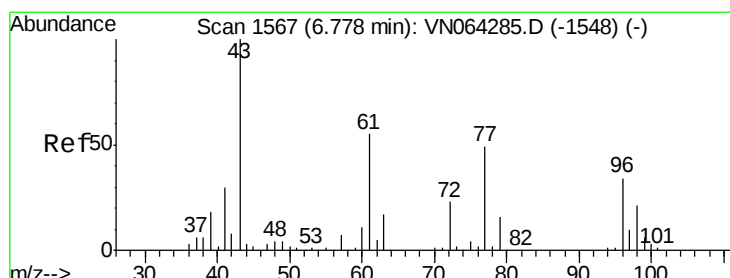
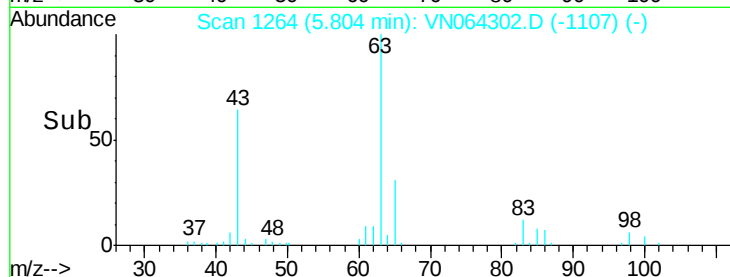
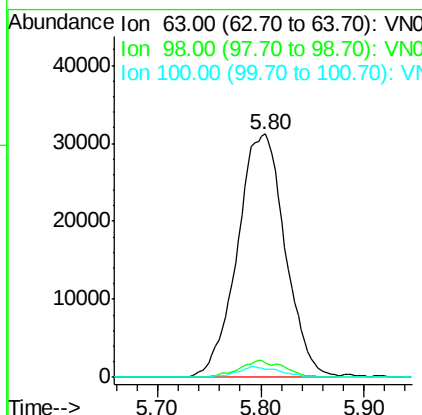
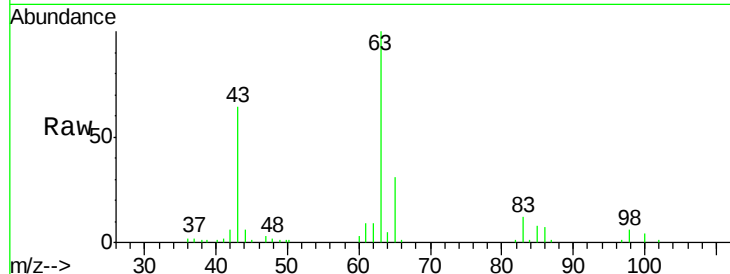
#21
 1,1-Dichloroethane
 Concen: 18.305 ug/l
 RT: 5.80 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	3.5	10.6	
100	3.5	1.6	4.7	

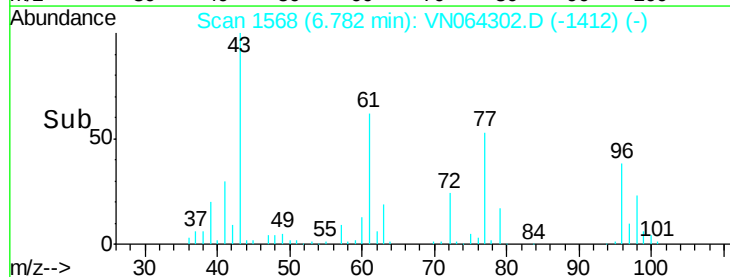
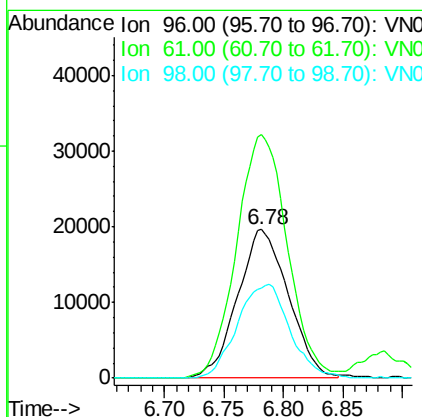
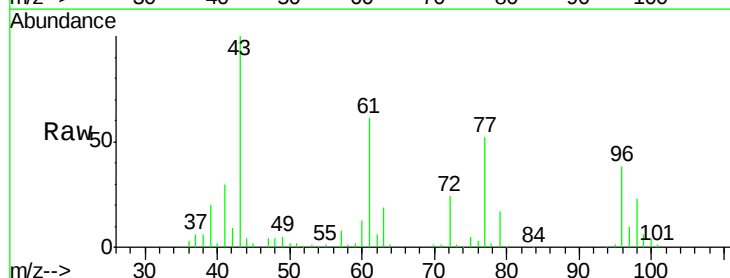
Manual Integrations
 APPROVED

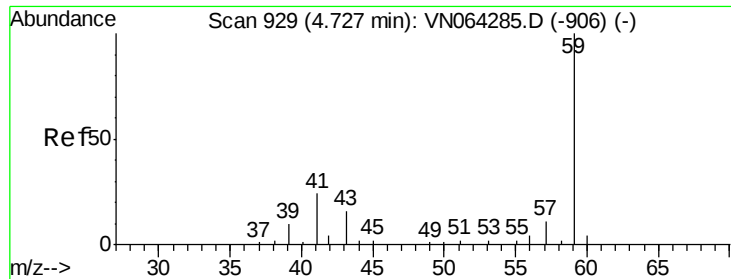
MMDadoda
 10/26/2020 1:39:19 PM



#22
 cis-1,2-Dichloroethene
 Concen: 17.713 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.4	132.2	198.2	
98	65.0	26.5	39.7	





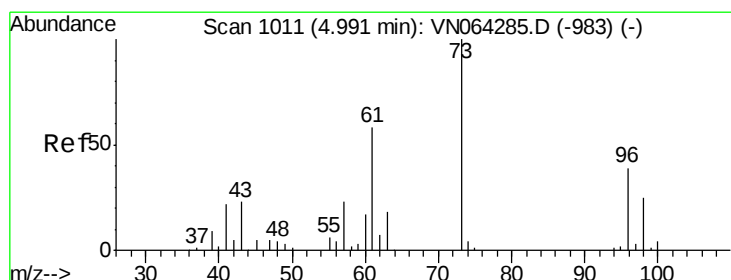
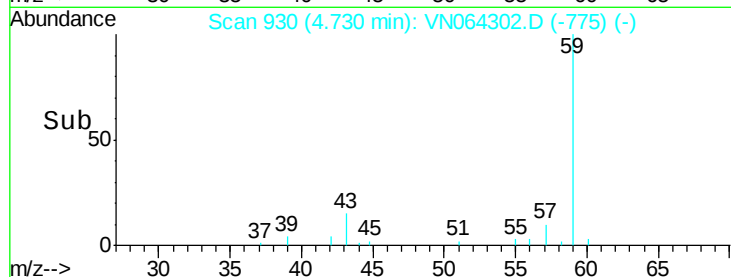
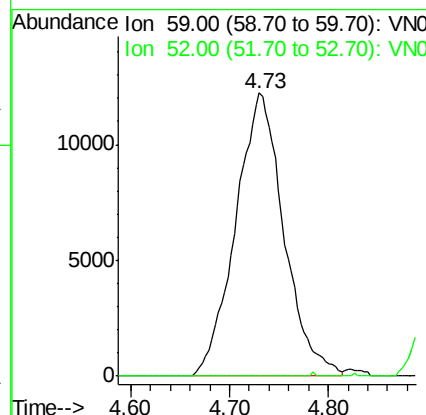
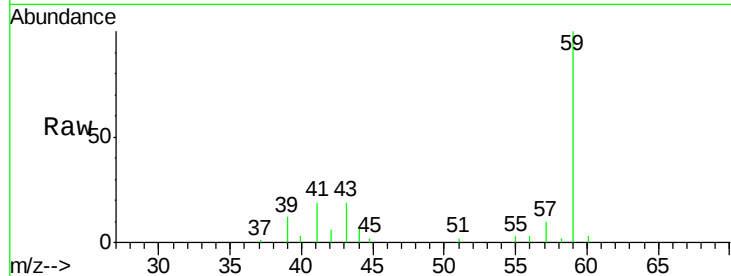
#23
 tert-Butyl Alcohol
 Concen: 78.742 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 41550
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

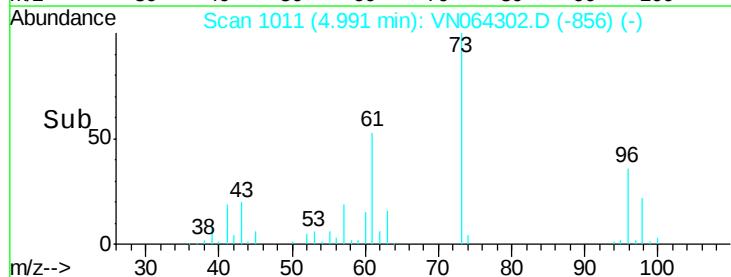
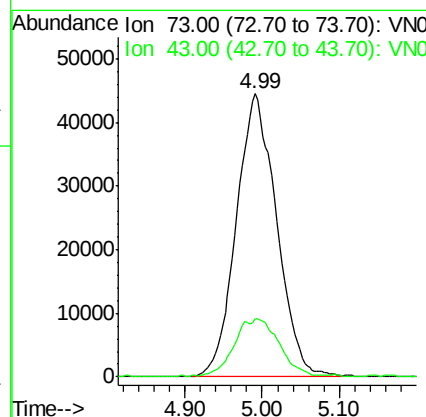
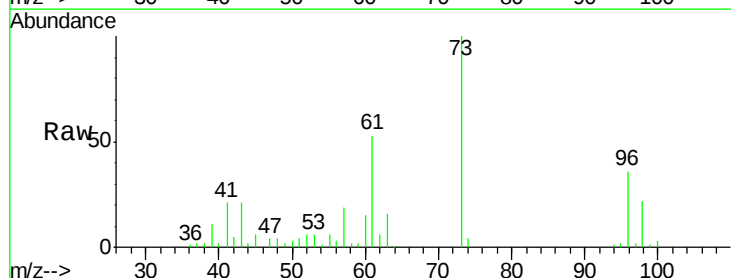
Manual Integrations
 APPROVED

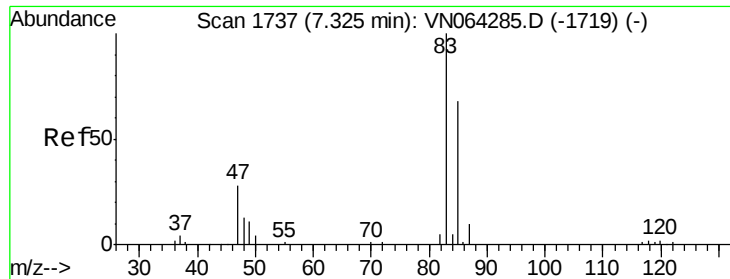
MMDadoda
 10/26/2020 1:39:19 PM



#24
 Methyl tert-Butyl Ether
 Concen: 18.430 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion: 73 Resp: 160954
 Ion Ratio Lower Upper
 73 100
 43 8.5 19.7 29.5#





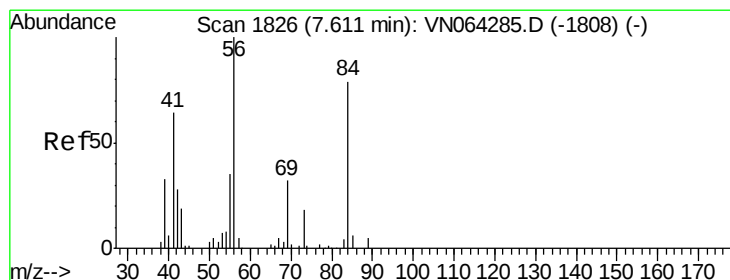
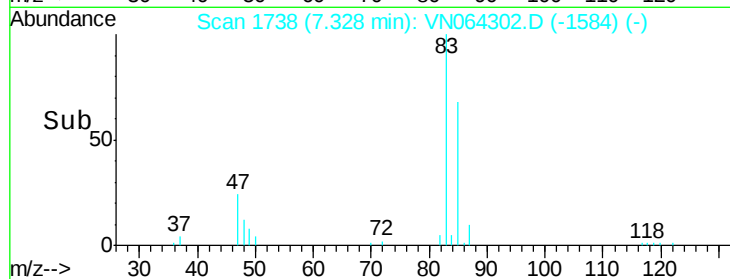
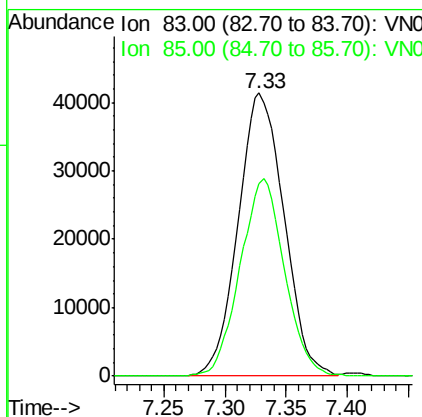
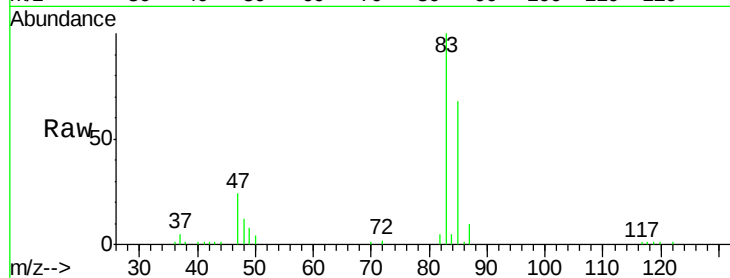
#25
Chloroform
Concen: 18.219 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	108024
Ion Ratio	100	Lower	Upper
83	100		
85	68.1	50.3	75.5

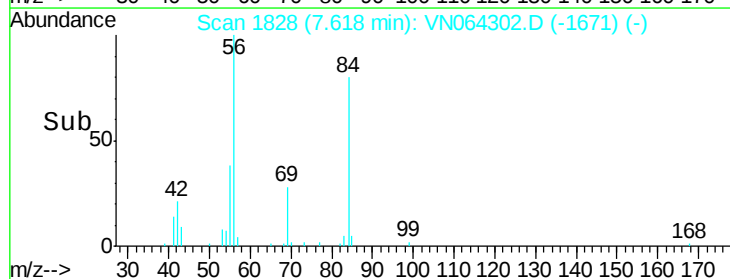
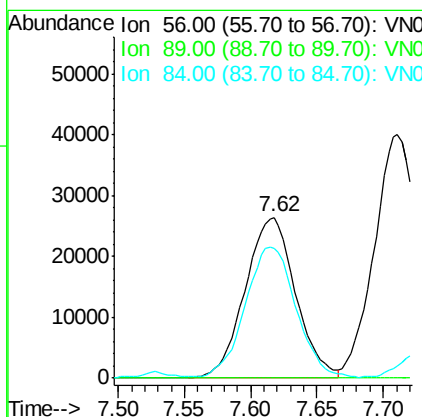
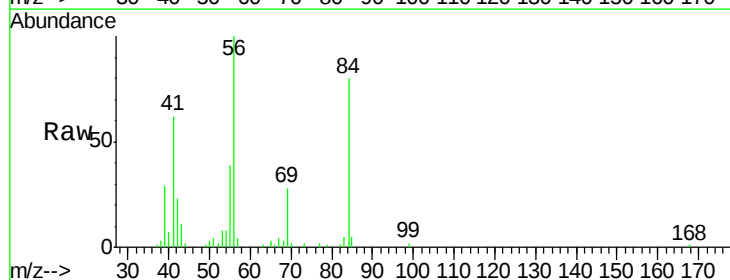
Manual Integrations
APPROVED

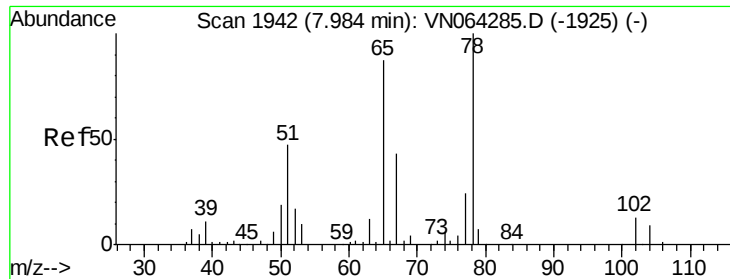
MMDadoda
10/26/2020 1:39:19 PM



#26
Cyclohexane
Concen: 16.476 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	56	Resp	70000
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	3.4	5.2#
84	82.9	66.2	99.2





#27

1,2-Dichloroethane-d4

Concen: 32.846 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 129193

Ion Ratio Lower Upper

65 100

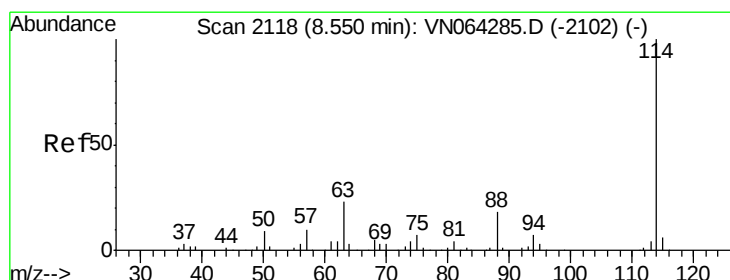
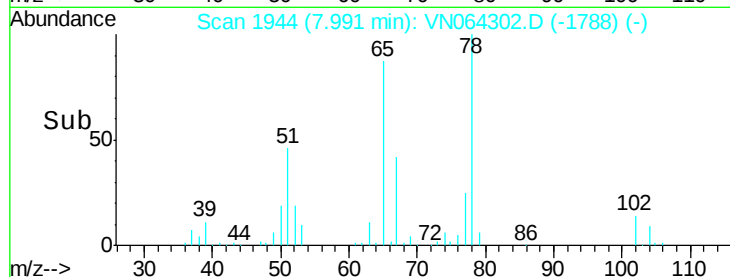
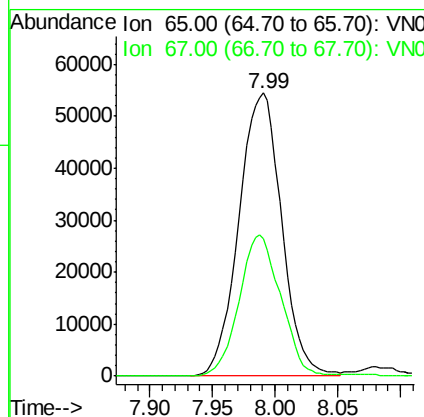
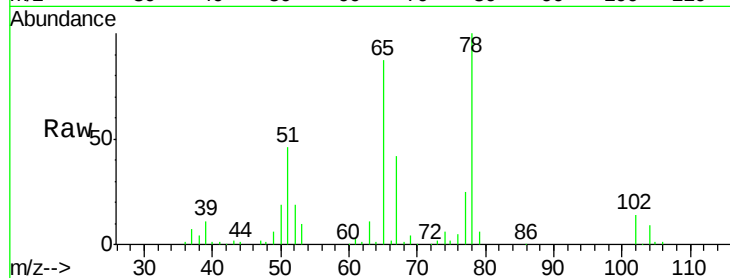
67 48.3 38.4 57.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:19 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

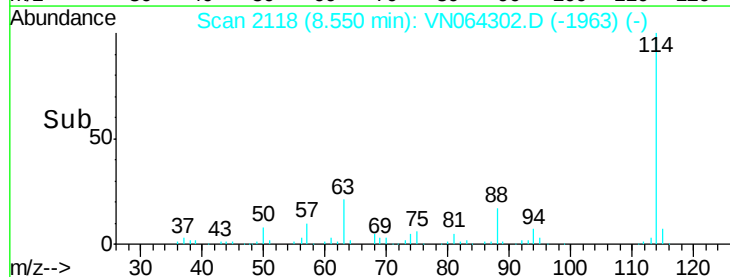
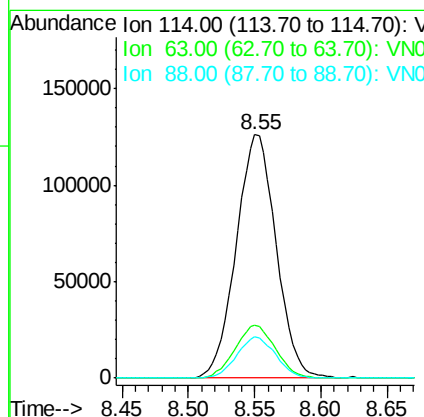
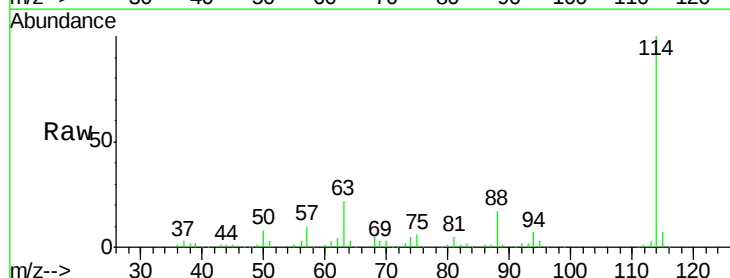
Tgt Ion: 114 Resp: 263742

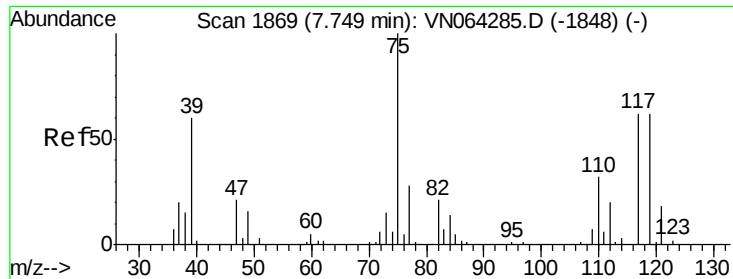
Ion Ratio Lower Upper

114 100

63 21.9 17.8 26.8

88 16.7 13.8 20.8





#29

1,1-Dichloropropene

Concen: 16.554 ug/l

RT: 7.76 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

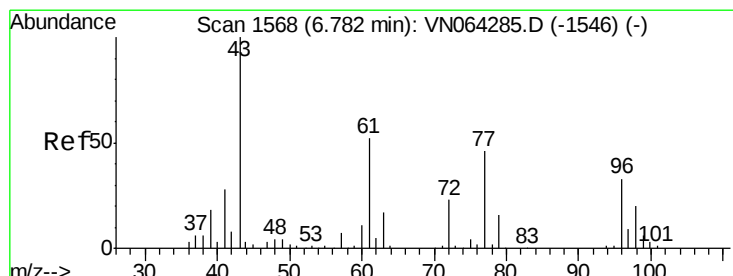
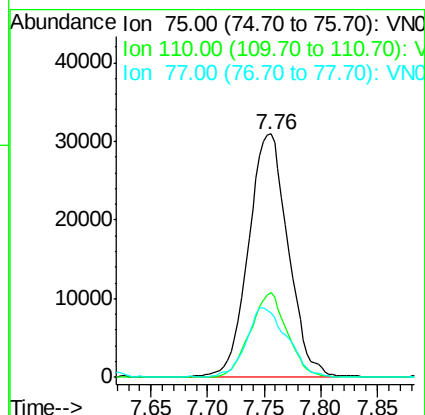
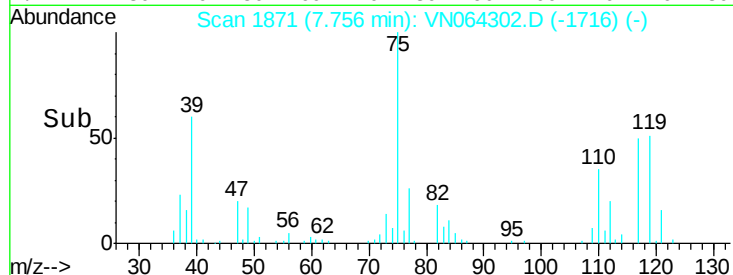
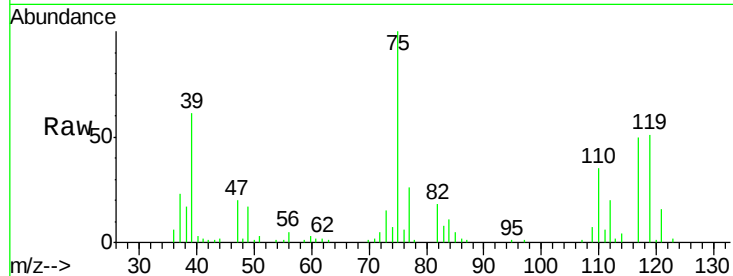
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	75474
Ion Ratio	Lower	Upper	
75	100		
110	32.4	0.0	66.2
77	29.6	0.0	64.4

