

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064416.D
 Acq On : 2 Nov 2020 15:24
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	61956	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	333843	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	303824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	138387	25.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	84.23%#
60) 4-Bromofluorobenzene	12.38	95	157278	29.51	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.37%
63) Toluene-d8	10.06	98	403340	29.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	575066	118.071	ug/l 99
3) Chloromethane	2.04	50	602928	130.316	ug/l 95
4) Vinyl Chloride	2.16	62	616628	135.545	ug/l 97
5) Bromomethane	2.51	94	391773	138.493	ug/l 98
6) Chloroethane	2.66	64	363812	141.748	ug/l 98
7) Trichlorofluoromethane	2.98	101	980909	137.979	ug/l 95
8) Diethyl Ether	3.37	74	324688	145.105	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	494429	136.515	ug/l 98
10) 1,1-Dichloroethene	3.69	96	493668	143.236	ug/l 96
11) Methyl Iodide	3.91	142	726050	148.441	ug/l 98
12) Methyl Acetate	4.27	43	524095	129.763	ug/l 96
13) Acrolein	3.57	56	303385	1020.658	ug/l 92
14) Acrylonitrile	4.93	53	1233344	698.238	ug/l 100
15) Acetone	3.77	58	359888	678.359	ug/l 95
16) Carbon Disulfide	4.01	76	1429816	139.566	ug/l 100
17) Allyl chloride	4.27	41	857147	131.540	ug/l 91
18) Methylene Chloride	4.50	84	556605	140.977	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	546576	144.028	ug/l 94
20) Diisopropyl ether	5.90	45	1893877	142.630	ug/l 99
21) 1,1-Dichloroethane	5.79	63	1032879	138.705	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	635947	145.557	ug/l 99
23) tert-Butyl Alcohol	4.73	59	449787	569.581	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1776707	137.421	ug/l # 64
25) Chloroform	7.33	83	1093389	141.502	ug/l 98
26) Cyclohexane	7.61	56	837343	138.263	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	825353	145.858	ug/l 88
30) 2-Butanone	6.78	43	1833322	683.083	ug/l 99
31) 2,2-Dichloropropane	6.78	77	970875	142.225	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	1045586	145.845	ug/l 99
33) Carbon Tetrachloride	7.73	117	953721	145.705	ug/l 96
34) Benzene	8.00	78	2328738	151.481	ug/l # 88
35) Methacrylonitrile	7.12	41	306300	112.184	ug/l 97
36) 1,2-Dichloroethane	8.08	62	906698	134.482	ug/l 99
37) Trichloroethene	8.80	130	654480	155.593	ug/l 94
38) Methylcyclohexane	9.05	83	758212	139.175	ug/l 97
39) 1,2-Dichloropropane	9.08	63	601044	147.240	ug/l 100
40) Dibromomethane	9.17	93	424342	147.728	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064416.D
 Acq On : 2 Nov 2020 15:24
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	908508	146.692	ug/l	97
42) Vinyl Acetate	5.84	43	7984978	707.181	ug/l	99
43) Ethyl Acetate	6.88	43	743206m	141.415	ug/l	
44) Isopropyl Acetate	8.12	43	1313585	134.070	ug/l	# 80
45) 1,4-Dioxane	9.16	88	184917	2487.813	ug/l	93
46) Methyl methacrylate	9.16	41	657147	137.685	ug/l	96
47) n-amyl Acetate	12.04	43	1201055	145.602	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	1032708	150.210	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	1063483	149.954	ug/l	92
50) 1,1,2-Trichloroethane	10.53	97	579547	150.912	ug/l	95
51) Ethyl methacrylate	10.40	69	878304	149.046	ug/l	93
52) 1,3-Dichloropropane	10.68	76	991461	147.519	ug/l	99
53) Dibromochloromethane	10.87	129	745062	159.104	ug/l	100
54) 1,2-Dibromoethane	10.97	107	625726	152.658	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	2224872	754.536	ug/l	99
56) Bromoform	12.10	173	543667	164.039	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	3695776	679.189	ug/l	97
59) 2-Hexanone	10.72	43	2771973	676.417	ug/l	97
61) Tetrachloroethene	10.60	164	615519	151.372	ug/l	96
62) Toluene	10.12	91	2580626	153.812	ug/l	100
64) Chlorobenzene	11.41	112	1638086	156.369	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	652695	157.930	ug/l	99
66) Ethyl Benzene	11.48	91	2915874	153.612	ug/l	96
67) m/p-Xylenes	11.59	106	2226673	316.713	ug/l	95
68) o-Xylene	11.92	106	1072401	155.413	ug/l	98
69) Styrene	11.94	104	1867985	163.648	ug/l	96
70) Isopropylbenzene	12.22	105	2749447	151.366	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	767975	149.768	ug/l	97
72) 1,2,3-Trichloropropane	12.52	75	786711m	148.200	ug/l	
73) Bromobenzene	12.50	156	736546	163.430	ug/l	97
74) n-propylbenzene	12.57	91	3085835	150.061	ug/l	100
75) 2-Chlorotoluene	12.65	91	1931420	151.239	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	2305726	151.130	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	306839	153.894	ug/l	91
78) 4-Chlorotoluene	12.75	91	2048106	153.645	ug/l	96
79) tert-butylbenzene	12.97	119	1846612	146.492	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2354366	152.769	ug/l	98
81) sec-Butylbenzene	13.14	105	2340561	144.138	ug/l	99
82) p-Isopropyltoluene	13.26	119	2201961	147.939	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	1271806	163.488	ug/l	100
84) 1,4-Dichlorobenzene	13.33	146	1289712	164.692	ug/l	99
85) n-Butylbenzene	13.59	91	1817687	141.247	ug/l	96
86) Hexachloroethane	13.85	117	423539	153.582	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	1242970	162.162	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	178066	141.487	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	678612	160.319	ug/l	96
90) Hexachlorobutadiene	14.98	225	305025	133.672	ug/l	98
91) Naphthalene	15.10	128	2079108	166.052	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	659101	162.610	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064416.D
Acq On : 2 Nov 2020 15:24
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration