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#30

2-Butanone

Concen: 77.217 ug/l

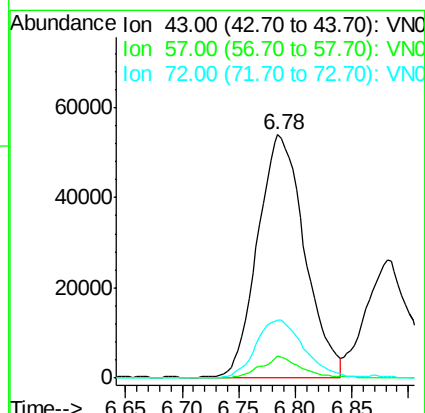
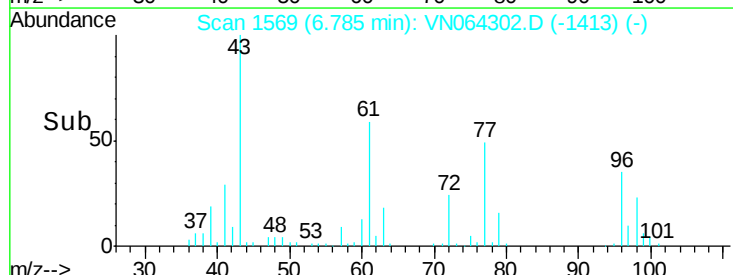
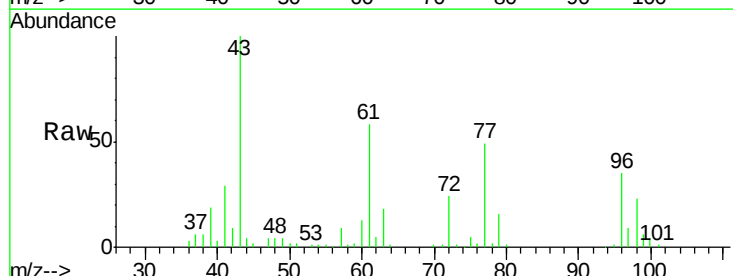
RT: 6.78 min Scan# 1569

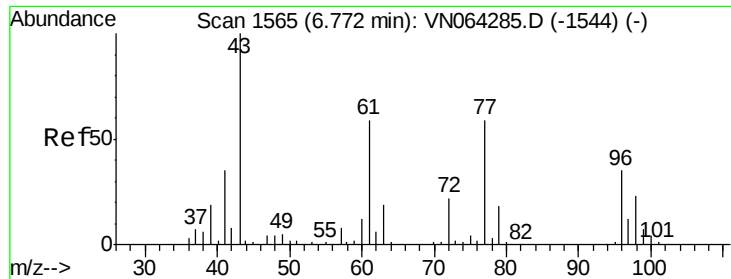
Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	43	Resp:	154619
Ion Ratio	Lower	Upper	
43	100		
57	7.6	6.4	9.6
72	24.5	19.4	29.0





#31

2,2-Dichloropropane

Concen: 15.870 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 90557

Ion Ratio Lower Upper

77 100

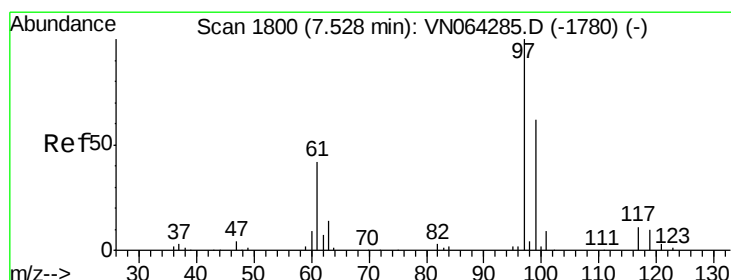
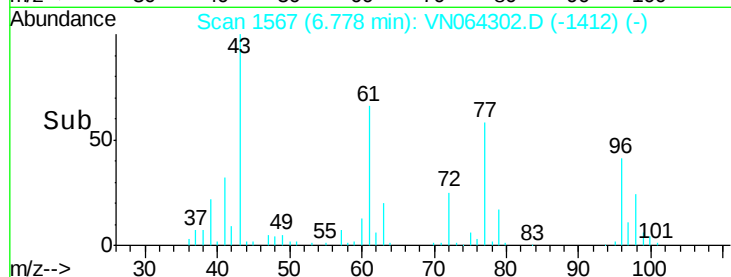
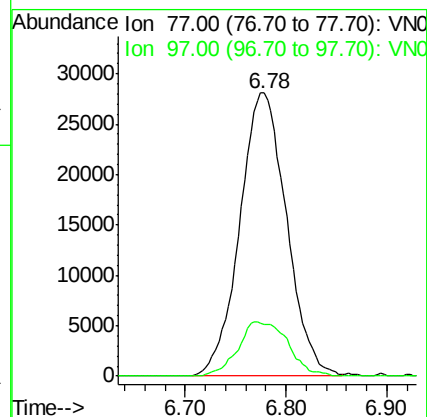
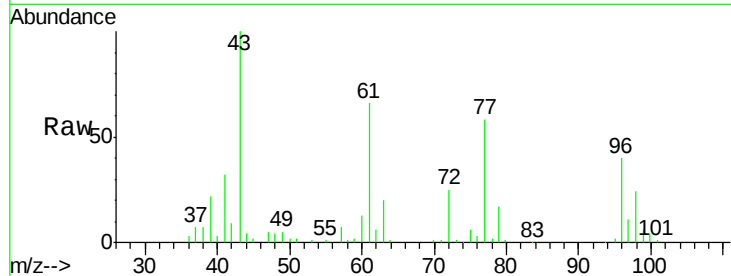
97 12.0 15.1 22.7#

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:19 PM



#32

1,1,1-Trichloroethane

Concen: 16.779 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

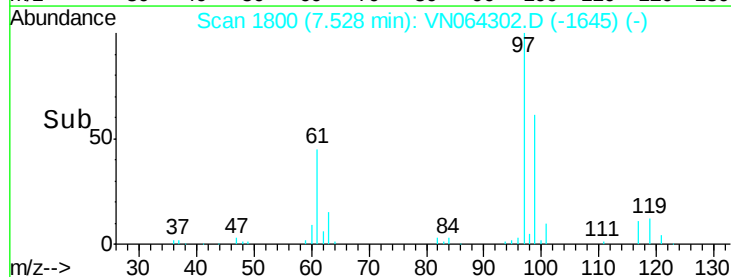
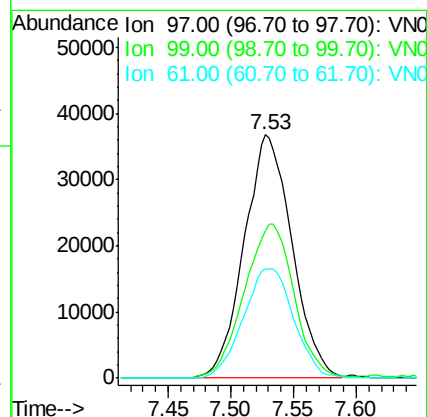
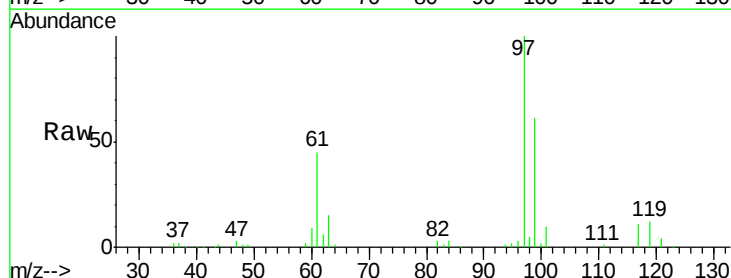
Tgt Ion: 97 Resp: 97752

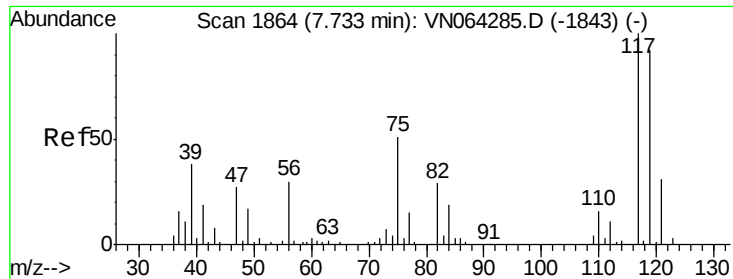
Ion Ratio Lower Upper

97 100

99 65.8 54.4 81.6

61 47.2 37.5 56.3





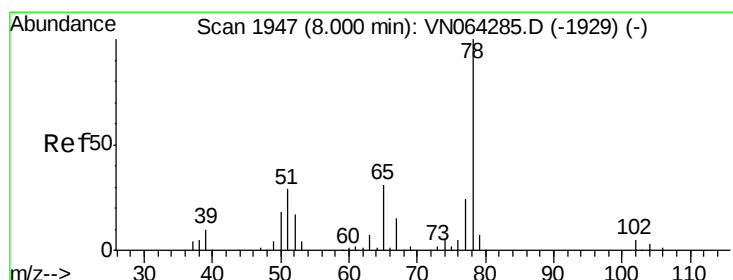
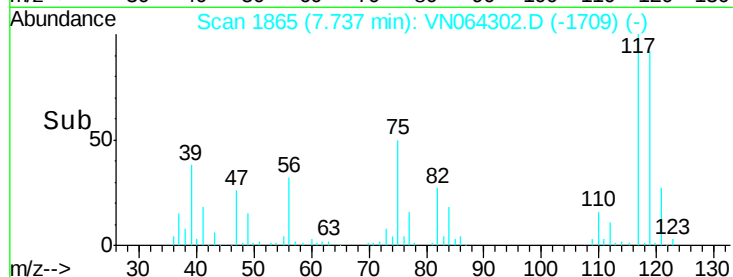
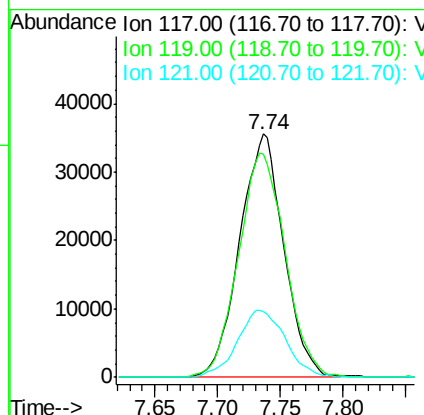
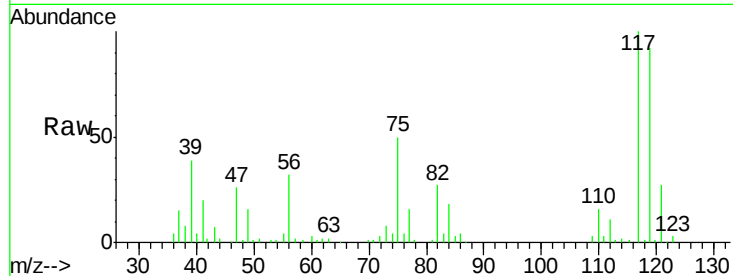
#33
Carbon Tetrachloride
Concen: 16.636 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.9	80.1	120.1
121	27.1	26.2	39.2

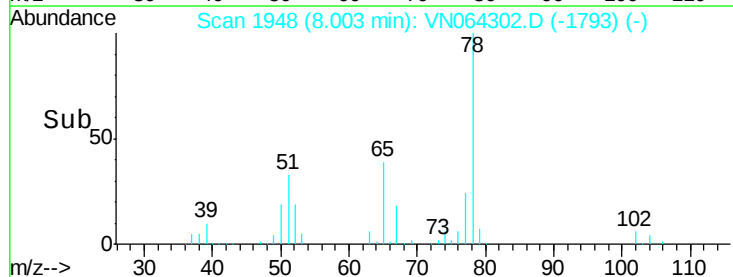
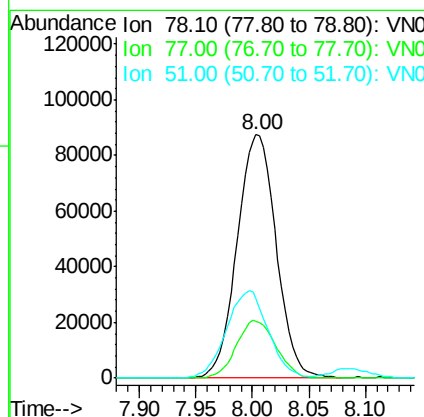
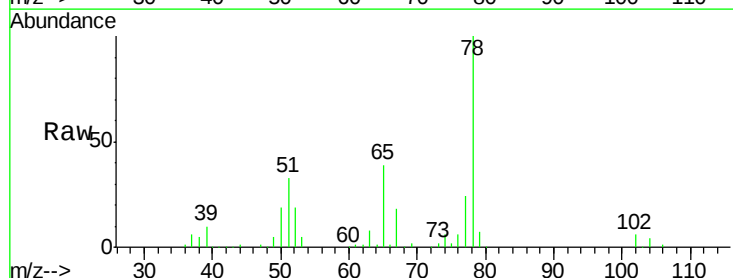
Manual Integrations
APPROVED

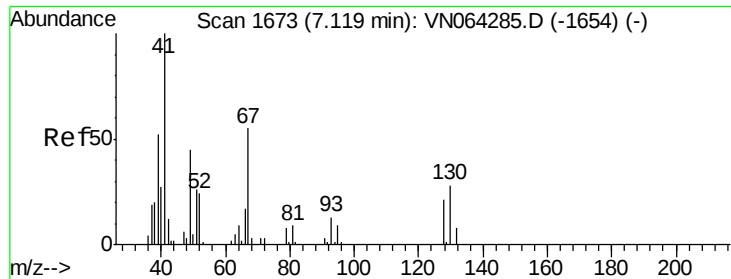
MMDadoda
10/26/2020 1:39:19 PM



#34
Benzene
Concen: 16.894 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	32.1	25.2	37.8





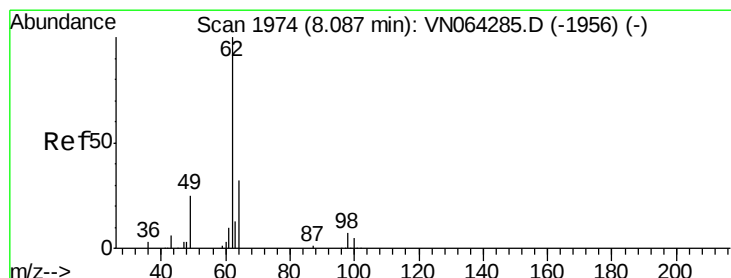
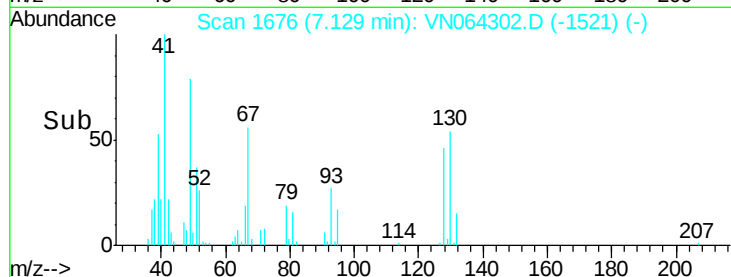
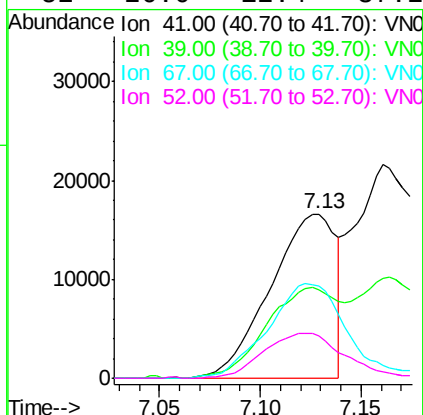
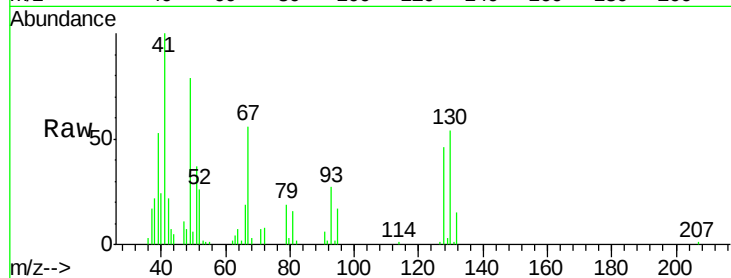
#35
Methacrylonitrile
Concen: 18.473 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	37292
Ion	Ratio	Lower	Upper
41	100		
39	53.4	28.0	83.9
67	55.9	29.9	89.8
52	26.0	12.4	37.2

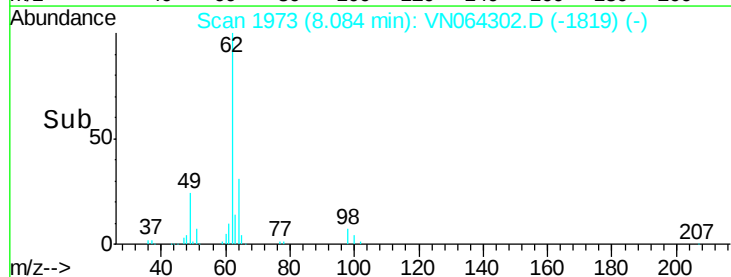
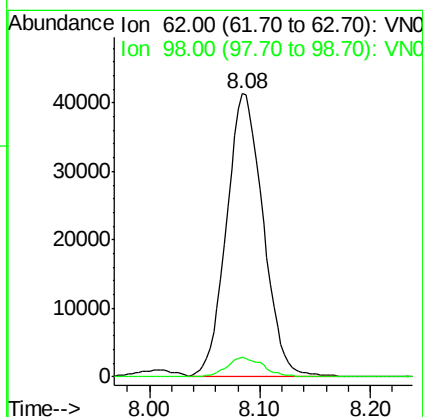
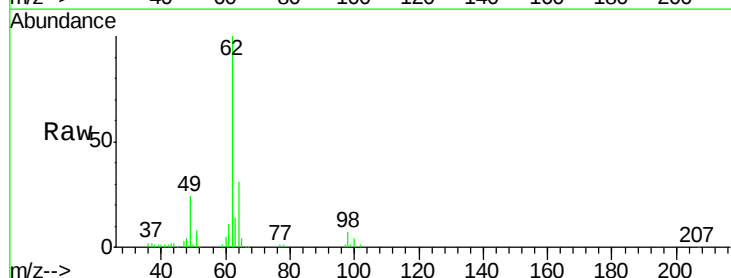
Manual Integrations
APPROVED

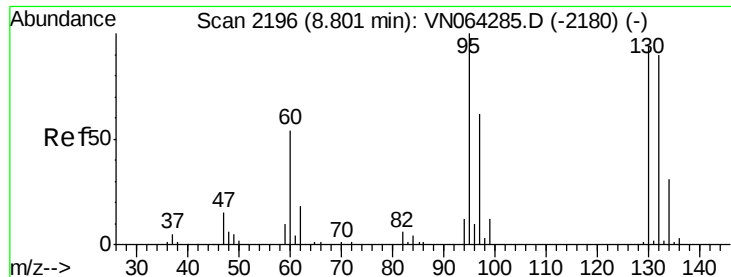
MMDadoda
10/26/2020 1:39:19 PM



#36
1,2-Dichloroethane
Concen: 17.955 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	62	Resp	95383
Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.0





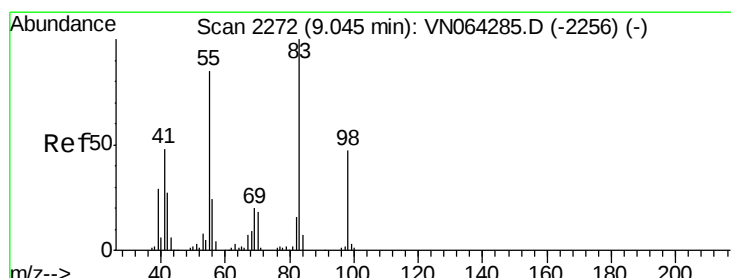
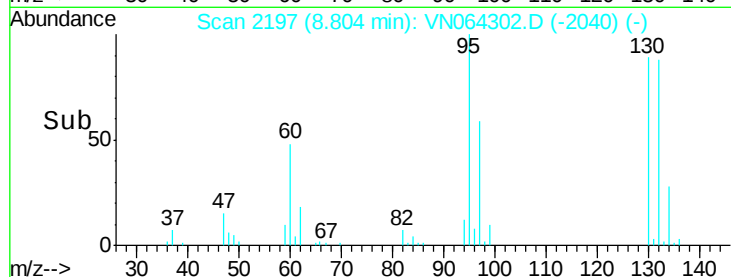
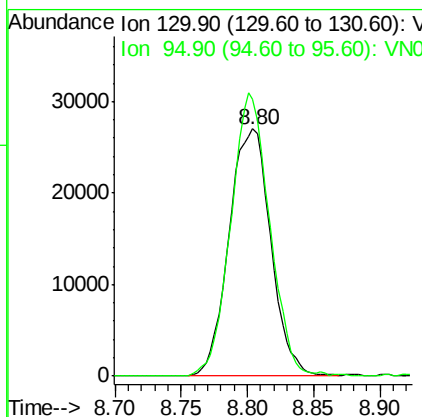
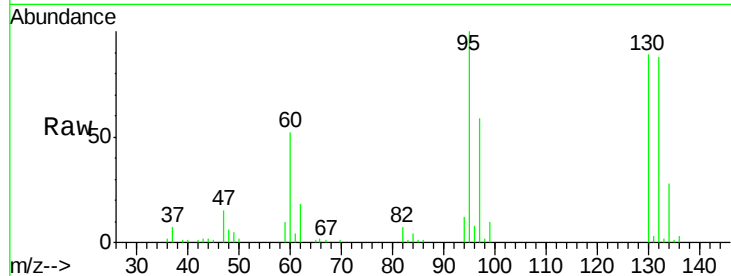
#37
 Trichloroethene
 Concen: 17.257 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 59174
 Ion Ratio Lower Upper
 130 100
 95 112.3 81.2 121.8

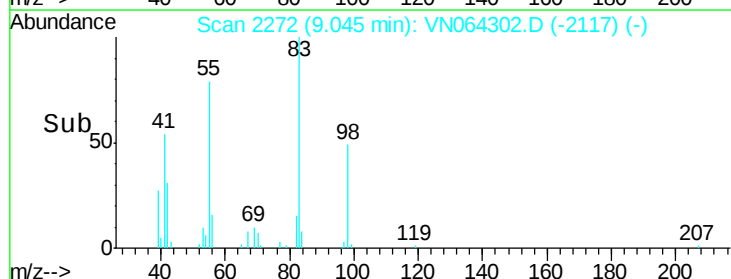
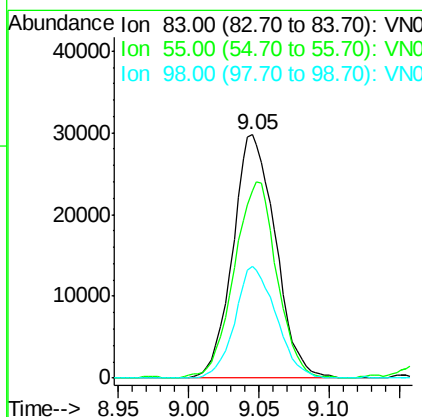
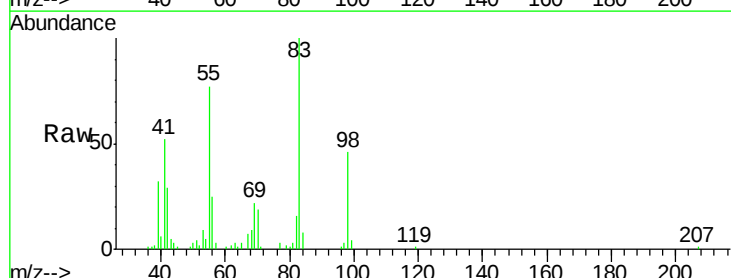
Manual Integrations
 APPROVED

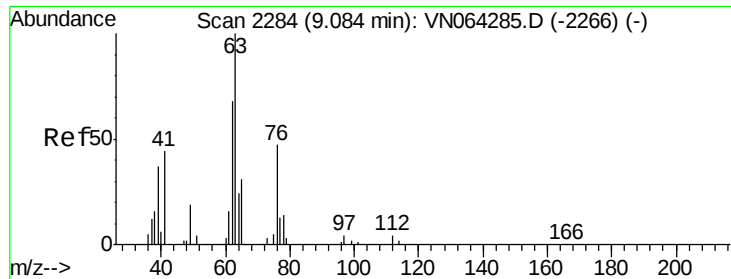
MMDadoda
 10/26/2020 1:39:19 PM



#38
 Methylcyclohexane
 Concen: 15.135 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion: 83 Resp: 62997
 Ion Ratio Lower Upper
 83 100
 55 80.5 40.3 120.9
 98 44.1 25.3 75.8





#39

1,2-Dichloropropane

Concen: 17.129 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 57056

Ion Ratio Lower Upper

63 100

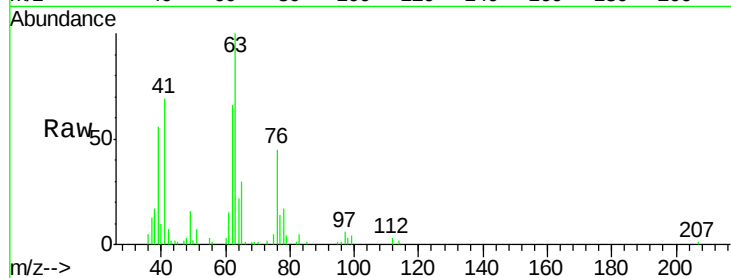
65 29.8 26.1 39.1

Manual Integrations

APPROVED

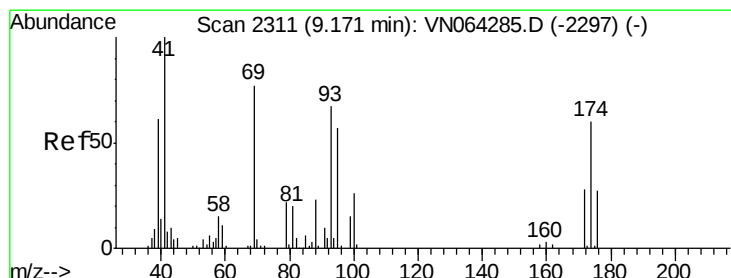
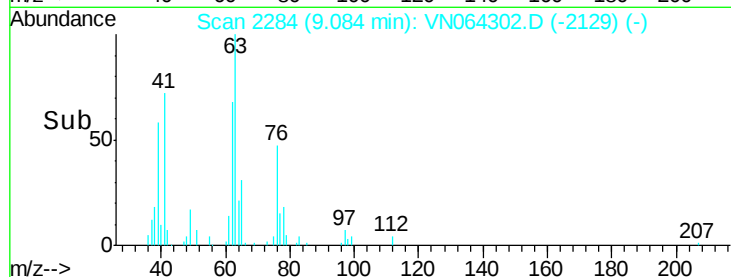
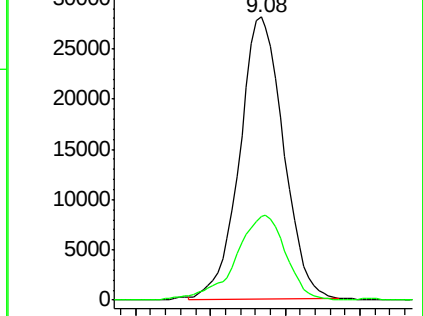
MMDadoda

10/26/2020 1:39:19 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 16.898 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

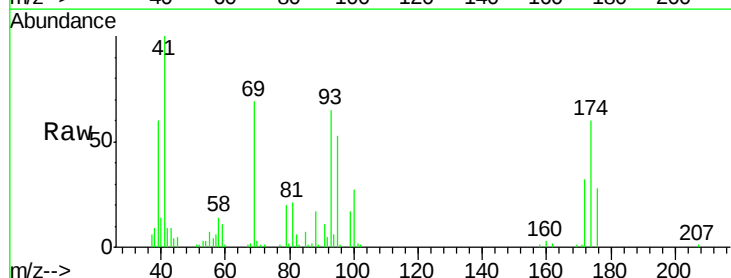
Tgt Ion: 93 Resp: 39380

Ion Ratio Lower Upper

93 100

95 84.8 0.0 156.6

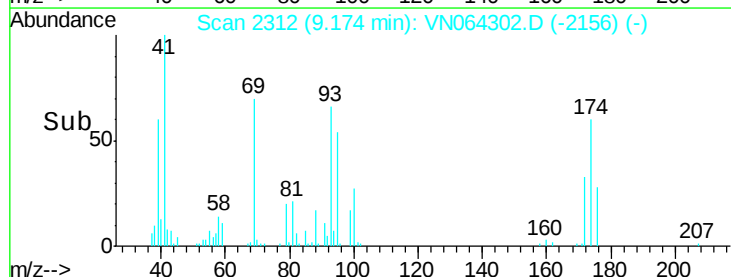
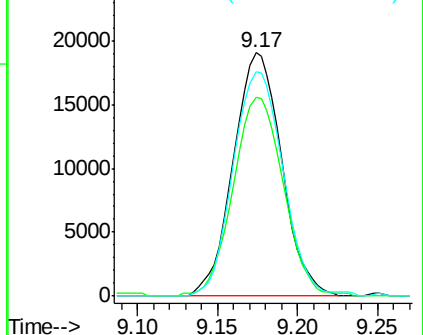
174 94.9 0.0 168.8

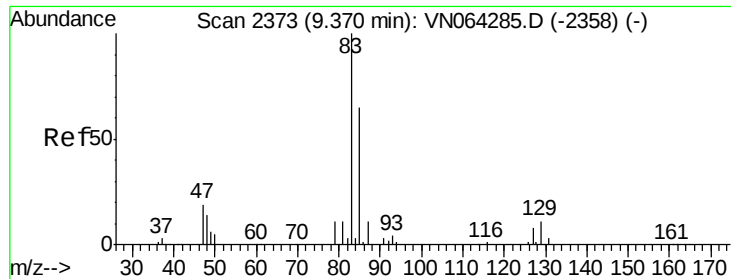


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





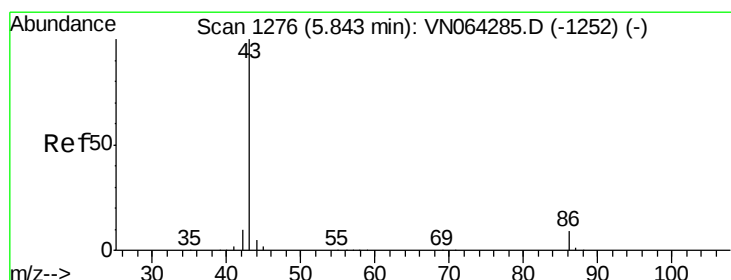
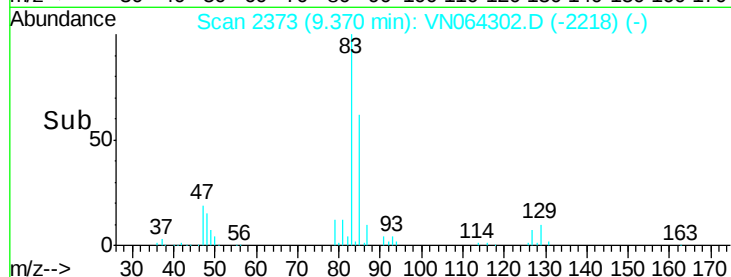
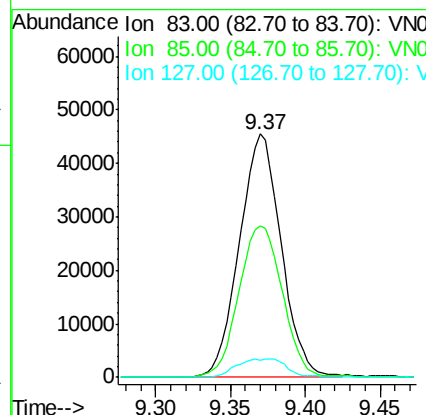
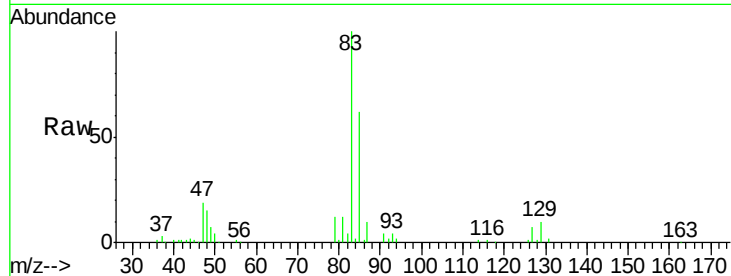
#41
Bromodichloromethane
Concen: 17.523 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	88557
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	57.8	86.6
127	7.2	7.0	10.4

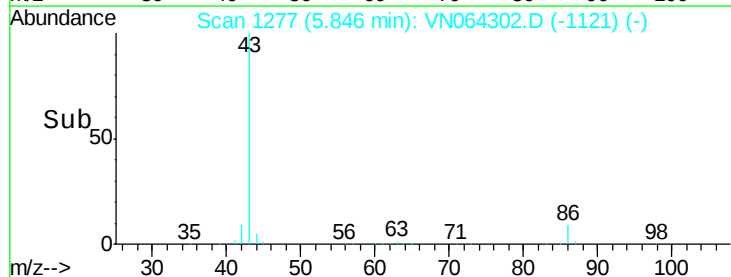
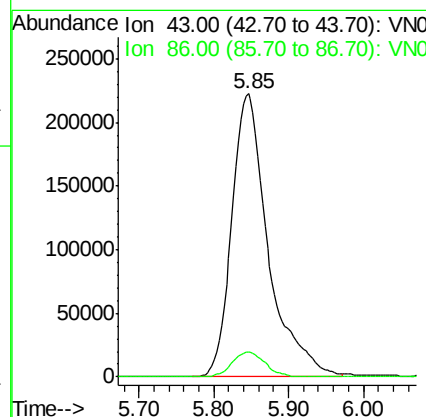
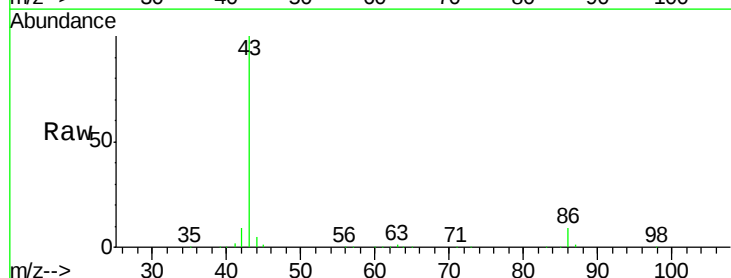
Manual Integrations
APPROVED

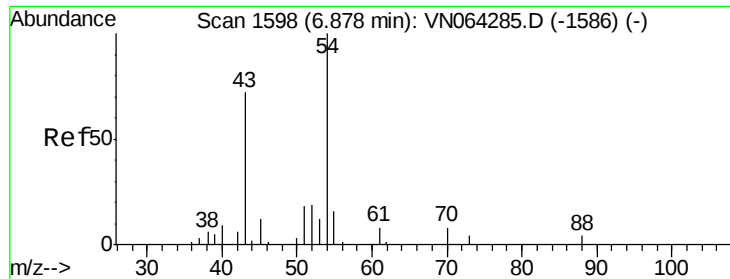
MMDadoda
10/26/2020 1:39:19 PM



#42
Vinyl Acetate
Concen: 85.402 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	43	Resp	754257
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.6	9.8





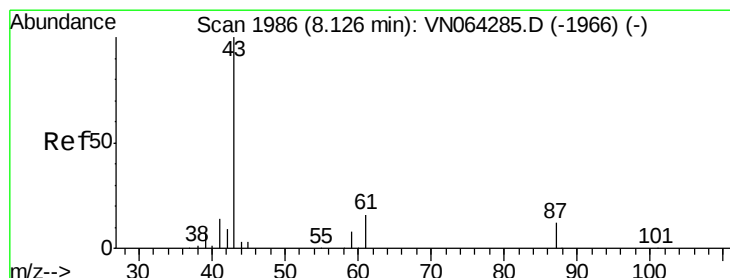
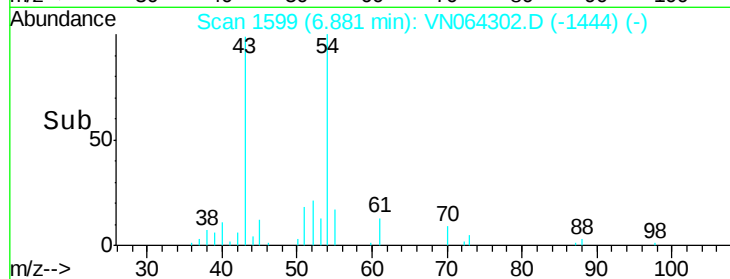
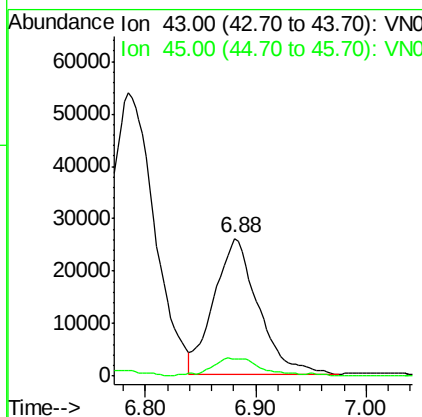
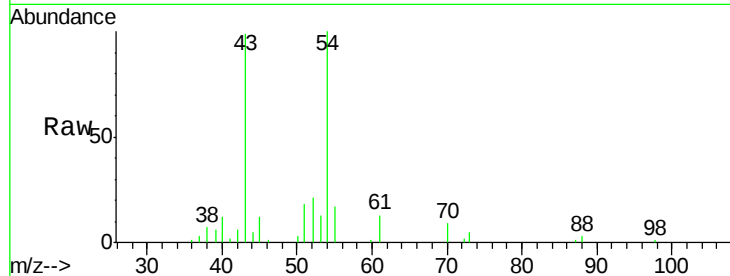
#43
Ethyl Acetate
Concen: 17.054 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 72292
Ion Ratio Lower Upper
43 100
45 5.3 8.2 12.4#

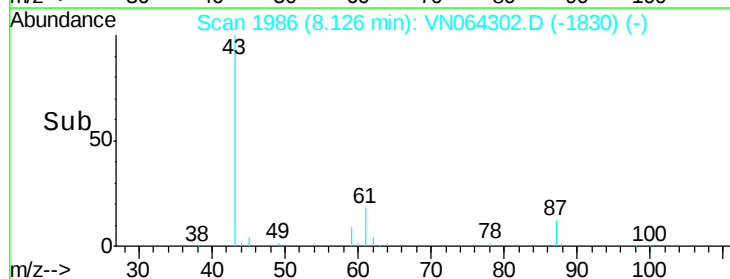
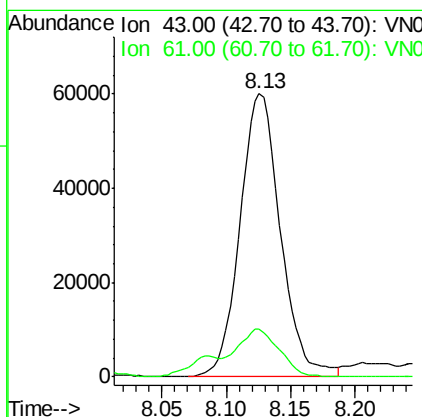
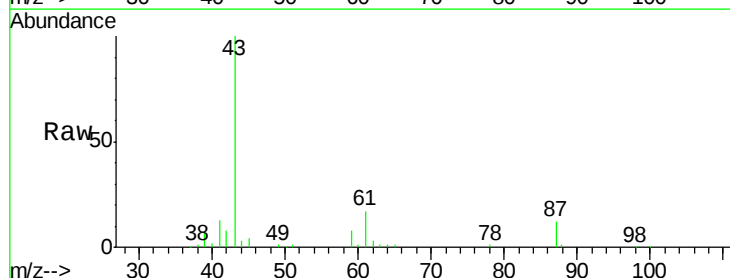
Manual Integrations
APPROVED

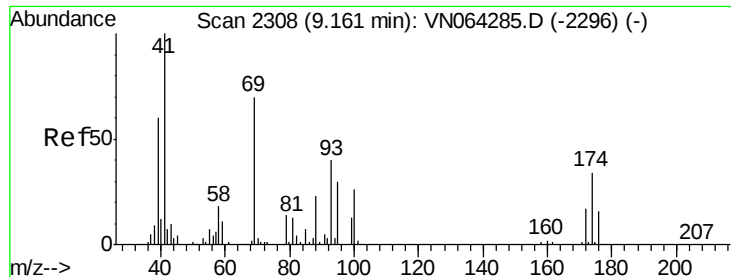
MMDadoda
10/26/2020 1:39:19 PM



#44
Isopropyl Acetate
Concen: 17.142 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 43 Resp: 130324
Ion Ratio Lower Upper
43 100
61 17.1 19.9 29.9#





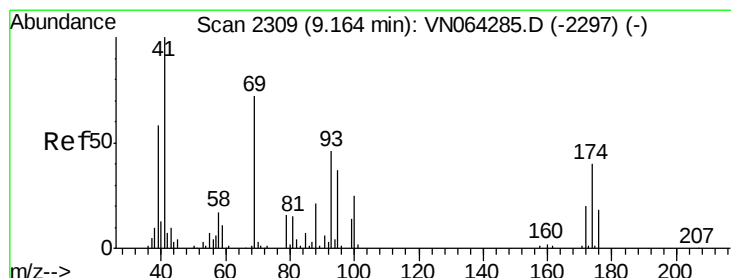
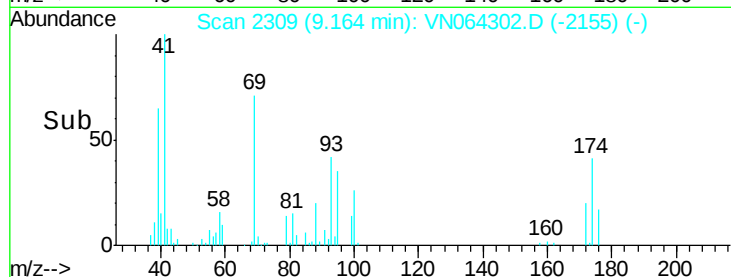
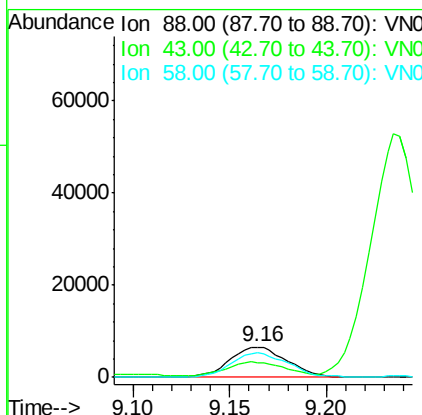
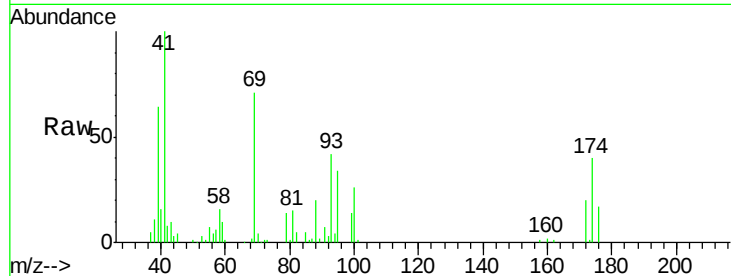
#45
 1,4-Dioxane
 Concen: 290.609 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	13494
Ion	Ratio	Lower	Upper
88	100		
43	42.3	34.7	52.1
58	80.1	65.8	98.6

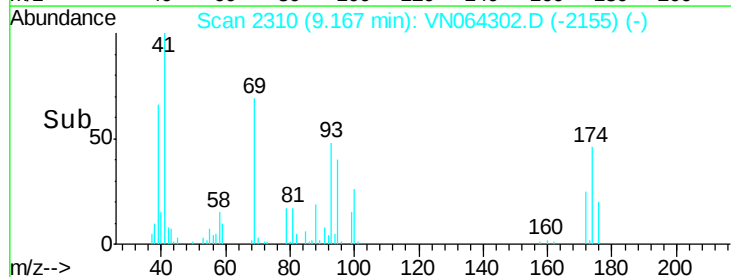
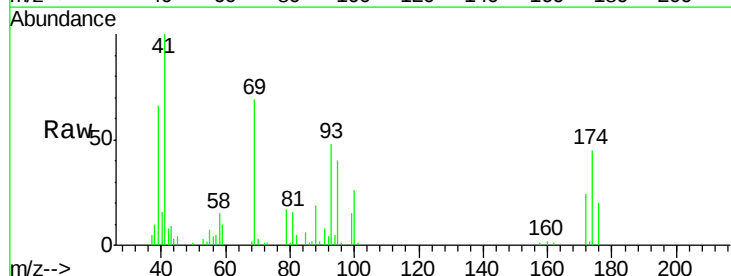
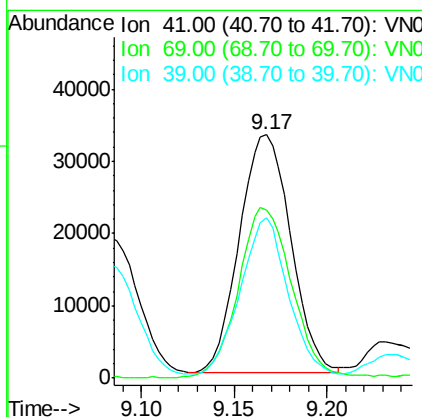
Manual Integrations
 APPROVED

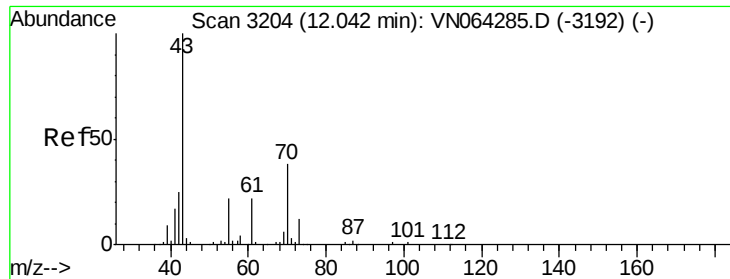
MMDadoda
 10/26/2020 1:39:19 PM



#46
 Methyl methacrylate
 Concen: 17.373 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	41	Resp	63865
Ion	Ratio	Lower	Upper
41	100		
69	69.8	32.6	97.7
39	65.5	31.1	93.3