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

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

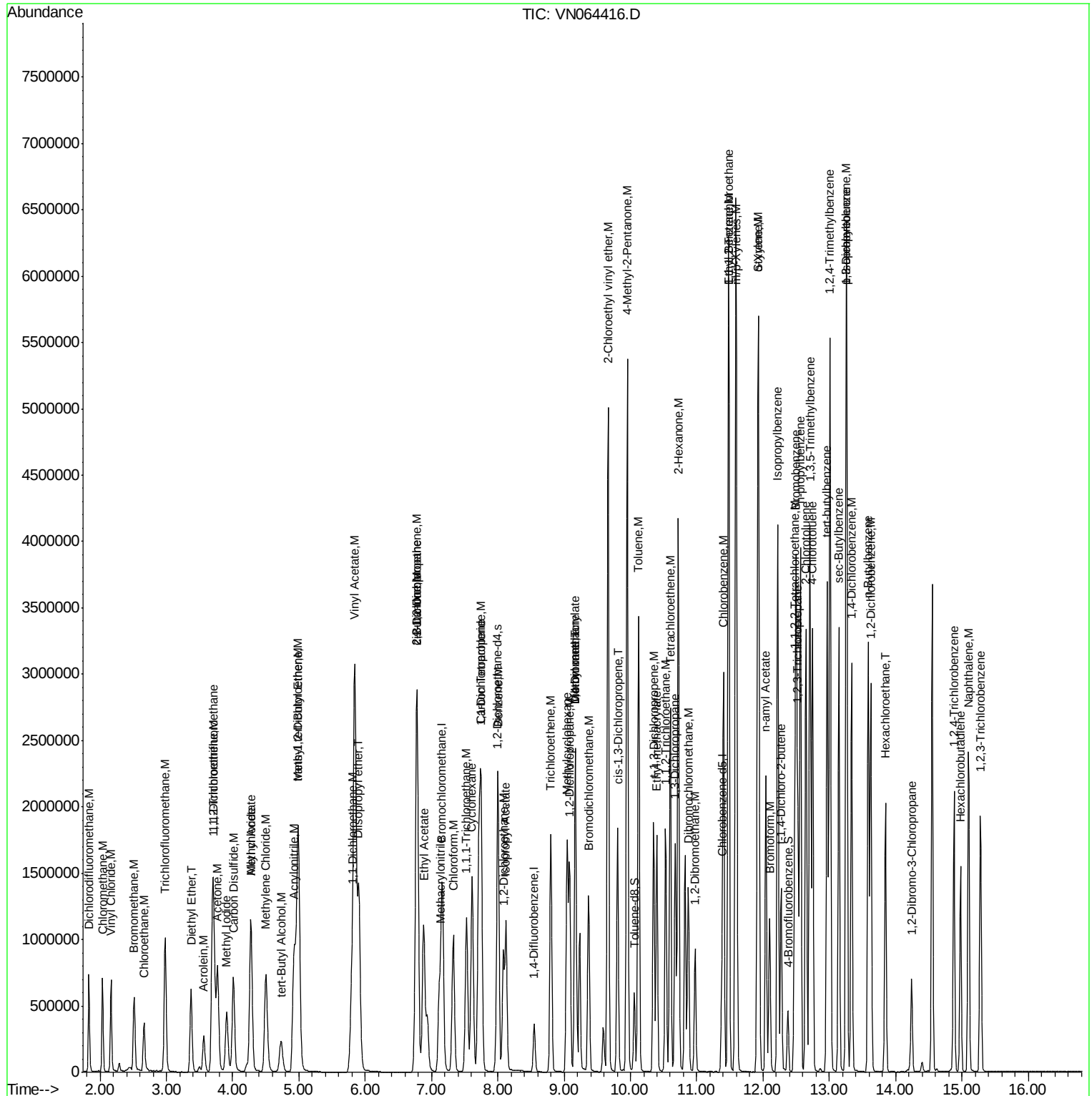
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064416.D
Acq On : 2 Nov 2020 15:24
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

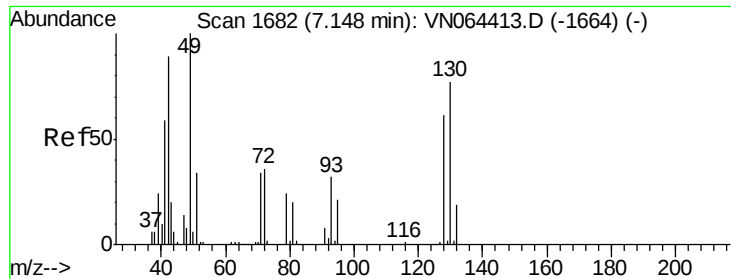
Instrument :
MSVOA_N
Client Sampled :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

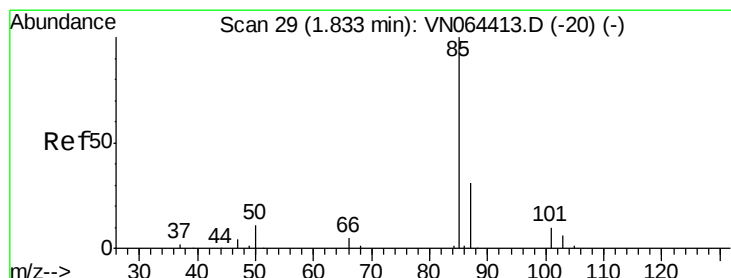
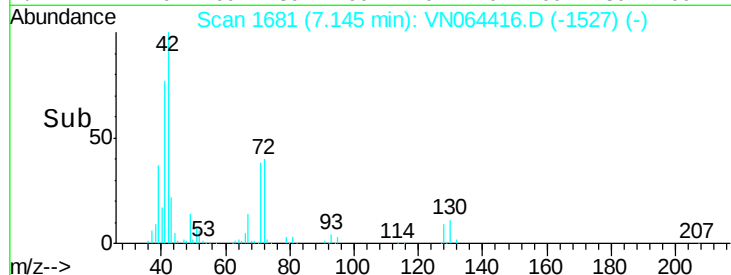
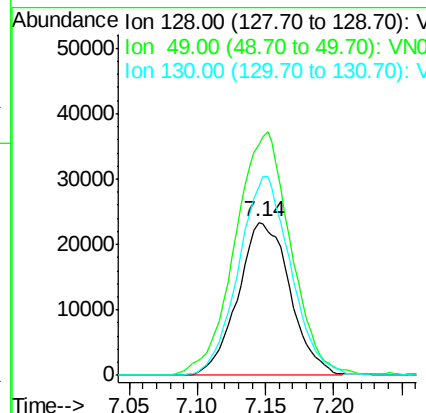
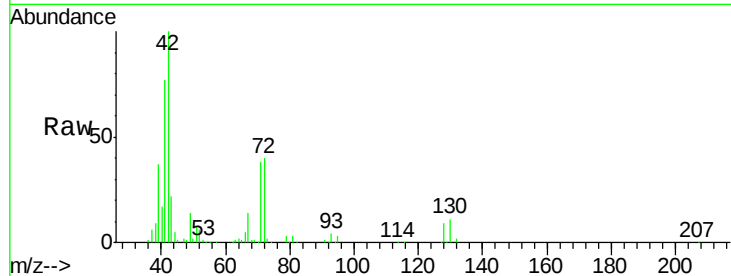
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	170.1	0.0	423.5
130	130.2	0.0	325.0