#47

n-amyl Acetate

Concen: 17.023 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 111670

Ion Ratio Lower Upper

43 100

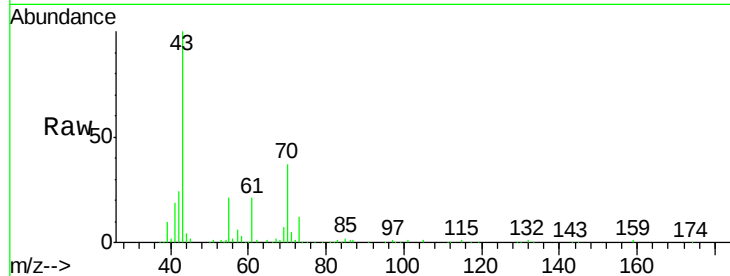
55 22.8 18.2 27.2

Manual Integrations

APPROVED

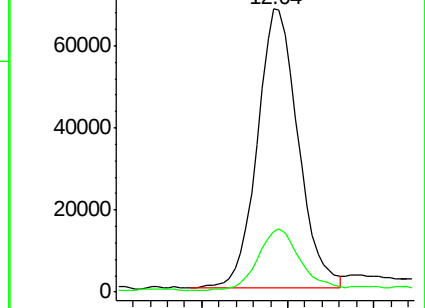
MMDadoda

10/26/2020 1:39:19 PM

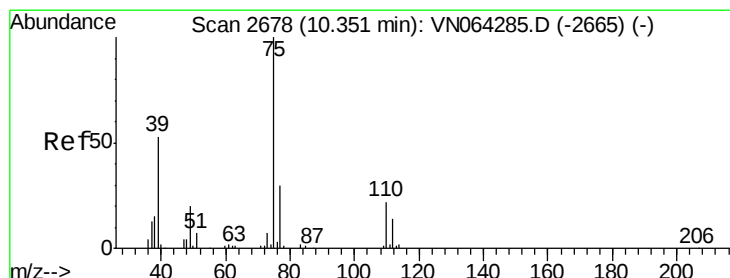
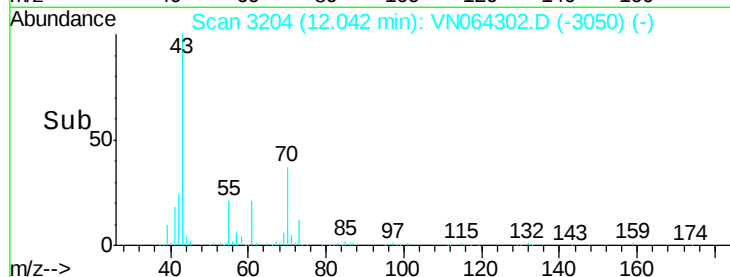


Abundance Ion 43.00 (42.70 to 43.70): VN064302.D (-3050) (-)

Ion 55.00 (54.70 to 55.70): VN064302.D (-3050) (-)



Time-->



#48

t-1,3-Dichloropropene

Concen: 17.143 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064302.D

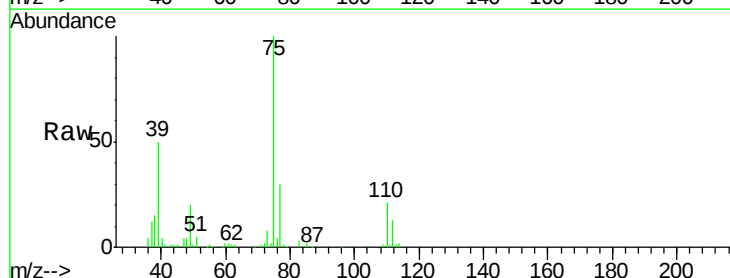
Acq: 23 Oct 2020 22:02

Tgt Ion: 75 Resp: 96724

Ion Ratio Lower Upper

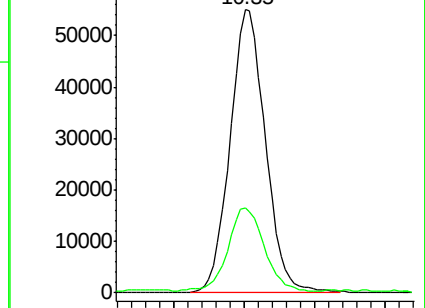
75 100

77 29.4 25.4 38.0

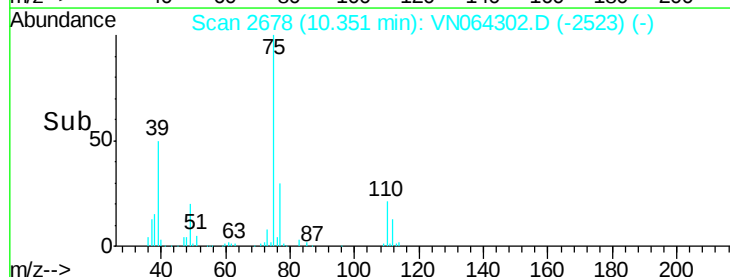


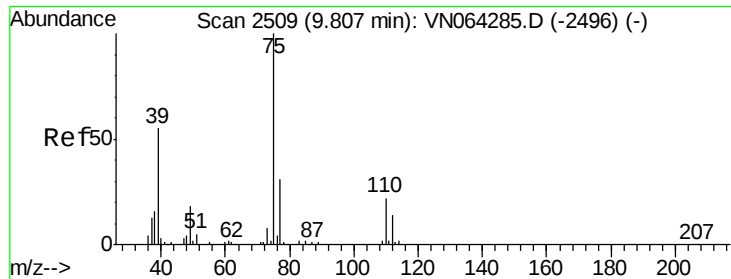
Abundance Ion 75.00 (74.70 to 75.70): VN064302.D (-2523) (-)

Ion 77.00 (76.70 to 77.70): VN064302.D (-2523) (-)



Time-->





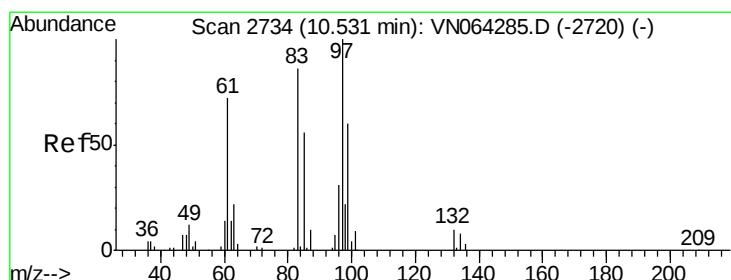
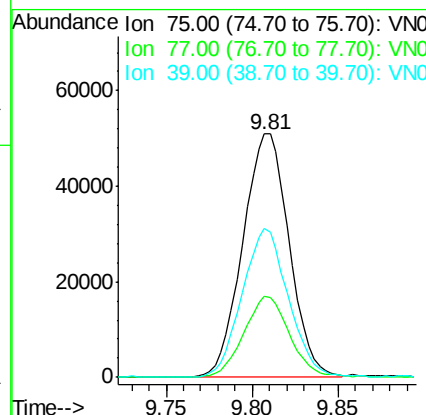
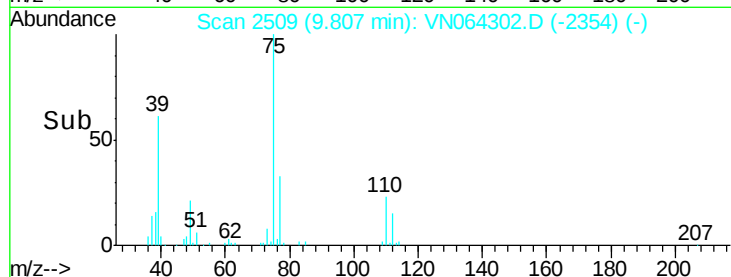
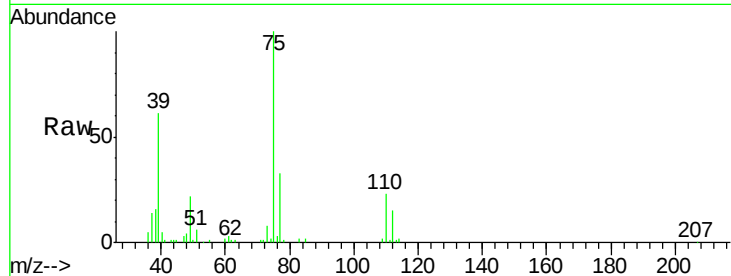
#49
 cis-1,3-Dichloropropene
 Concen: 16.253 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	23.7	35.5
39	61.0	46.9	70.3

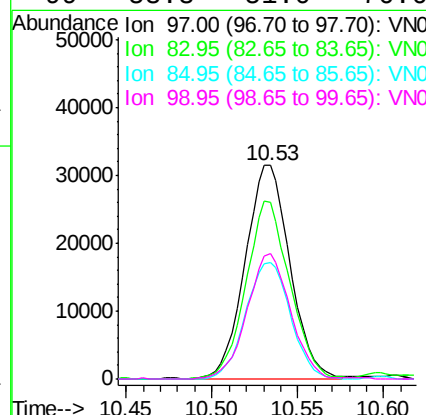
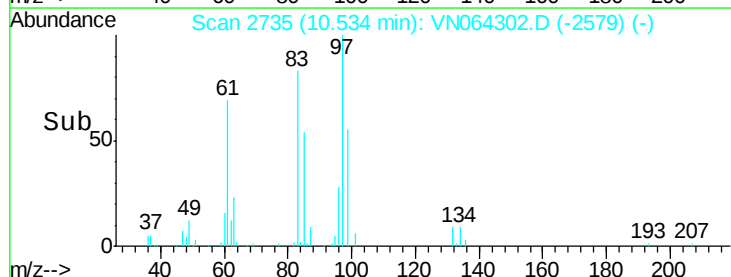
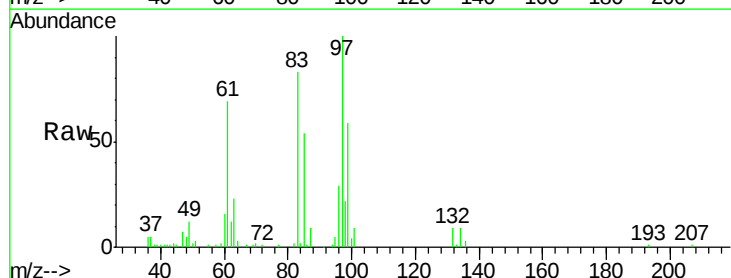
Manual Integrations
 APPROVED

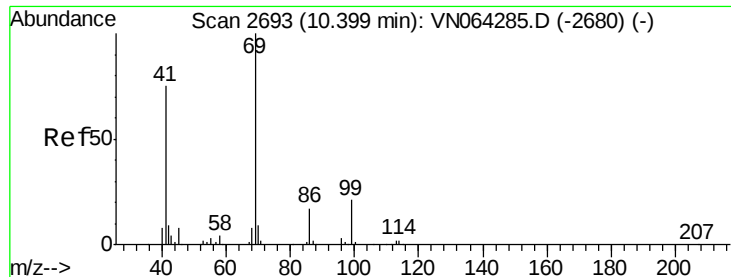
MMDadoda
 10/26/2020 1:39:19 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.571 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.9	103.3
85	54.4	37.8	56.8
99	58.8	51.0	76.6





#51

Ethyl methacrylate

Concen: 16.971 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

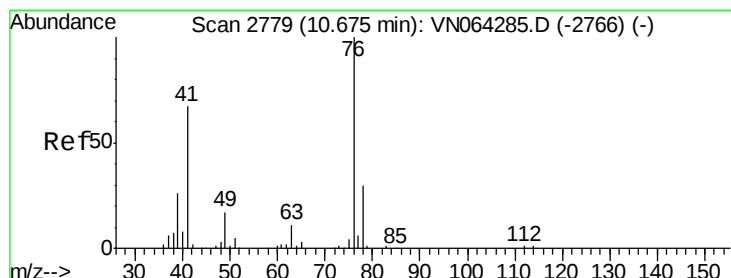
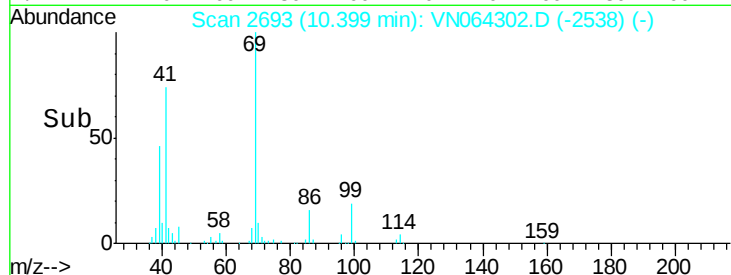
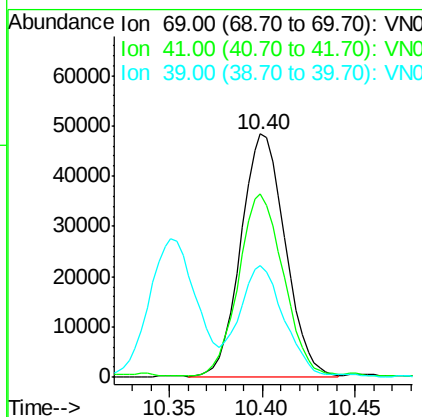
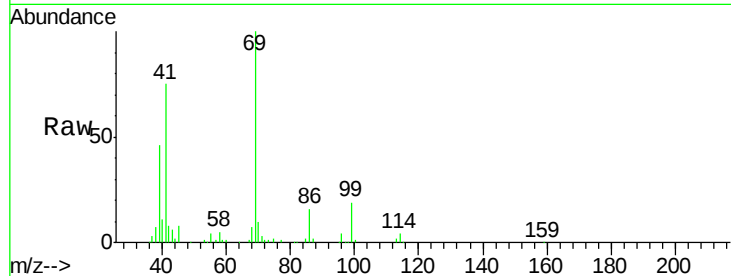
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	80134
Ion	Ratio	Lower	Upper
69	100		
41	74.8	43.6	130.9
39	44.8	25.8	77.3

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#52

1,3-Dichloropropane

Concen: 16.859 ug/l

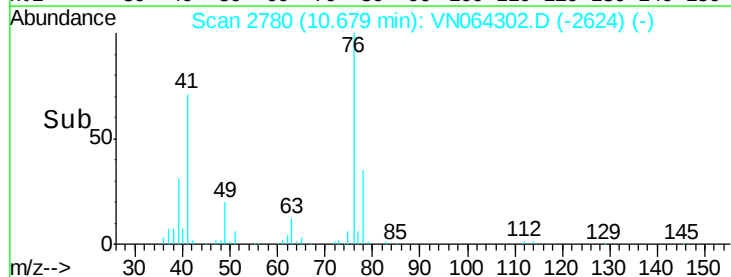
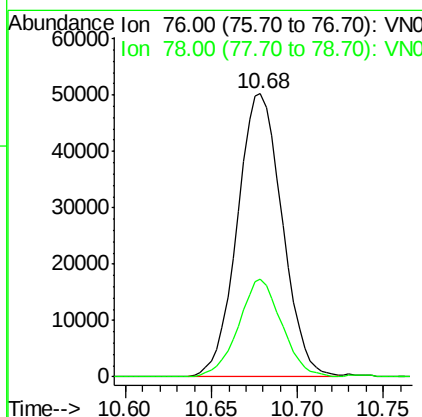
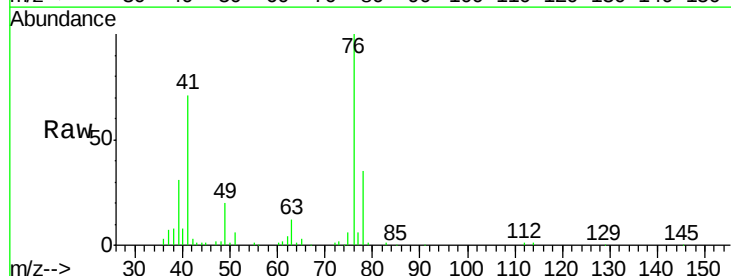
RT: 10.68 min Scan# 2780

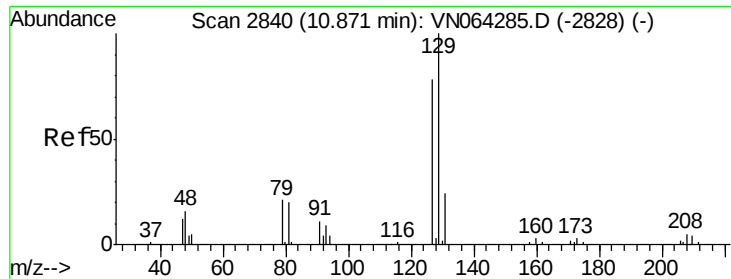
Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	76	Resp:	91515
Ion	Ratio	Lower	Upper
76	100		
78	33.2	0.0	64.6





#53

Dibromochloromethane

Concen: 16.923 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 64904

Ion Ratio Lower Upper

129 100

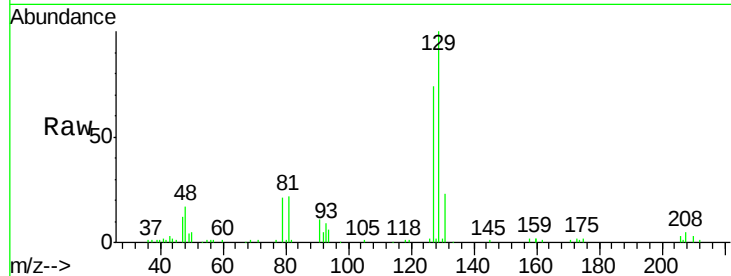
127 77.0 42.4 127.2

Manual Integrations

APPROVED

MMDadoda

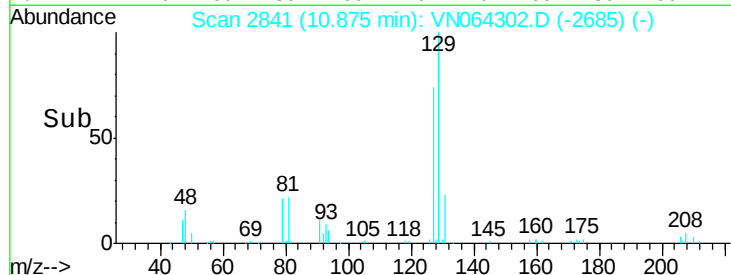
10/26/2020 1:39:19 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

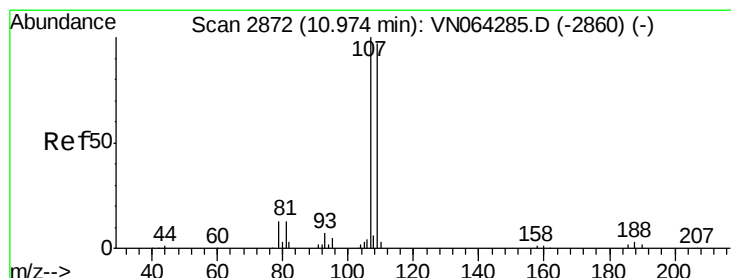


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

Time-->



#54

1,2-Dibromoethane

Concen: 17.273 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064302.D

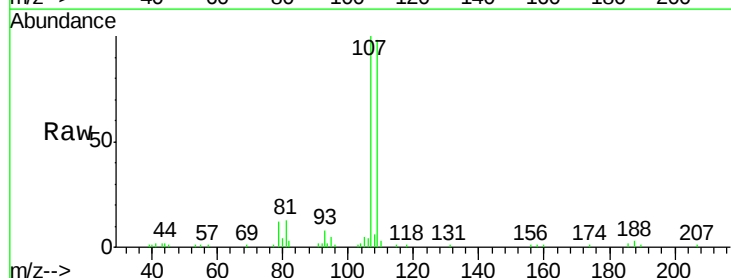
Acq: 23 Oct 2020 22:02

Tgt Ion:107 Resp: 56662

Ion Ratio Lower Upper

107 100

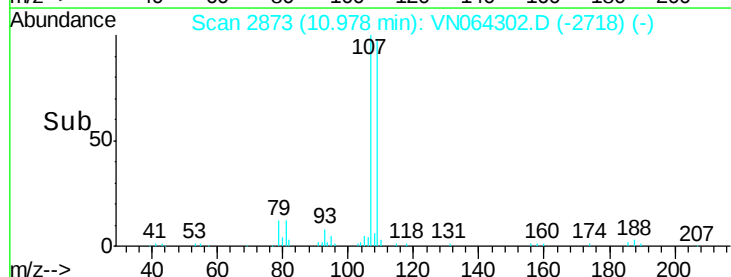
109 95.0 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.98

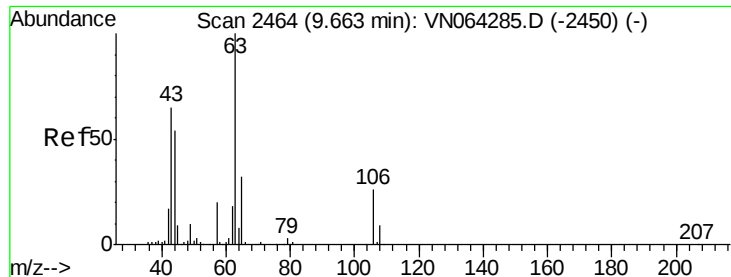


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.98

Time-->



#55

2-Chloroethyl vinyl ether

Concen: 90.125 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

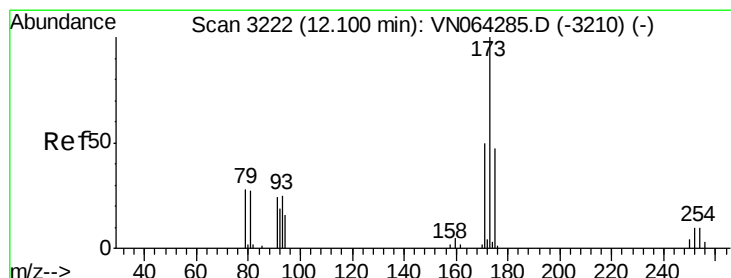
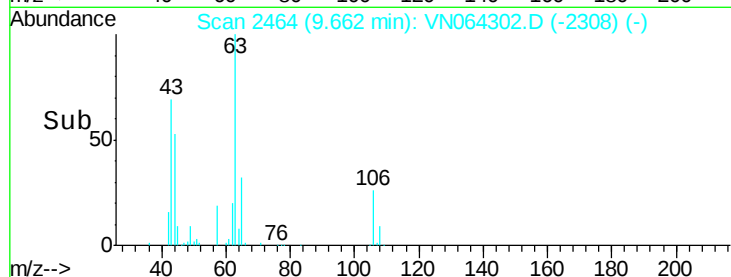
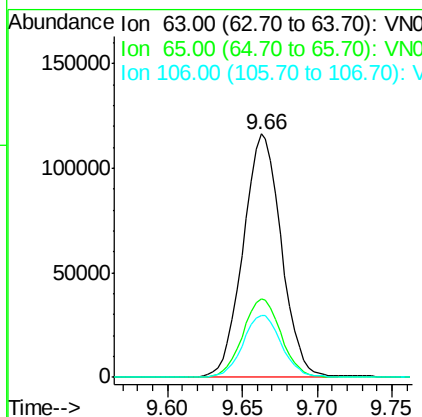
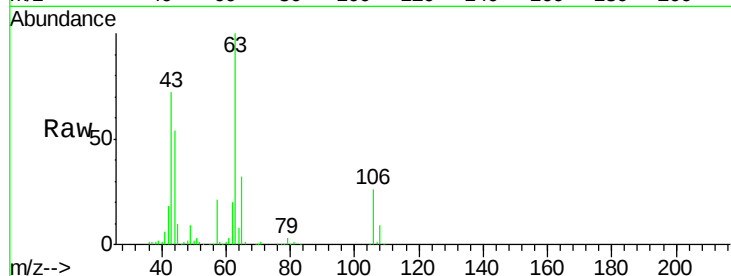
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	206761
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.2	37.8
106	25.9	20.6	31.0

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#56

Bromoform

Concen: 16.601 ug/l

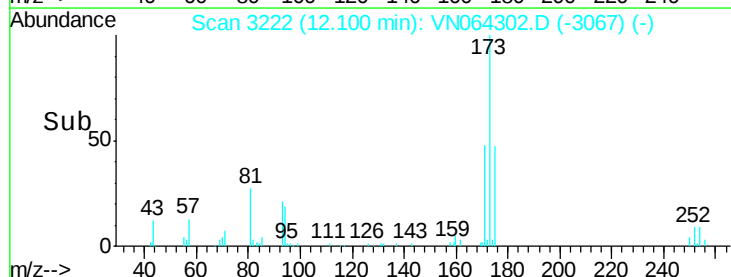
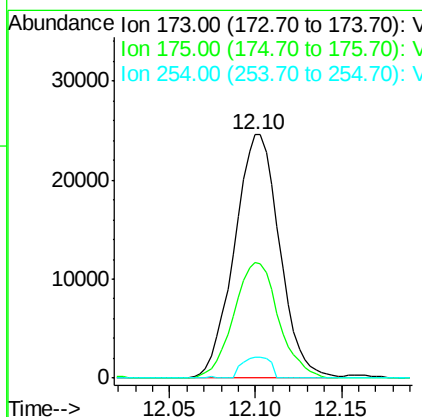
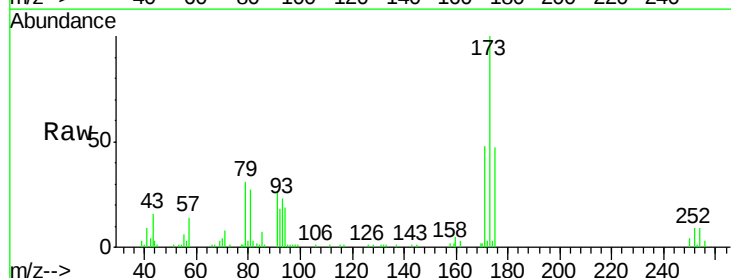
RT: 12.10 min Scan# 3222