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



#2

Dichlorodifluoromethane

Concen: 118.071 ug/l

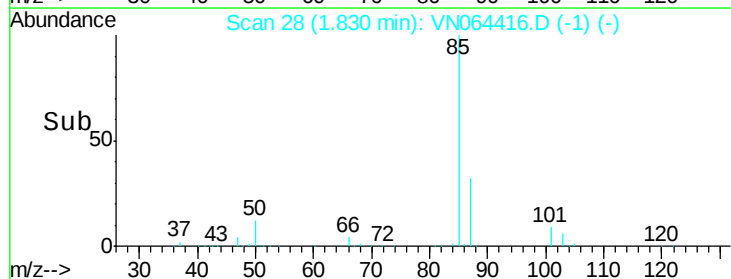
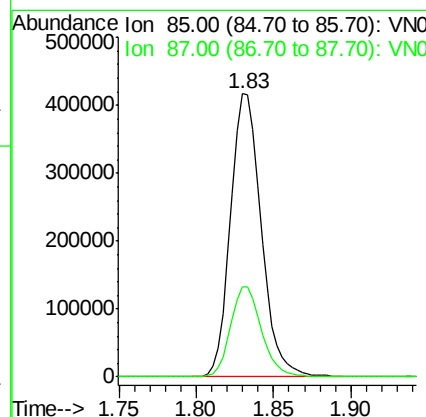
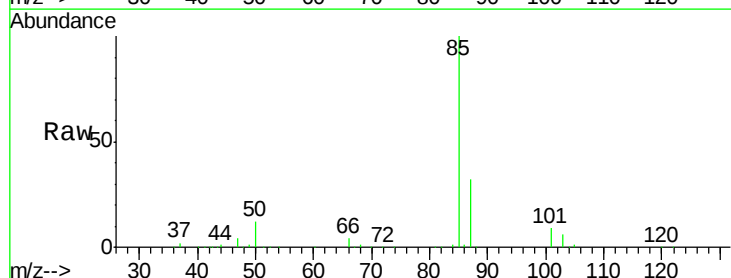
RT: 1.83 min Scan# 28

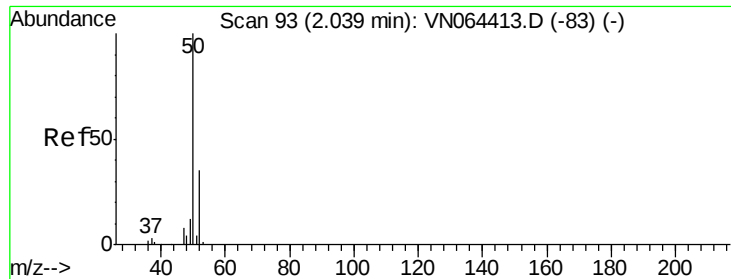
Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.1





#3

Chloromethane

Concen: 130.316 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 602928

Ion Ratio Lower Upper

50 100

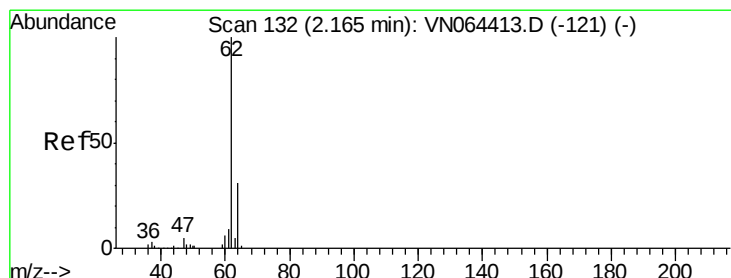
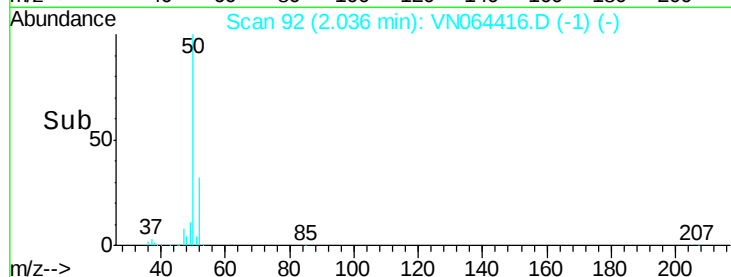
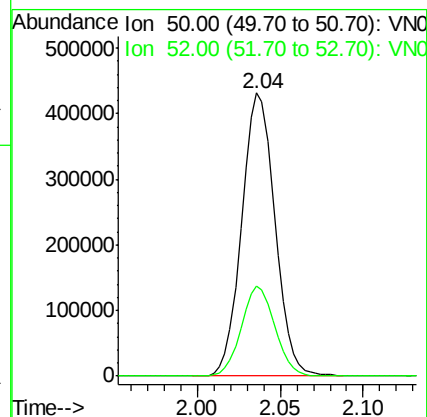
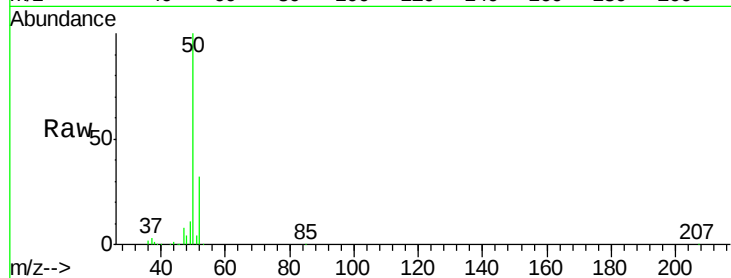
52 31.9 27.7 41.5

Manual Integrations

APPROVED

MMDadoda

11/3/2020 2:20:50 PM



#4

Vinyl Chloride

Concen: 135.545 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064416.D

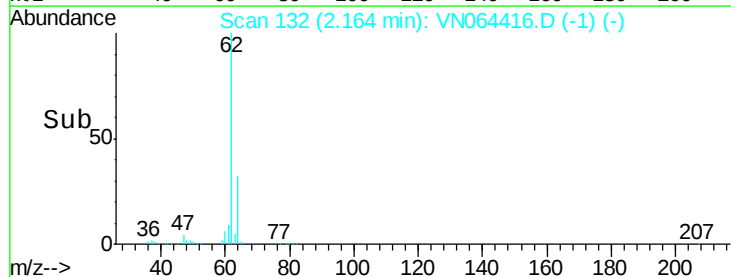
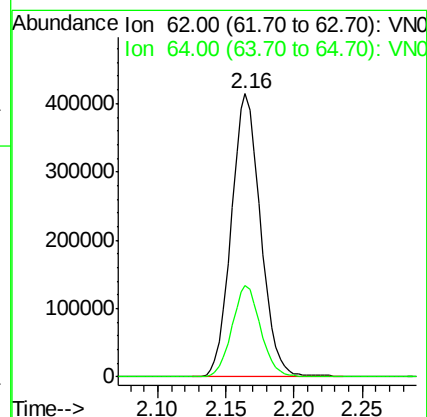
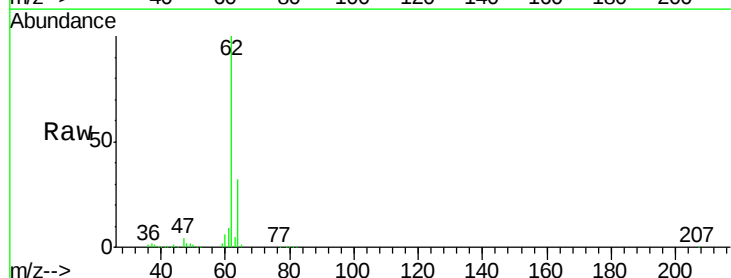
Acq: 2 Nov 2020 15:24