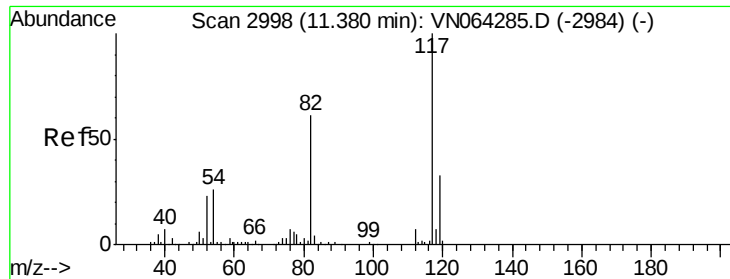
Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	173	Resp:	45017
Ion	Ratio	Lower	Upper
173	100		
175	46.8	39.5	59.3
254	5.4	5.0	7.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

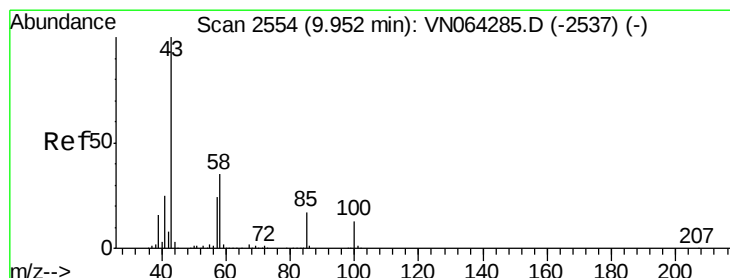
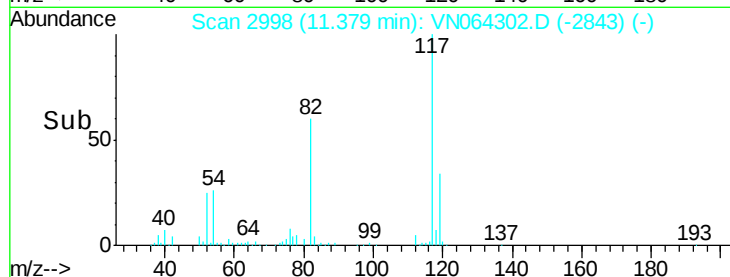
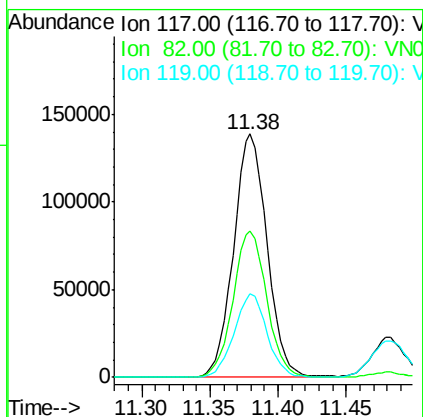
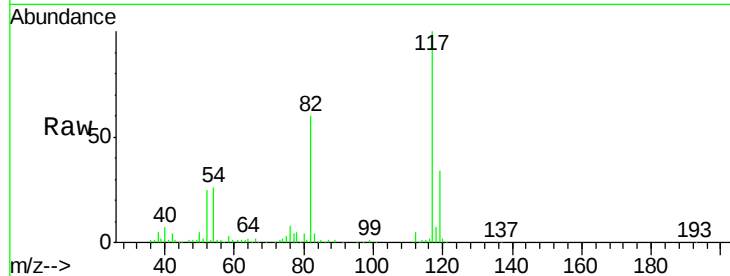
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236568		
82	60.4	47.0	70.6	
119	33.7	24.6	37.0	

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#58

4-Methyl-2-Pentanone

Concen: 85.080 ug/l

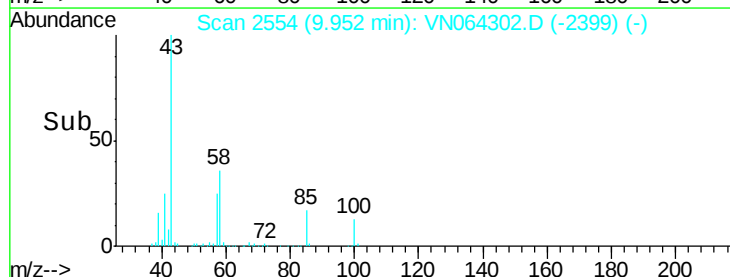
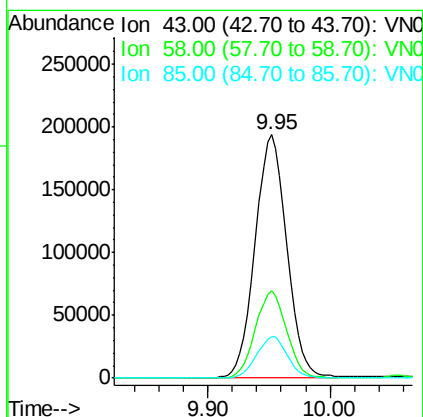
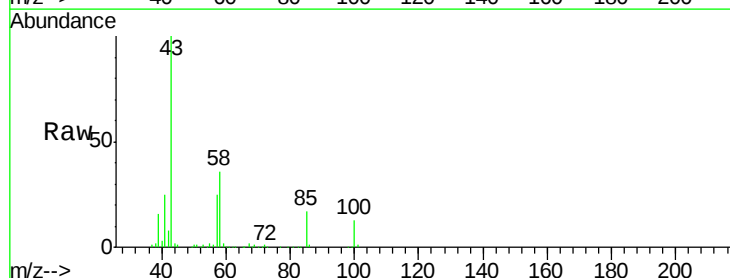
RT: 9.95 min Scan# 2554

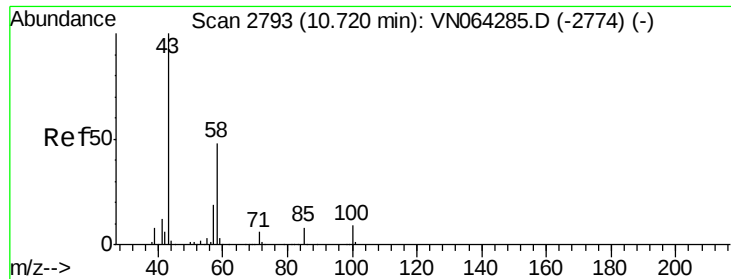
Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	346886		
58	35.5	28.6	43.0	
85	16.6	13.7	20.5	





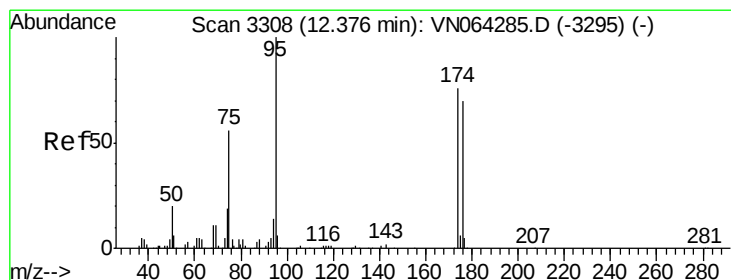
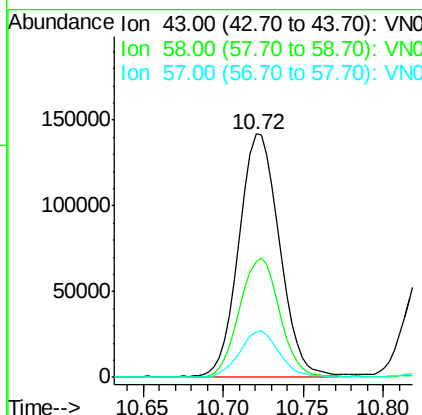
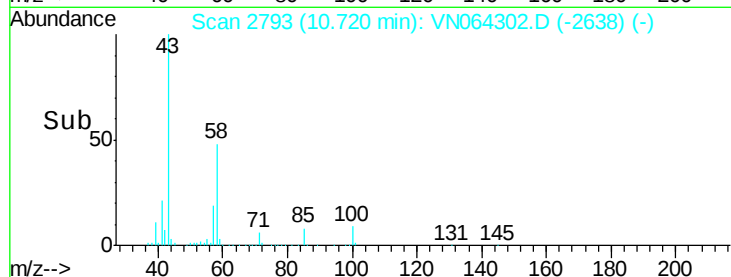
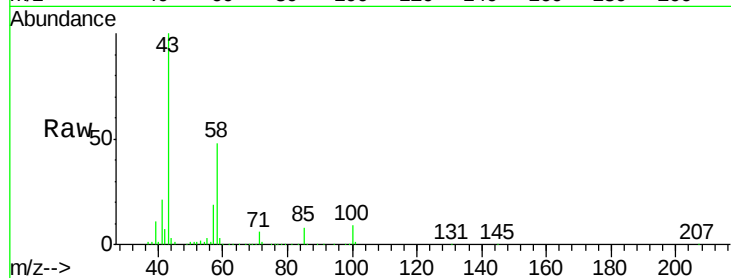
#59
2-Hexanone
Concen: 79.205 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.5	60.7
57	18.9	15.4	23.0

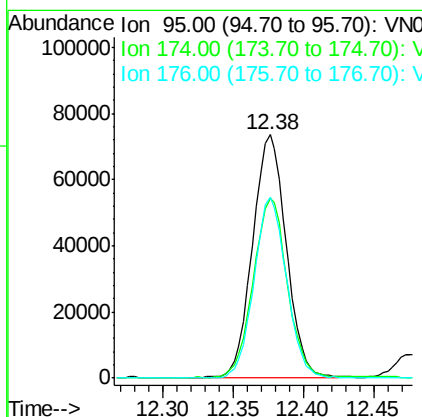
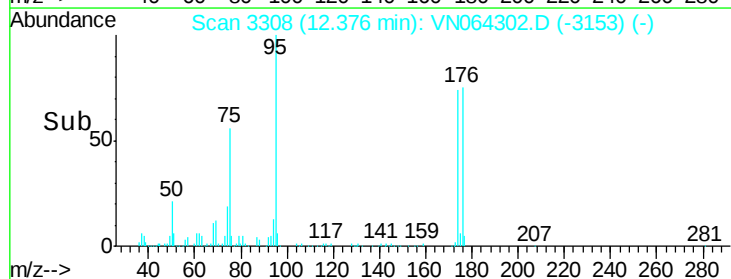
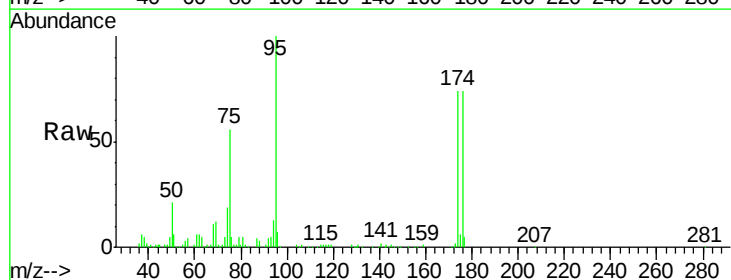
Manual Integrations
APPROVED

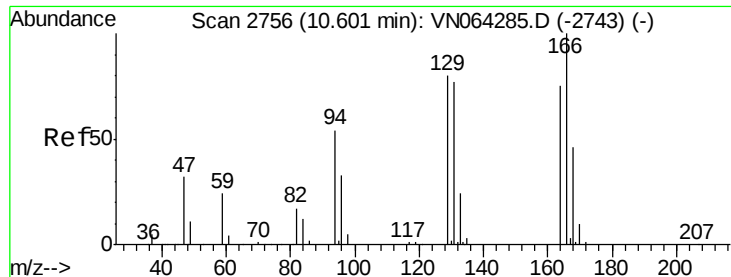
MMDadoda
10/26/2020 1:39:19 PM



#60
4-Bromofluorobenzene
Concen: 29.401 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	57.9	86.9
176	71.3	56.7	85.1





#61

Tetrachloroethene

Concen: 17.461 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 57714

Ion Ratio Lower Upper

164 100

166 123.5 107.4 161.0

129 100.4 84.3 126.5

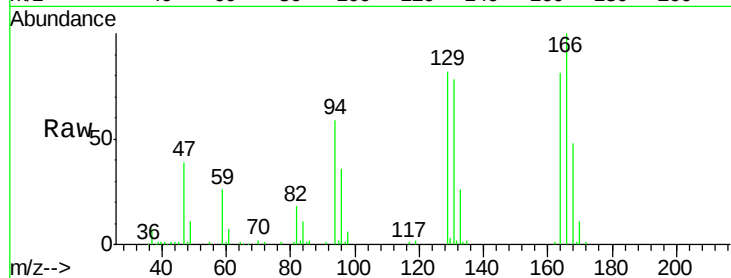
131 95.3 81.1 121.7

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:19 PM

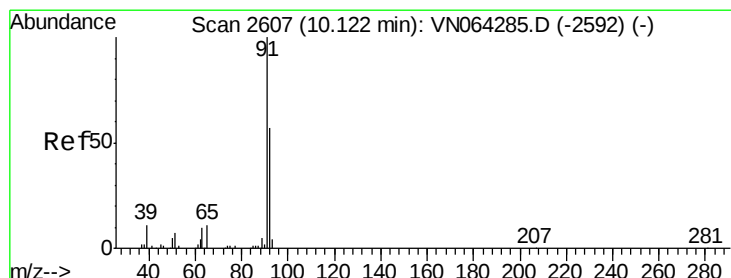
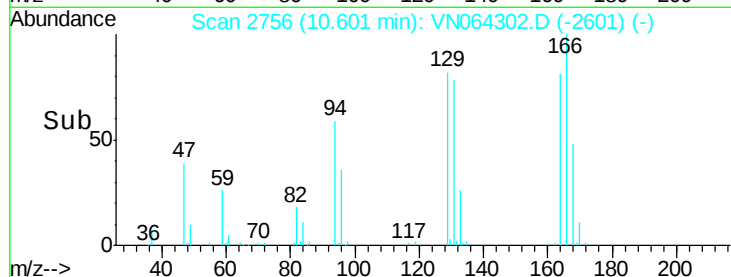
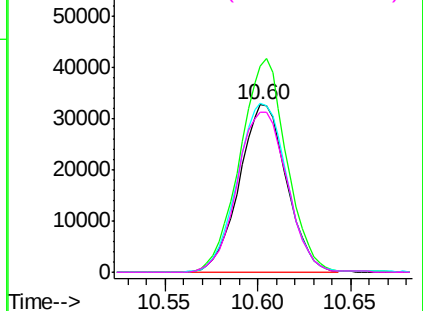


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 17.446 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064302.D

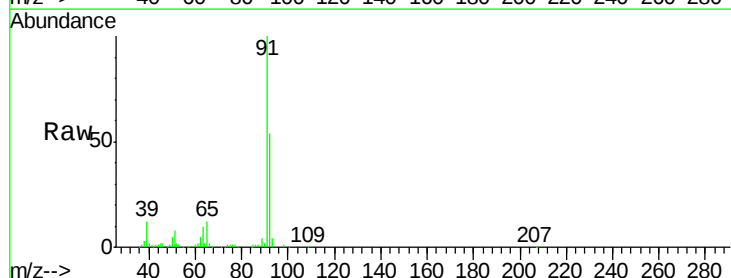
Acq: 23 Oct 2020 22:02

Tgt Ion: 91 Resp: 237580

Ion Ratio Lower Upper

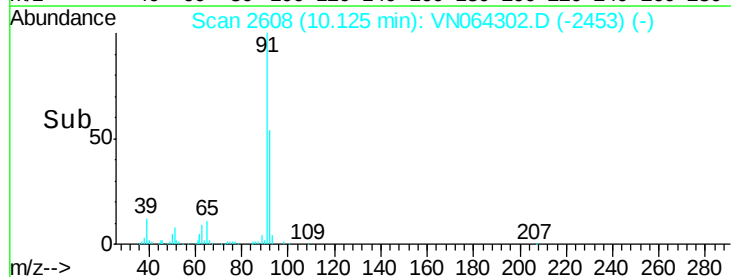
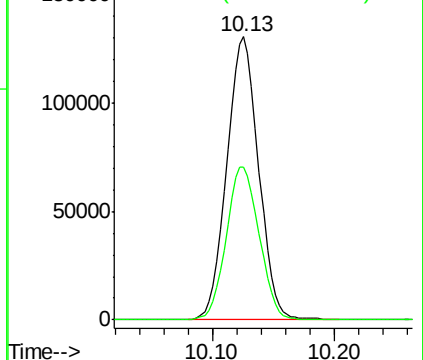
91 100

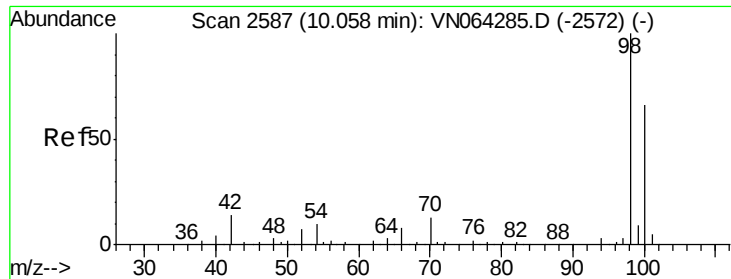
92 55.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





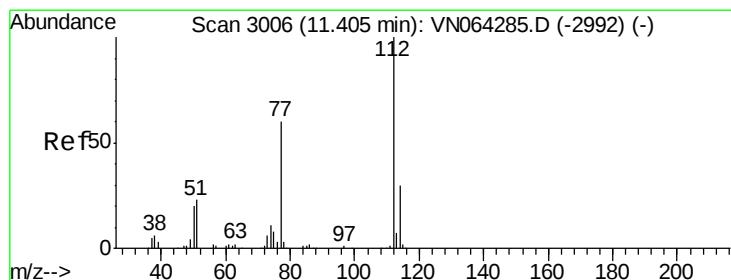
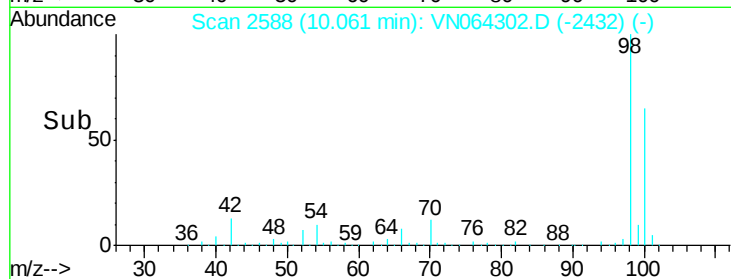
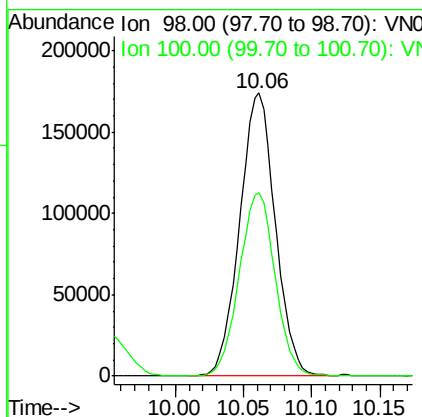
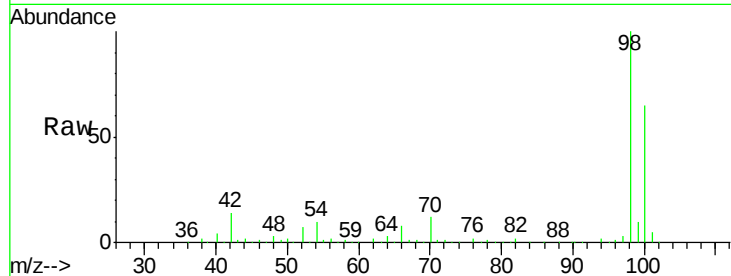
#63
Toluene-d8
Concen: 29.841 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 31532
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5

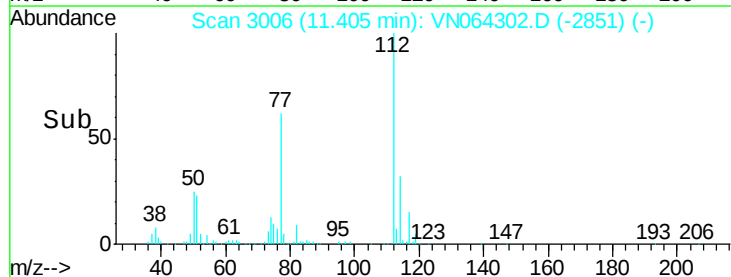
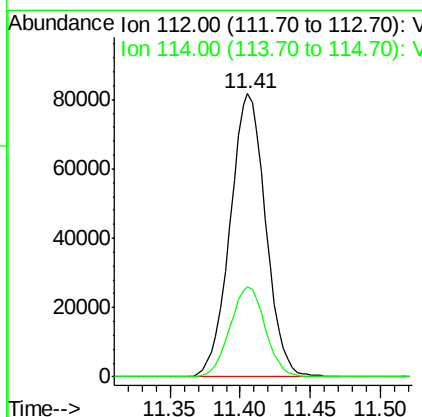
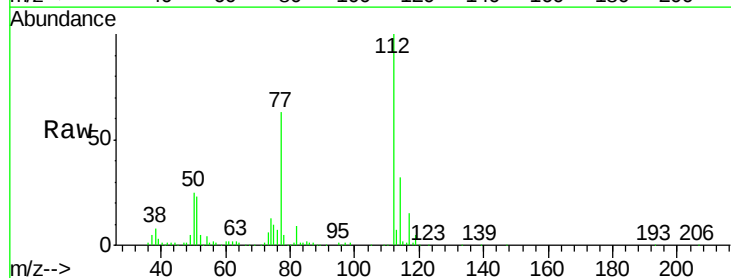
Manual Integrations
APPROVED

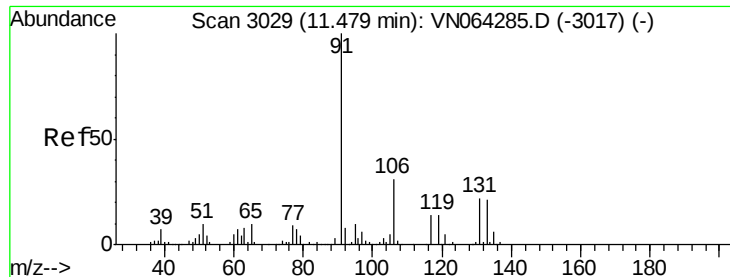
MMDadoda
10/26/2020 1:39:19 PM



#64
Chlorobenzene
Concen: 17.056 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 112 Resp: 144085
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7





#65

1,1,1,2-Tetrachloroethane

Concen: 17.214 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 58090

Ion Ratio Lower Upper

131 100

133 93.0 0.0 193.4

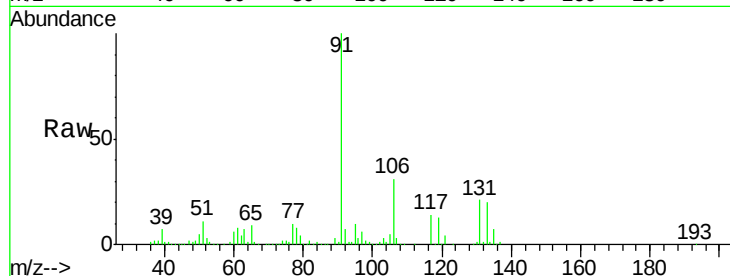
119 65.4 0.0 125.2

Manual Integrations

APPROVED

MMDadoda

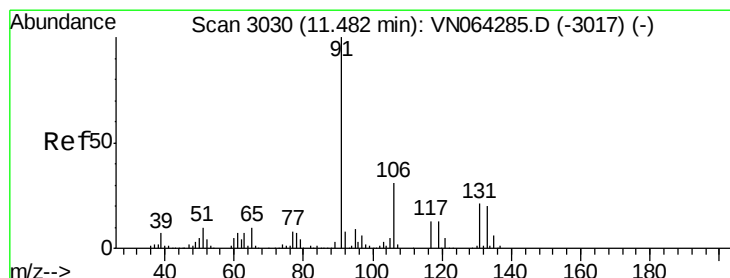
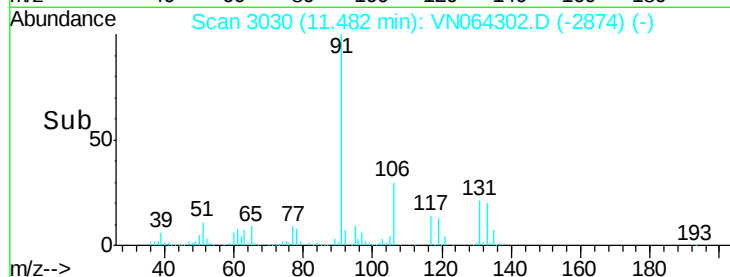
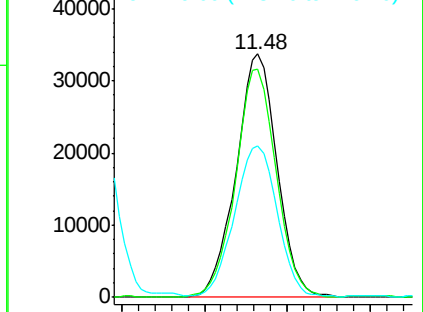
10/26/2020 1:39:19 PM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.155 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064302.D

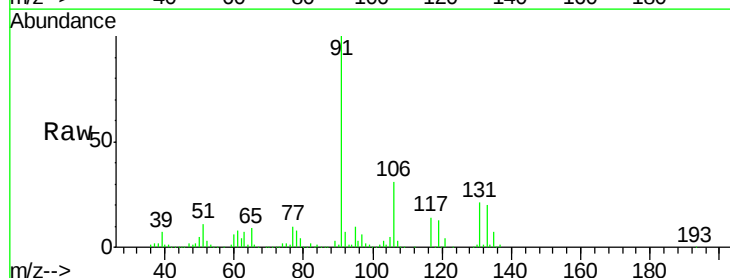
Acq: 23 Oct 2020 22:02

Tgt Ion: 91 Resp: 267847

Ion Ratio Lower Upper

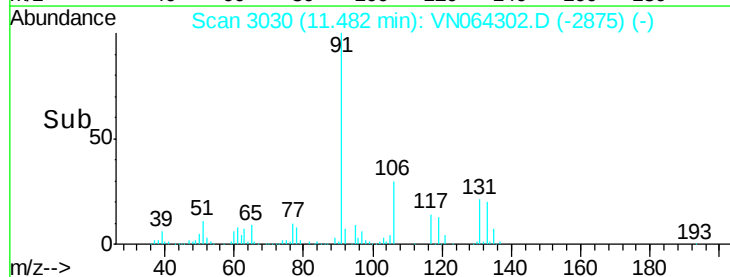
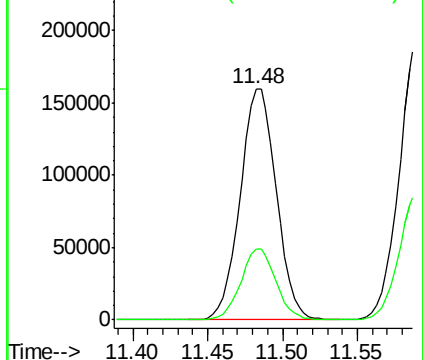
91 100

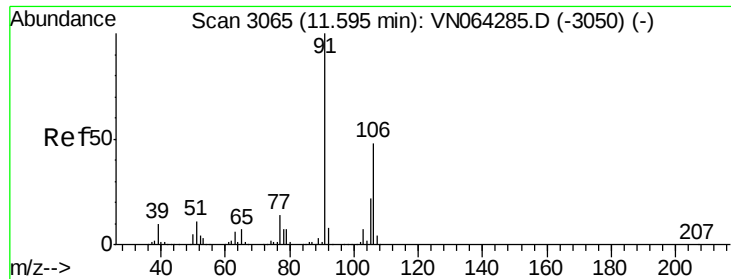
106 30.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 33.892 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 196235

Ion Ratio Lower Upper

106 100

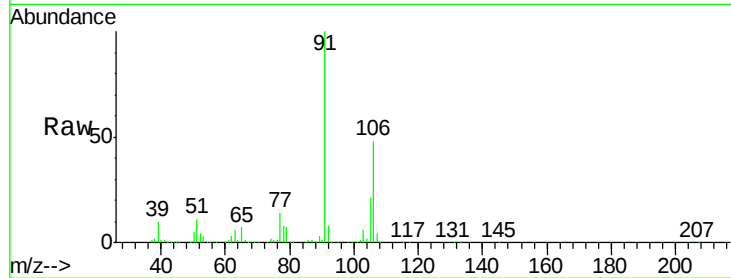
91 213.0 170.6 255.8

Manual Integrations

APPROVED

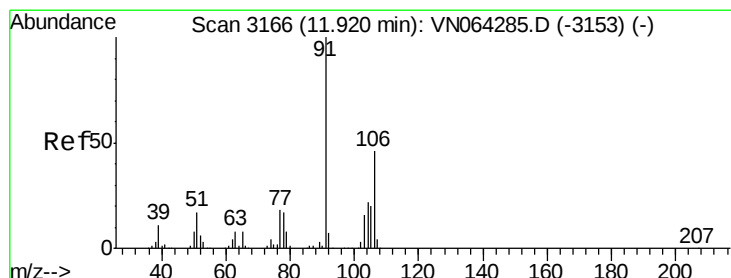
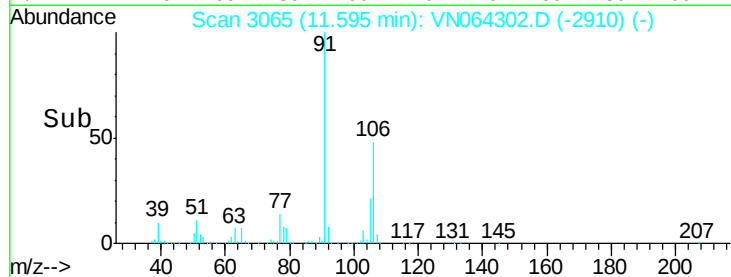
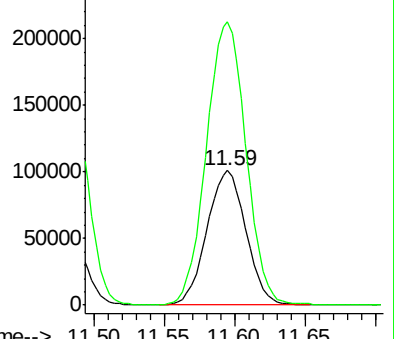
MMDadoda

10/26/2020 1:39:19 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 16.572 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064302.D

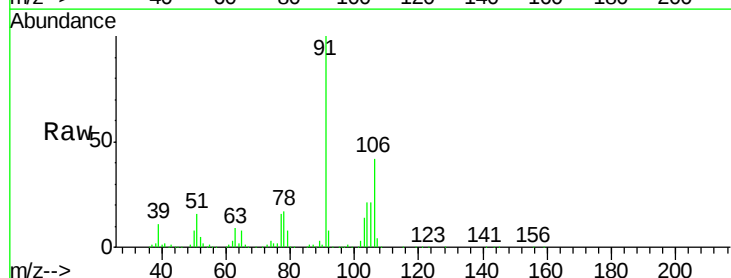
Acq: 23 Oct 2020 22:02

Tgt Ion:106 Resp: 93170

Ion Ratio Lower Upper

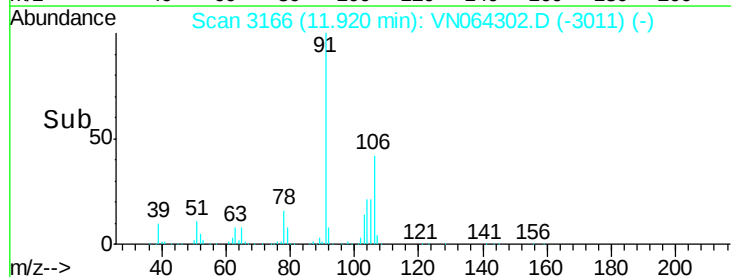
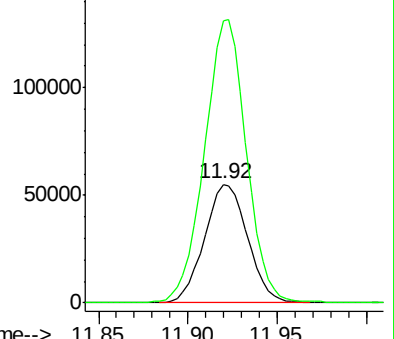
106 100

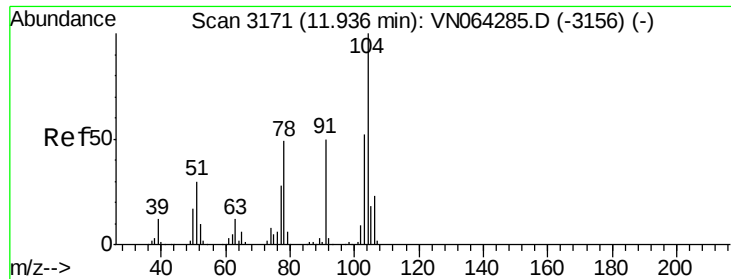
91 229.9 115.3 346.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





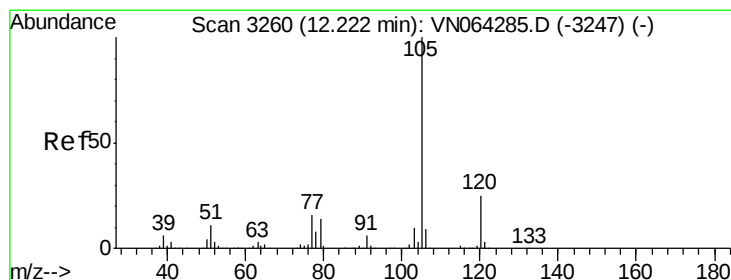
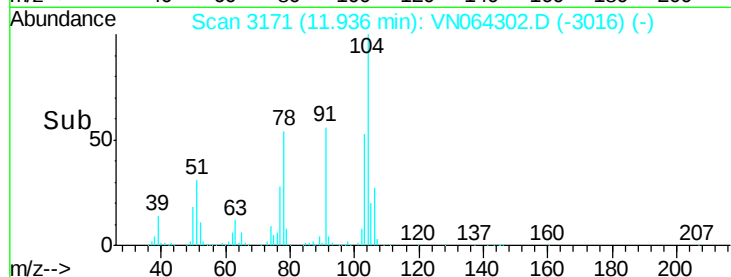
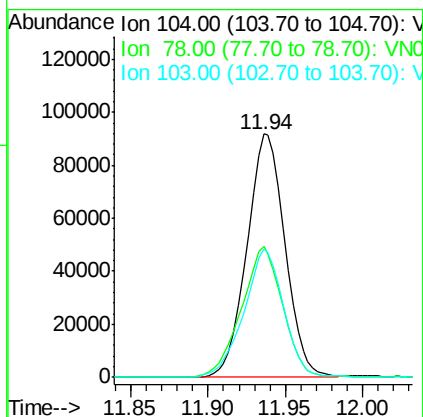
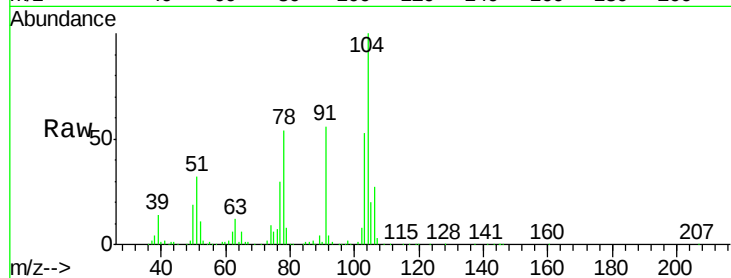
#69
Stvrene
Concen: 16.847 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.6	45.4	68.2
103	54.9	44.6	67.0

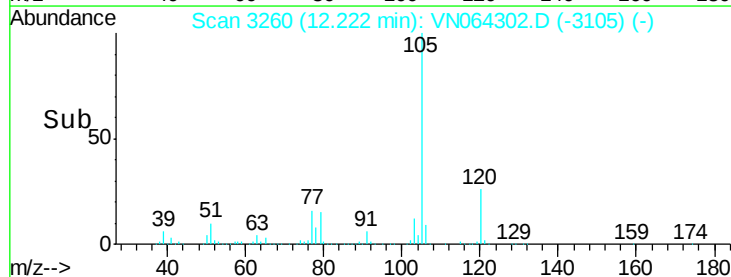
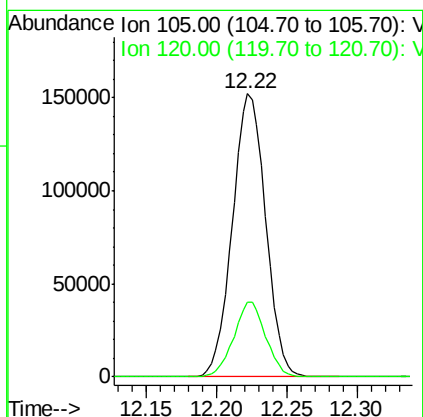
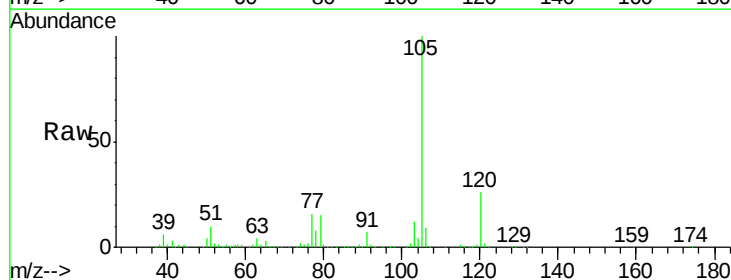
Manual Integrations
APPROVED

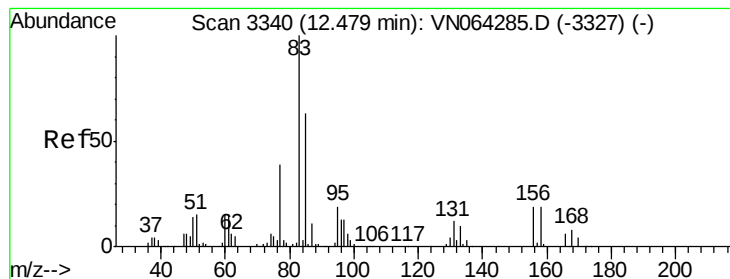
MMDadoda
10/26/2020 1:39:19 PM



#70
Isopropylbenzene
Concen: 16.935 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.6	34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 16.558 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

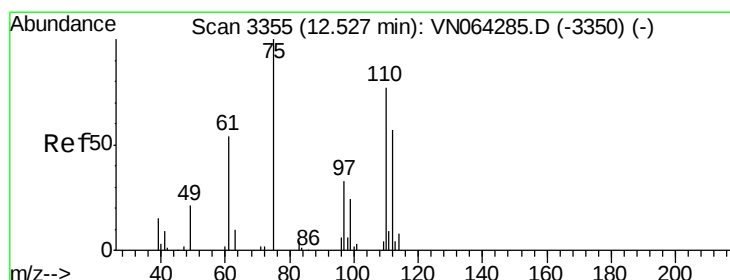
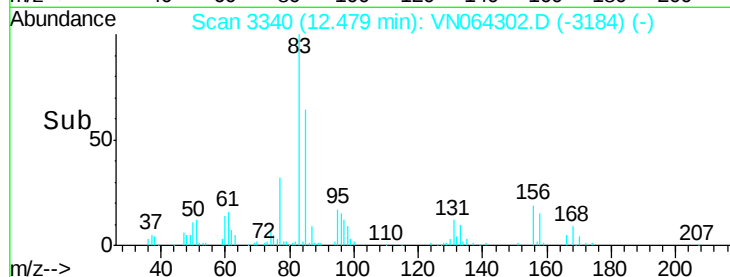
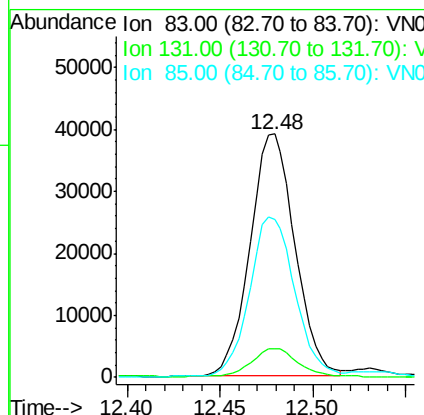
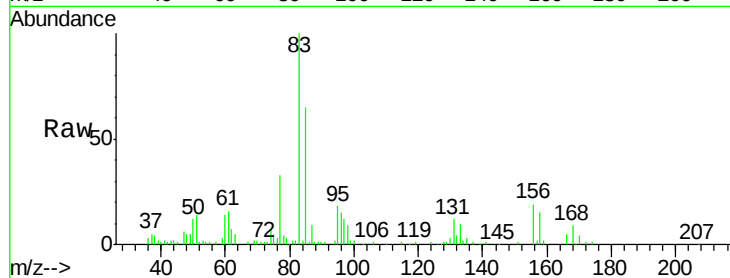
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	66017
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.7	17.0
85	66.3	33.3	99.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#72

1,2,3-Trichloropropane

Concen: 18.059 ug/l m

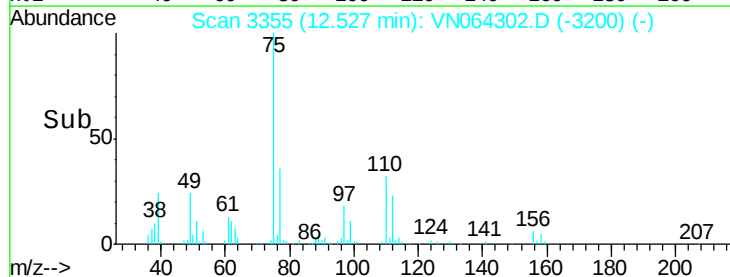
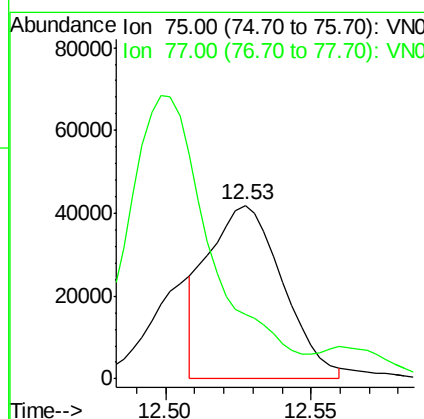
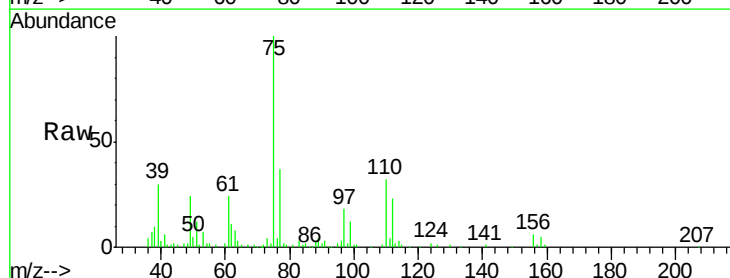
RT: 12.53 min Scan# 3355

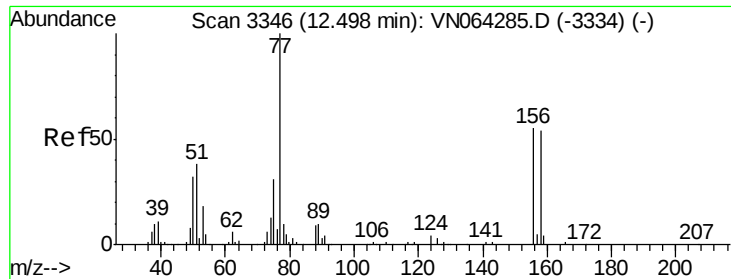
Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	75	Resp:	74768
Ion Ratio	Lower	Upper	
75	100		
77	183.7	0.0	365.2





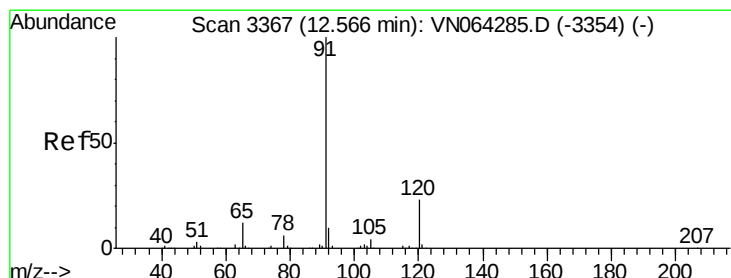
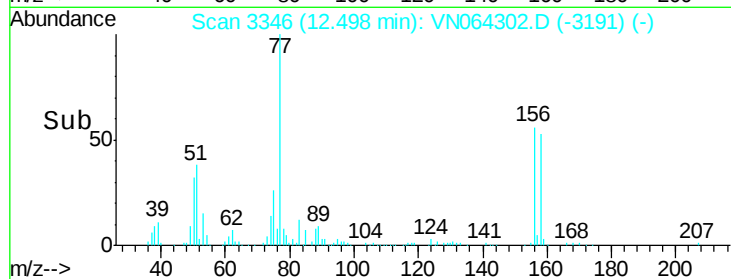
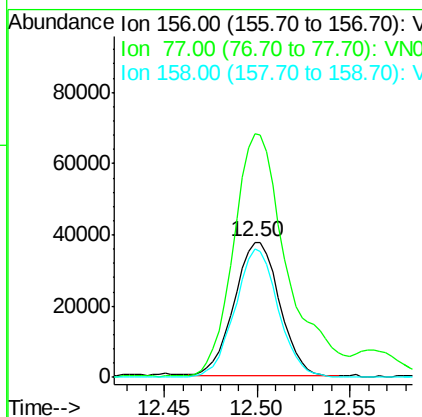
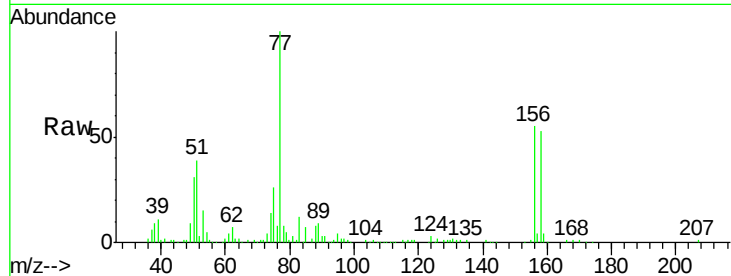
#73
Bromobenzene
Concen: 17.749 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	214.0	0.0	450.2	
158	91.4	0.0	194.8	