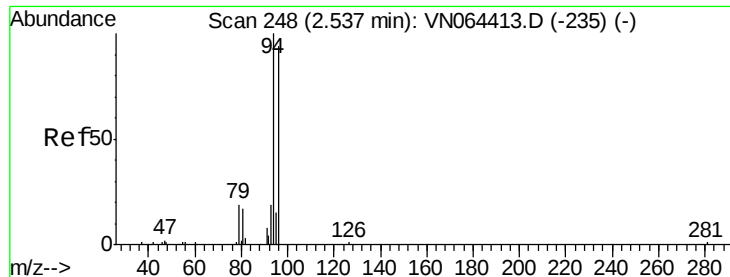
Tgt Ion: 62 Resp: 616628

Ion Ratio Lower Upper

62 100

64 32.4 24.5 36.7





#5

Bromomethane

Concen: 138.493 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 391773

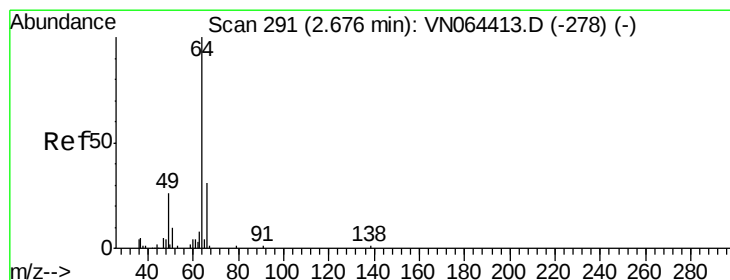
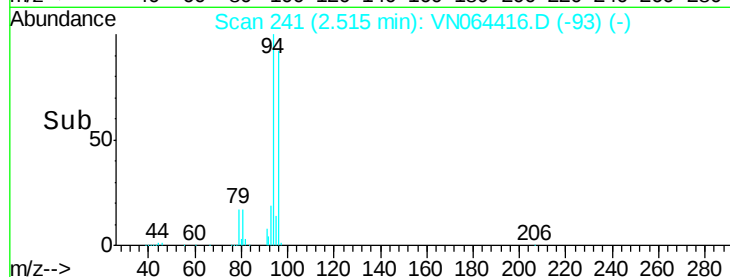
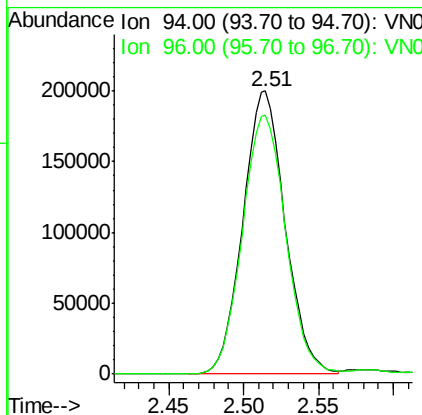
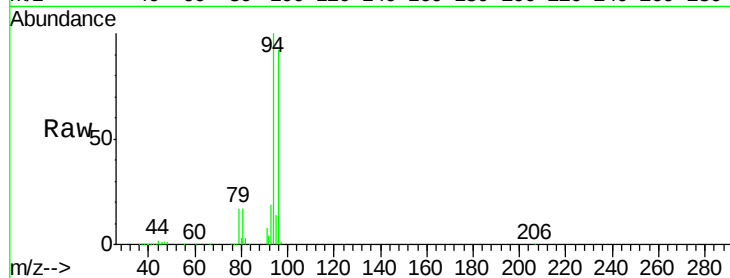
Ion Ratio Lower Upper