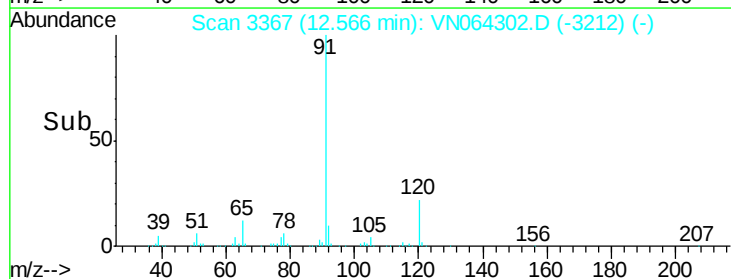
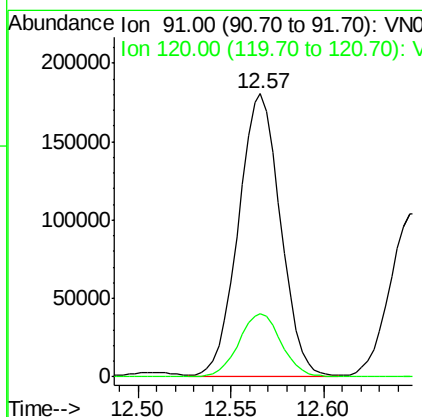
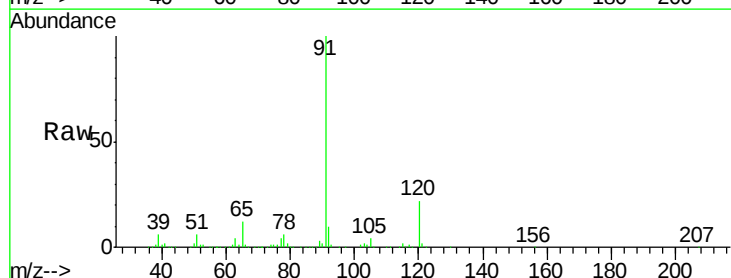
Manual Integrations
APPROVED

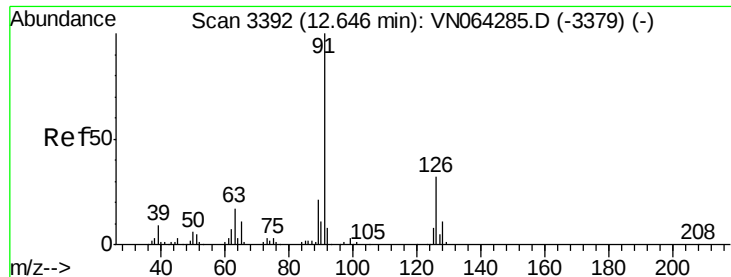
MMDadoda
10/26/2020 1:39:19 PM



#74
n-propylbenzene
Concen: 16.593 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	0.0	43.6	





#75

2-Chlorotoluene

Concen: 17.115 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 180240

Ion Ratio Lower Upper

91 100

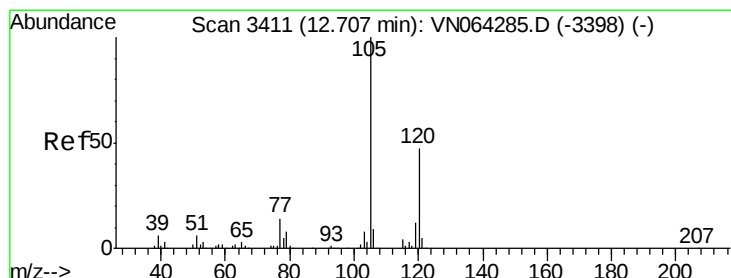
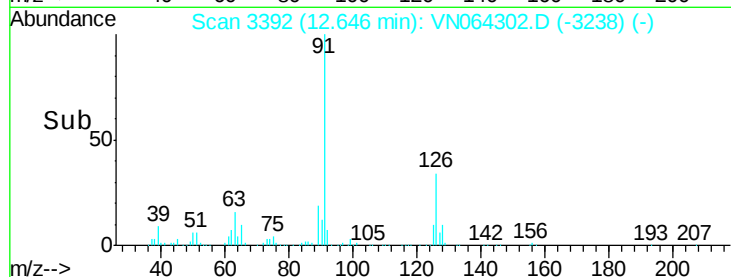
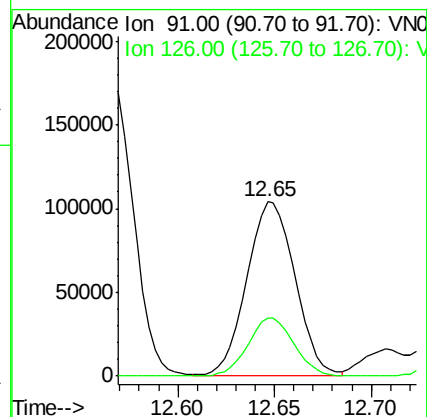
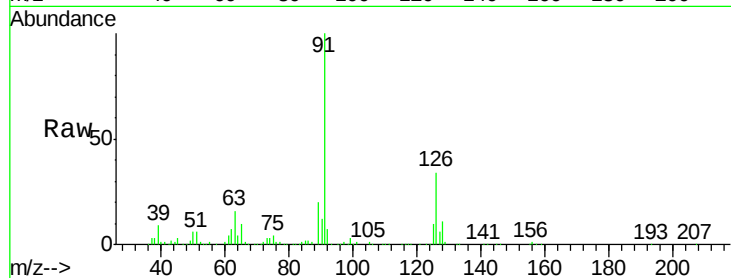
126 31.9 0.0 62.8

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:19 PM



#76

1,3,5-Trimethylbenzene

Concen: 16.826 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064302.D

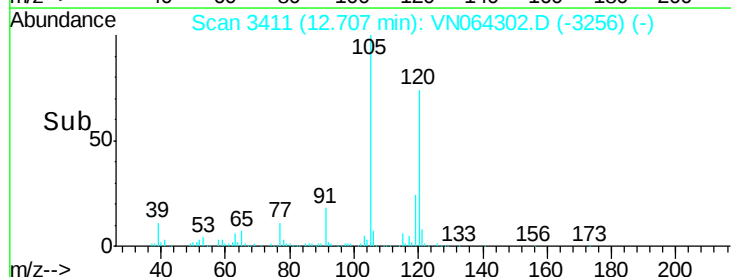
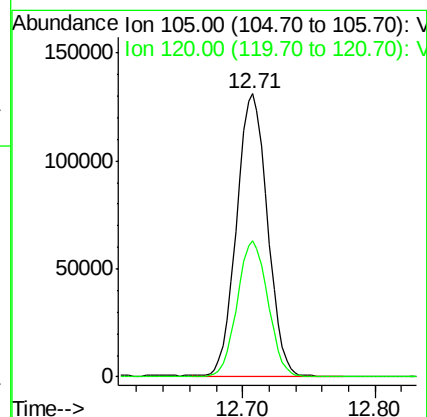
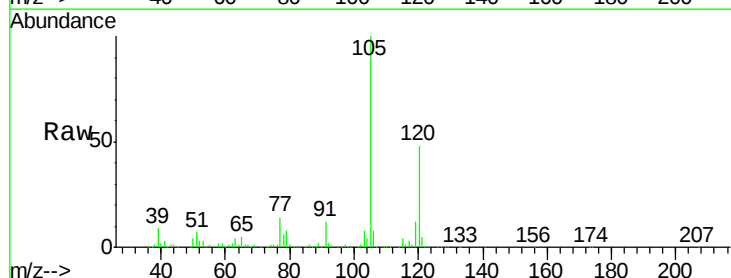
Acq: 23 Oct 2020 22:02

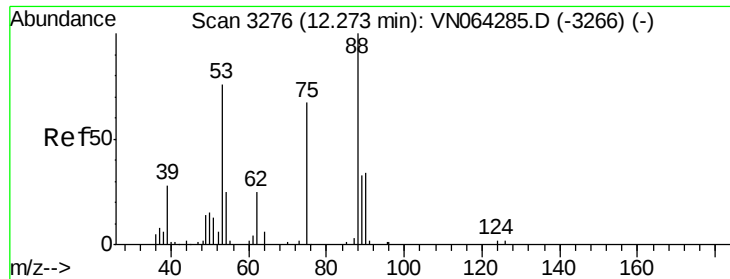
Tgt Ion: 105 Resp: 211976

Ion Ratio Lower Upper

105 100

120 48.0 0.0 92.8





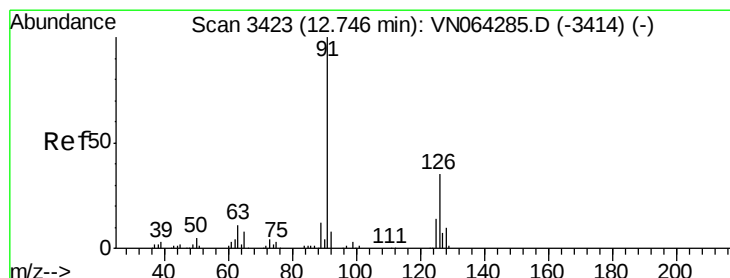
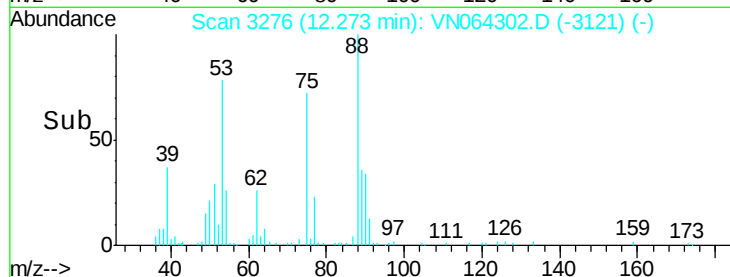
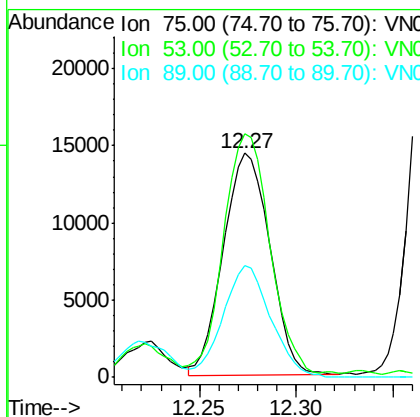
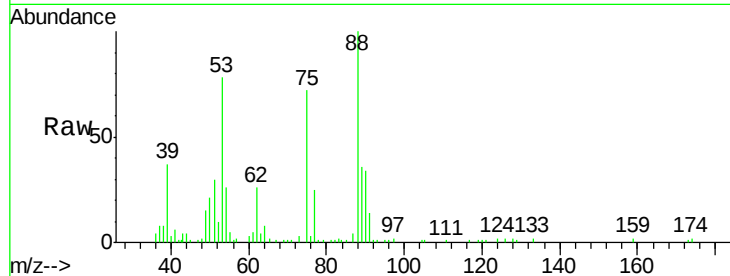
#77
t-1,4-Dichloro-2-butene
Concen: 15.061 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.3	44.8	134.3
89	50.7	22.2	66.6

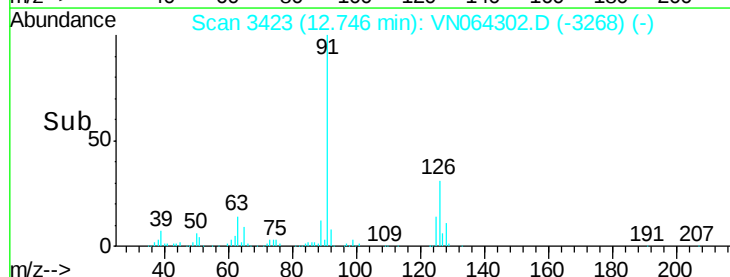
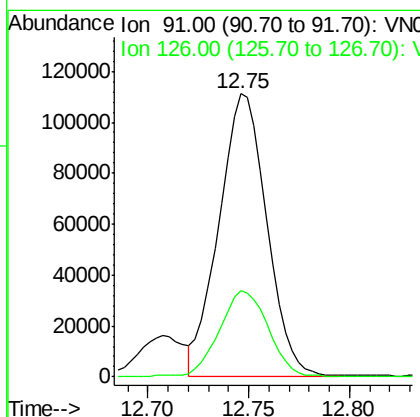
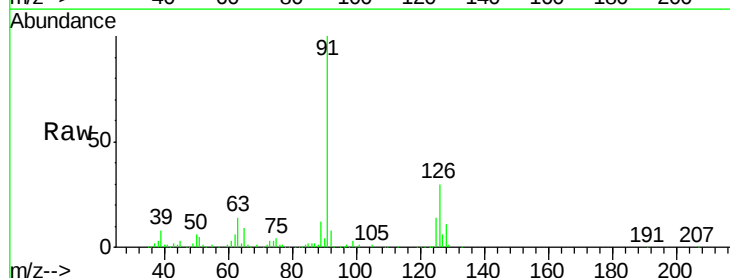
Manual Integrations
APPROVED

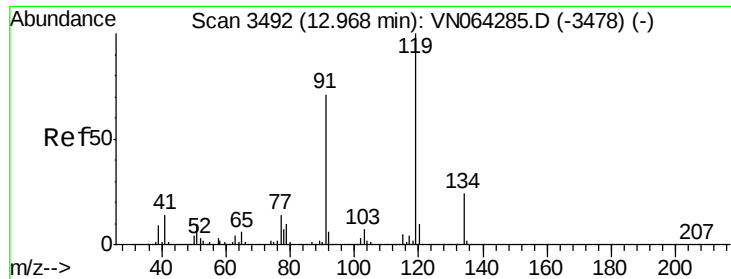
MMDadoda
10/26/2020 1:39:19 PM



#78
4-Chlorotoluene
Concen: 16.678 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	62.2





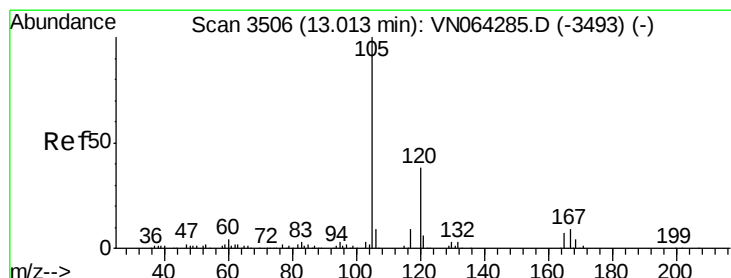
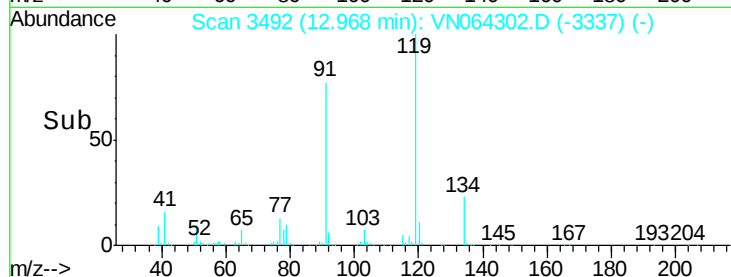
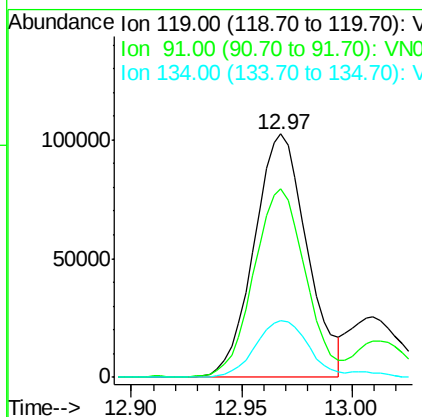
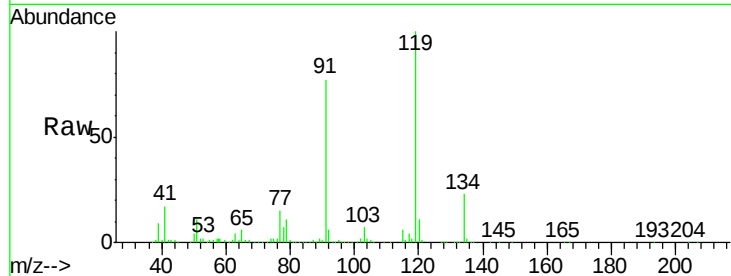
#79
tert-butylbenzene
Concen: 16.605 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170966		
91	75.6		0.0	140.0
134	23.1		0.0	45.8

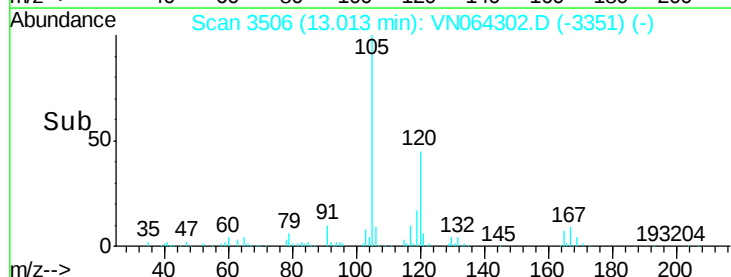
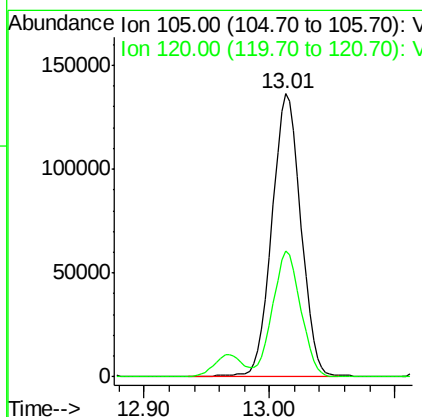
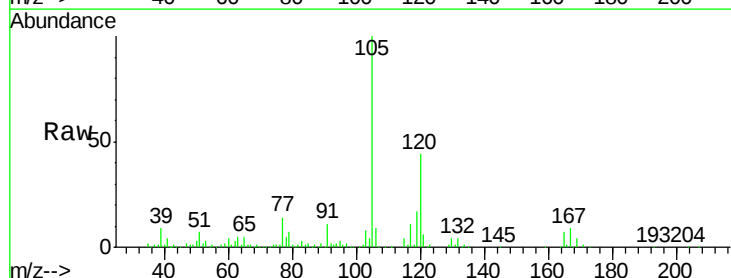
Manual Integrations
APPROVED

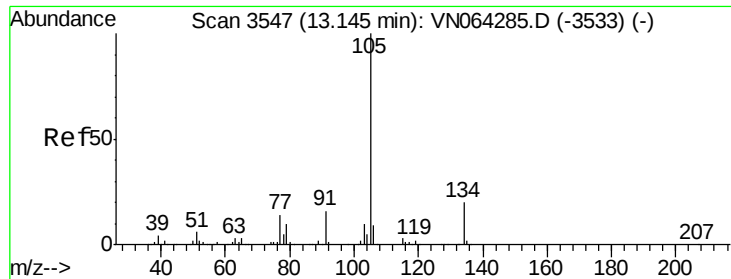
MMDadoda
10/26/2020 1:39:19 PM



#80
1,2,4-Trimethylbenzene
Concen: 17.187 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219750		
120	43.2		0.0	87.4





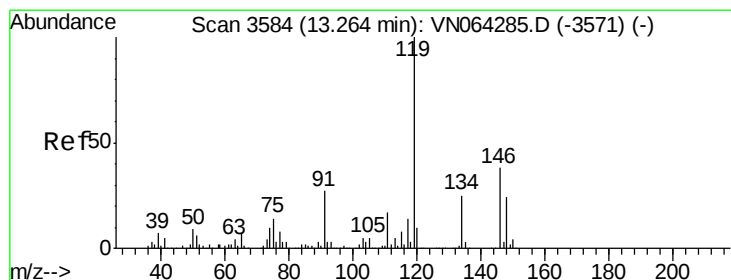
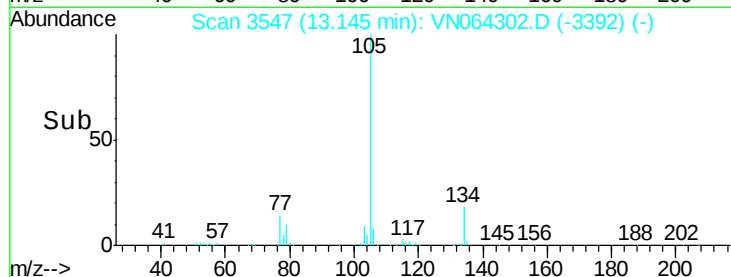
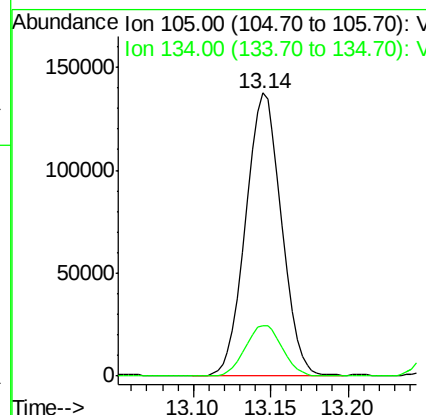
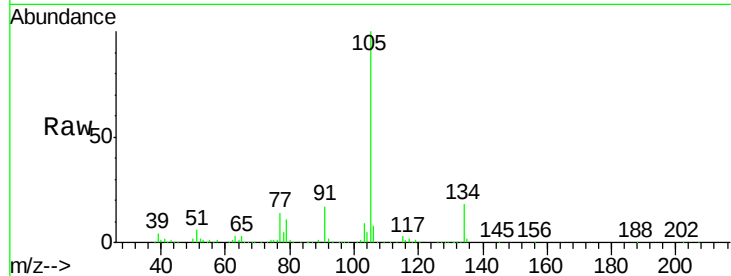
#81
 sec-Butylbenzene
 Concen: 16.507 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	0.0	36.8

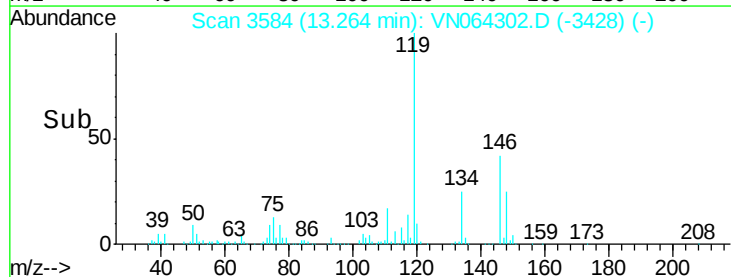
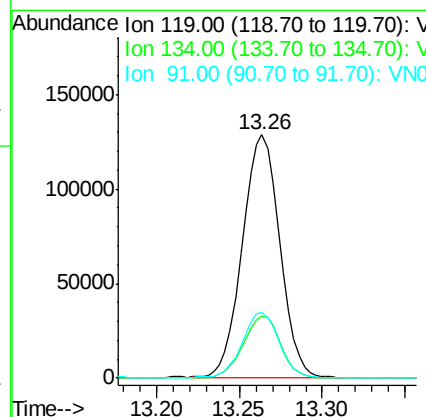
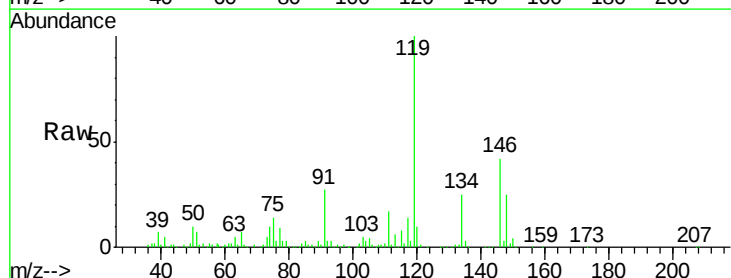
Manual Integrations
 APPROVED

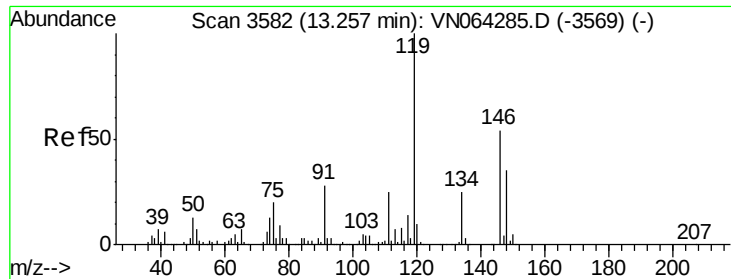
MMDadoda
 10/26/2020 1:39:19 PM



#82
 p-Isopropyltoluene
 Concen: 16.407 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	47.8
91	26.5	0.0	55.8