94 100

96 91.6 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



#6

Chloroethane

Concen: 141.748 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064416.D

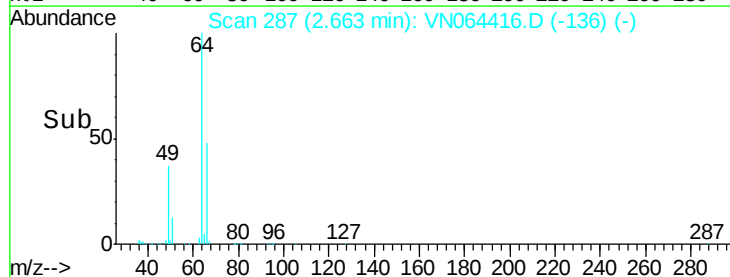
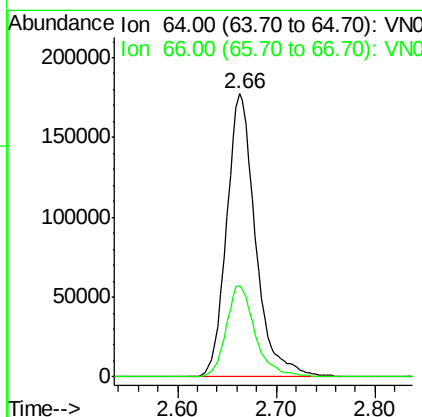
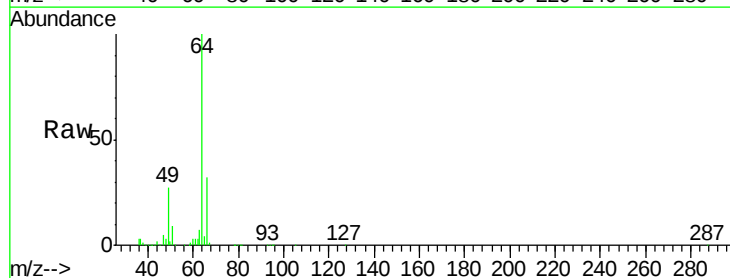
Acq: 2 Nov 2020 15:24

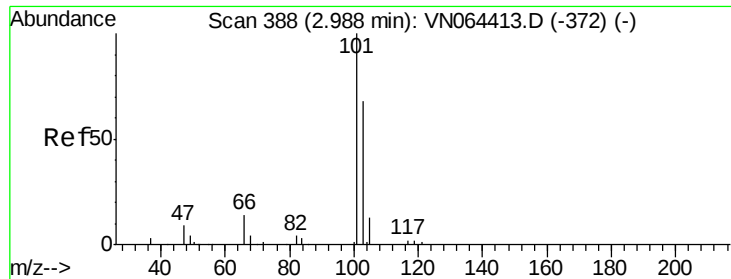
Tgt Ion: 64 Resp: 363812

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.4





#7

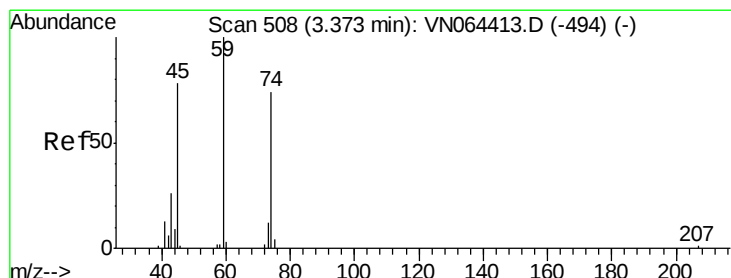
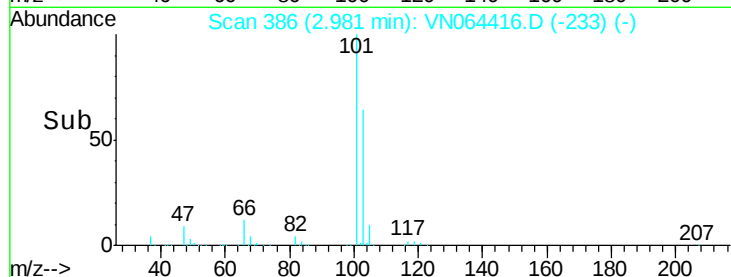
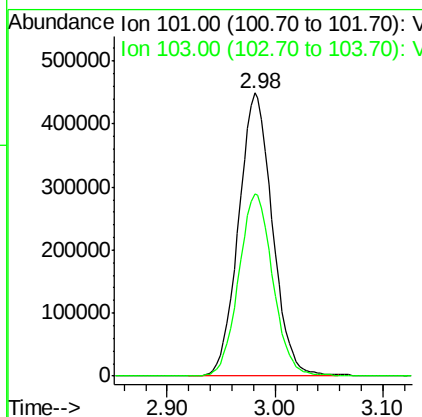
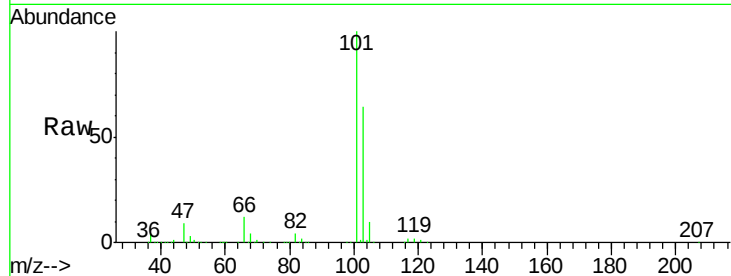
Trichlorofluoromethane
Concen: 137.979 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	54.6	81.8