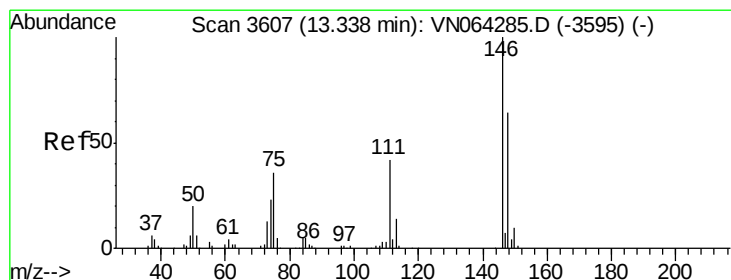
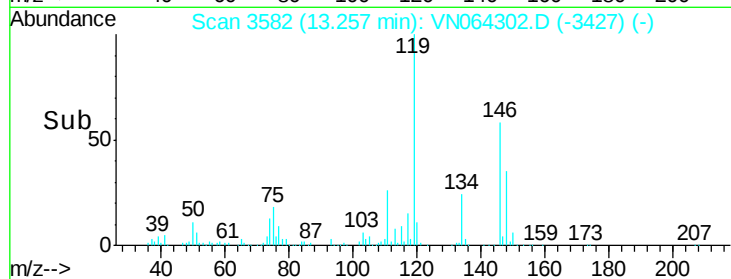
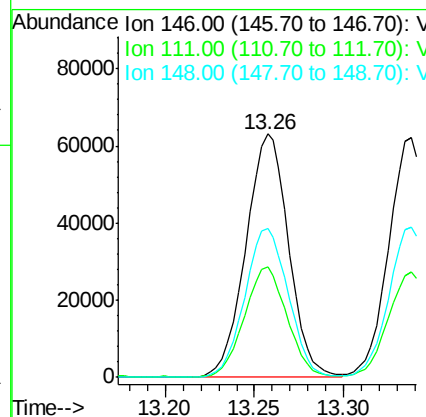
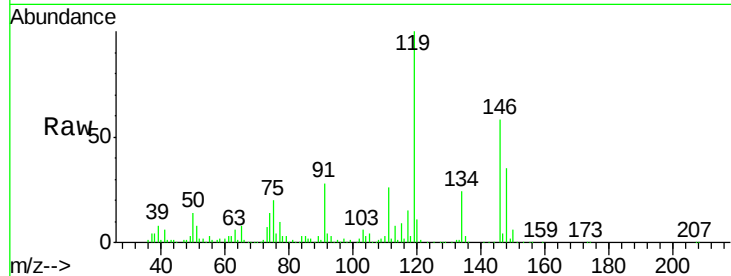
#83
 1,3-Dichlorobenzene
 Concen: 16.599 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	45.2	22.1	66.5	
148	62.2	31.9	95.5	

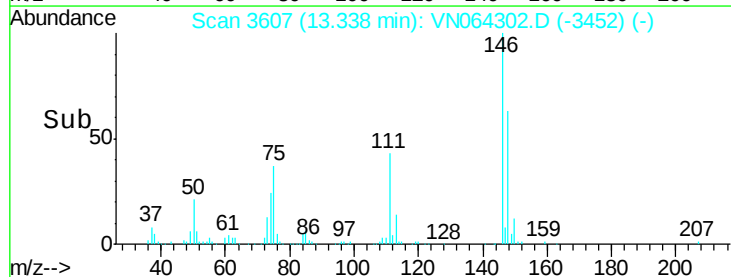
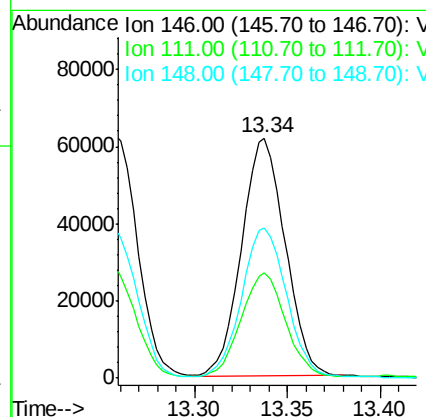
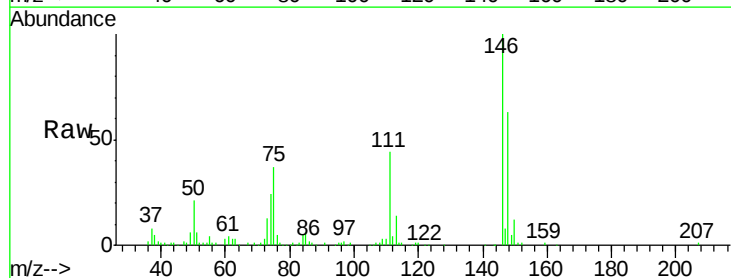
Manual Integrations
 APPROVED

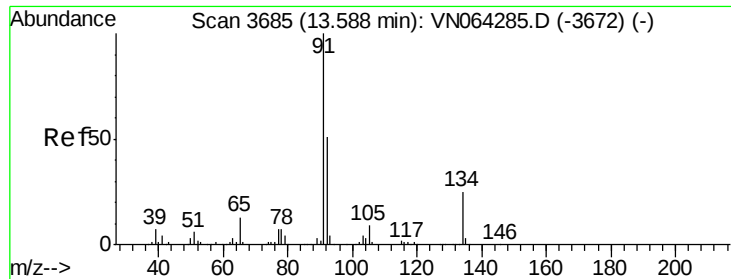
MMDadoda
 10/26/2020 1:39:19 PM



#84
 1,4-Dichlorobenzene
 Concen: 15.573 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	45.4	20.3	61.0	
148	65.8	31.4	94.3	





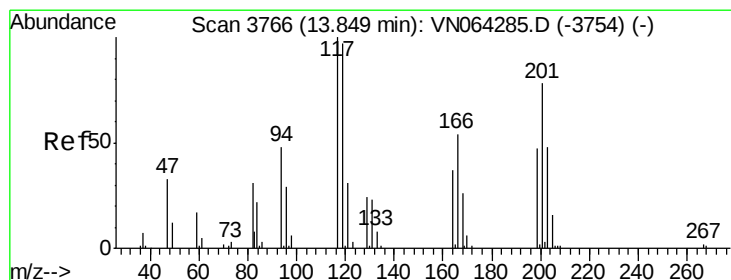
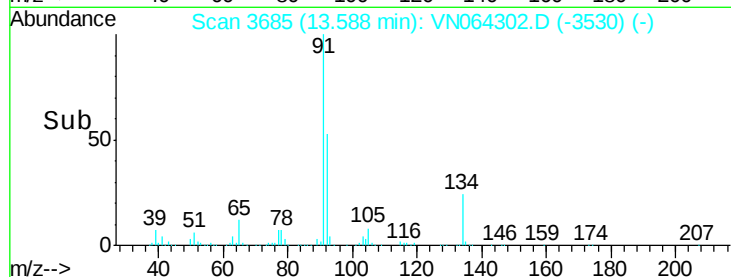
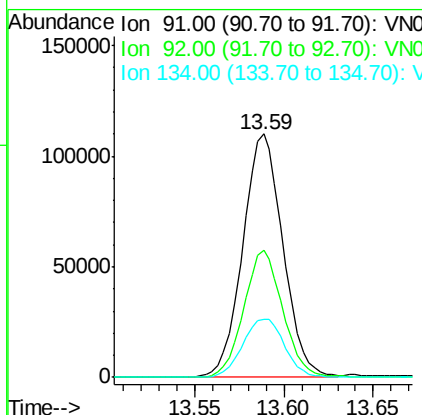
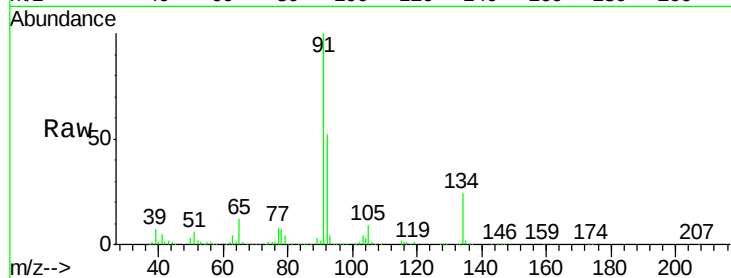
#85
n-Butylbenzene
Concen: 16.089 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	173646		
92	50.6		0.0	110.0
134	25.0		0.0	51.6

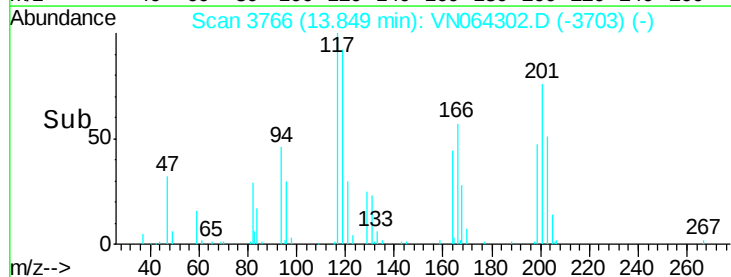
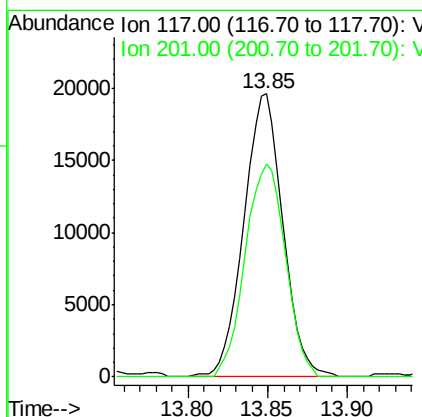
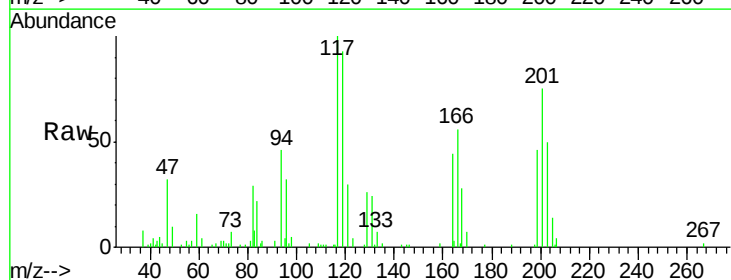
Manual Integrations
APPROVED

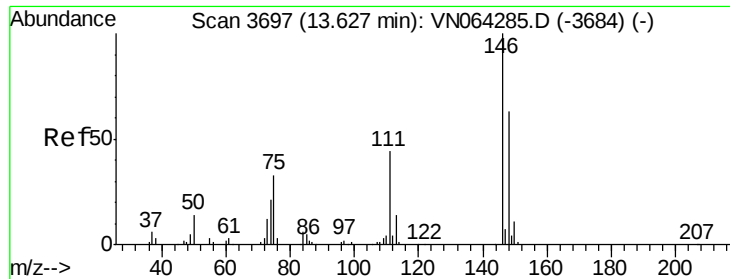
MMDadoda
10/26/2020 1:39:19 PM



#86
Hexachloroethane
Concen: 15.807 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32737		
201	77.1		37.2	111.6





#87

1,2-Dichlorobenzene

Concen: 17.043 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

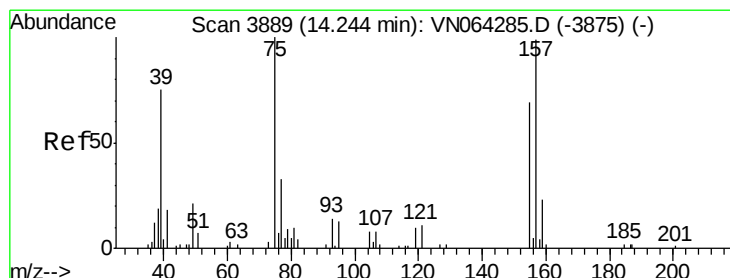
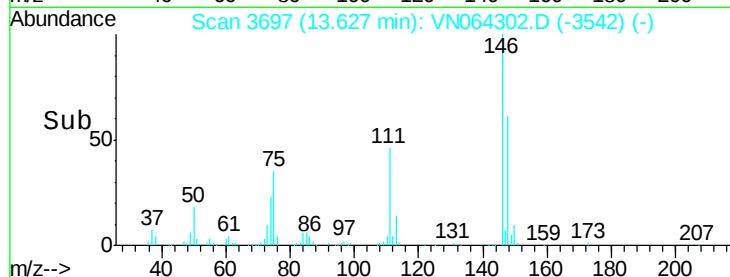
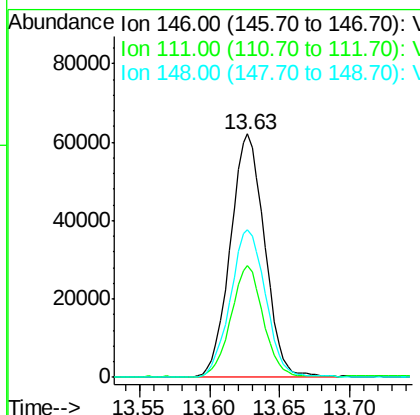
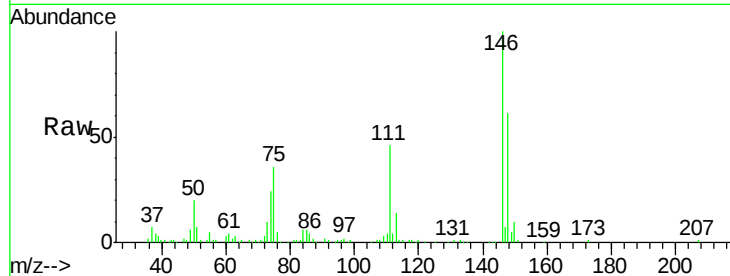
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	106050
Ion Ratio	Lower	Upper	
146	100		
111	43.5	23.1	69.3
148	61.8	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.470 ug/l

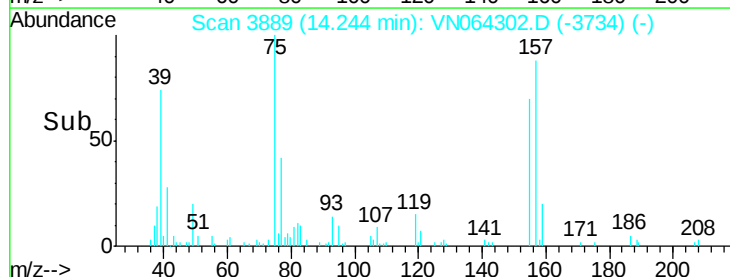
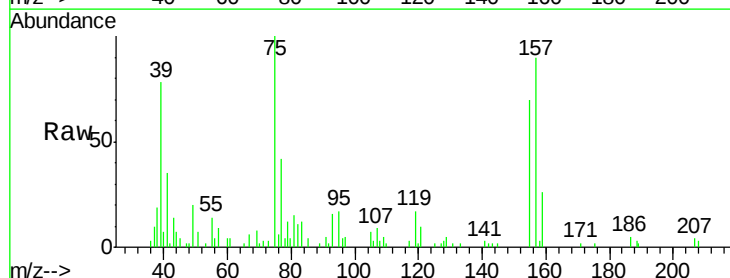
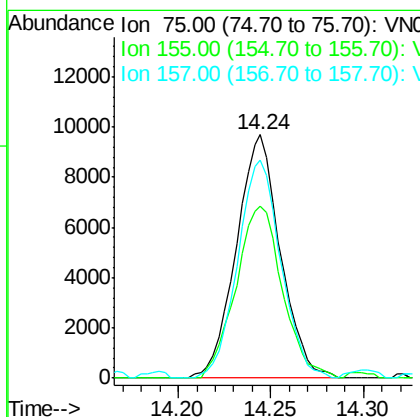
RT: 14.24 min Scan# 3889

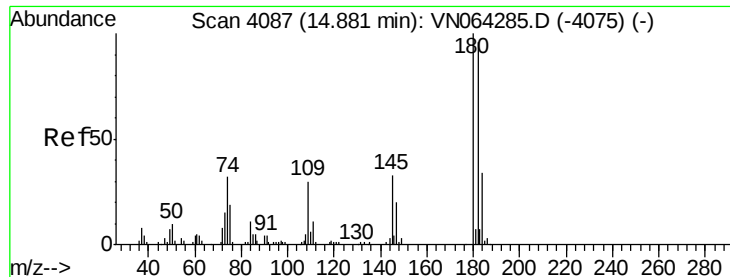
Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Tgt Ion:	75	Resp:	16001
Ion Ratio	Lower	Upper	
75	100		
155	74.8	56.6	84.8
157	88.2	70.1	105.1





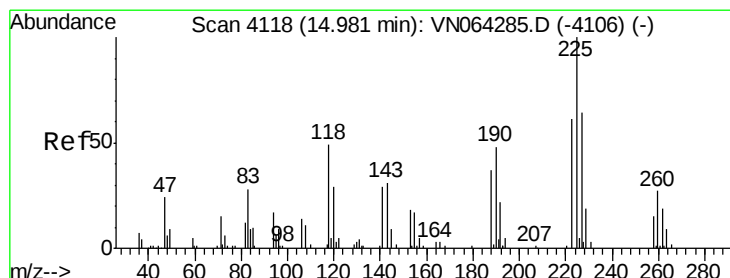
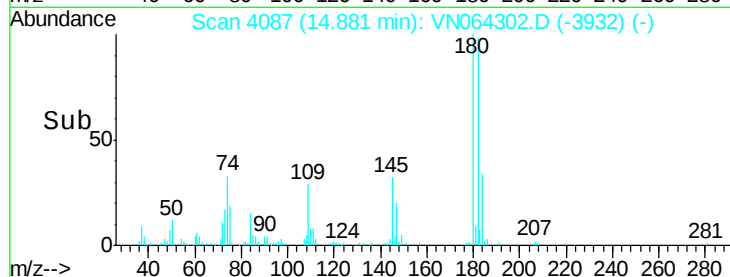
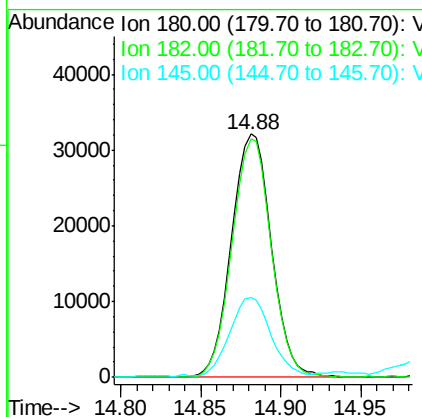
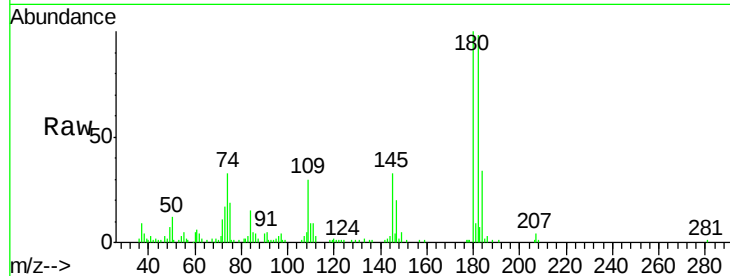
#89
 1,2,4-Trichlorobenzene
 Concen: 15.404 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	71.3	106.9
145	34.2	23.9	35.9

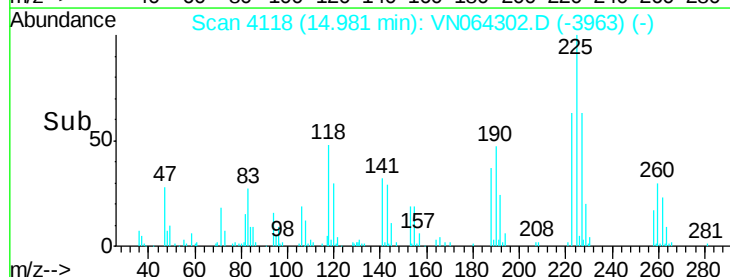
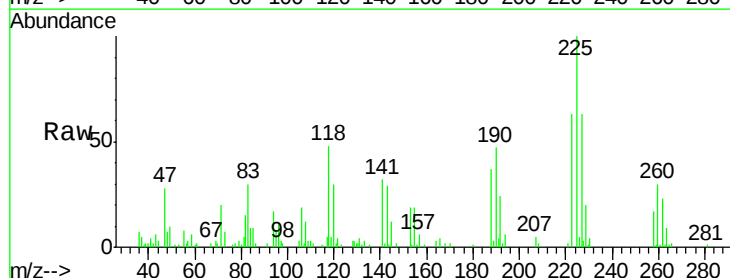
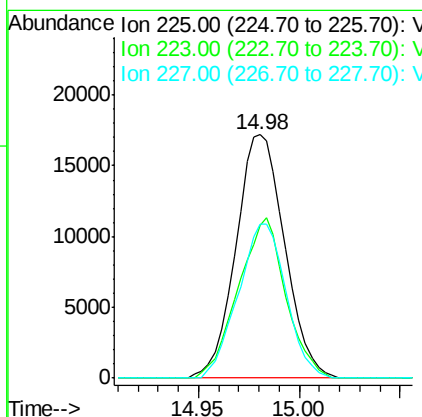
Manual Integrations
 APPROVED

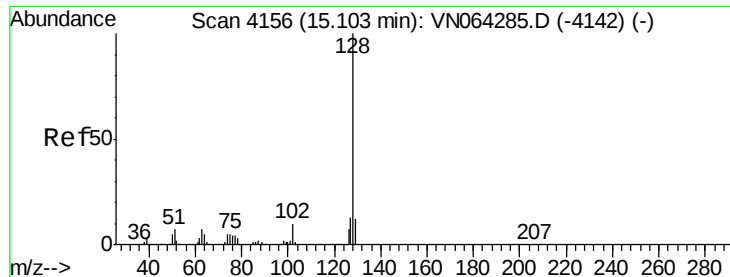
MMDadoda
 10/26/2020 1:39:19 PM



#90
 Hexachlorobutadiene
 Concen: 14.947 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	129.8
227	62.1	0.0	128.6





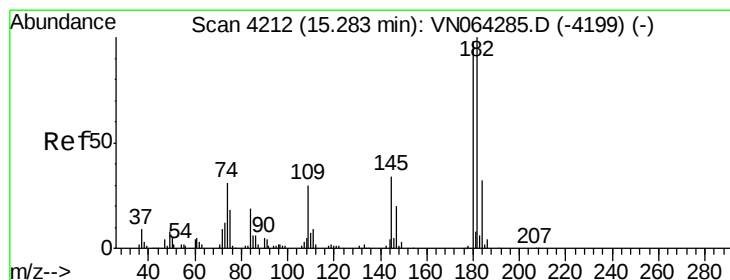
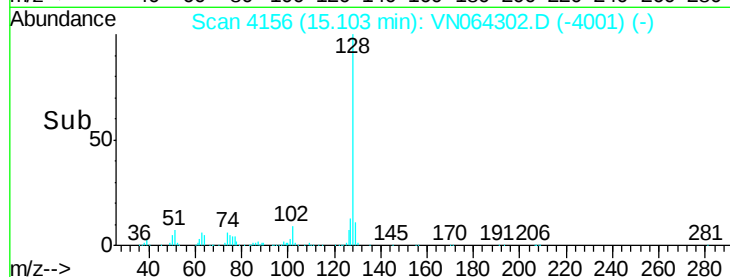
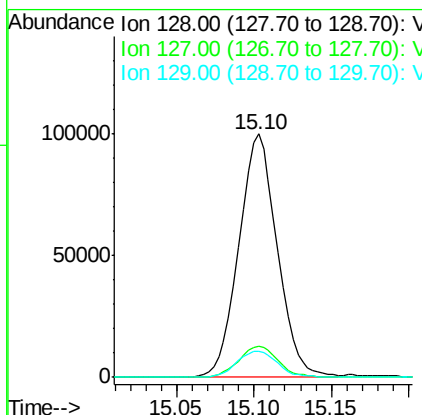
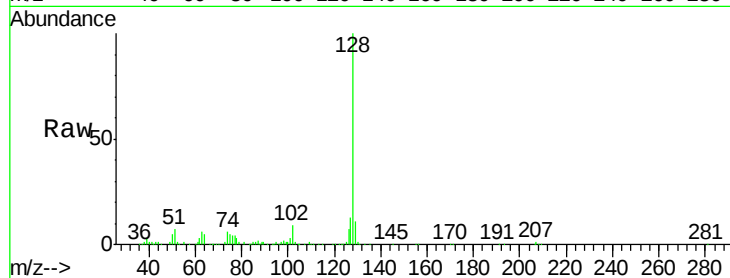
#91
Naphthalene
Concen: 16.496 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	11.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:19 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.321 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	188.8
145	32.2	0.0	70.0