Manual Integrations
APPROVED

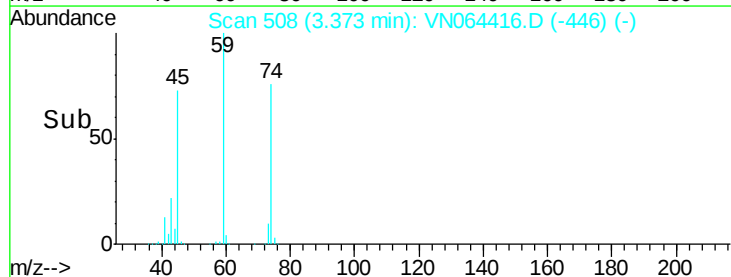
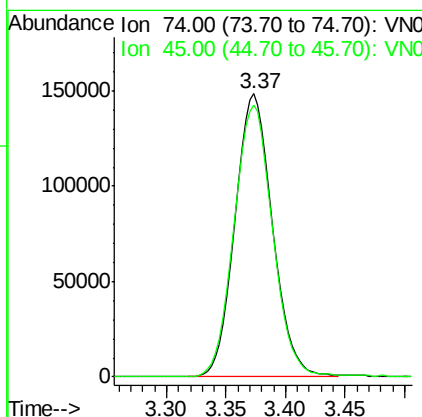
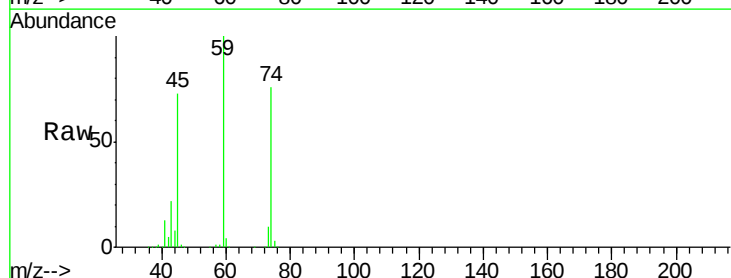
MMDadoda
11/3/2020 2:20:50 PM

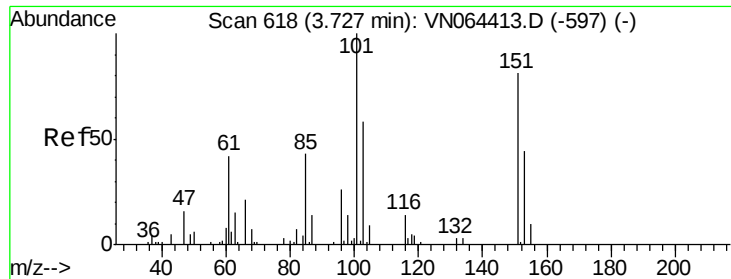


#8

Diethyl Ether
Concen: 145.105 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	21.2	190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.515 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

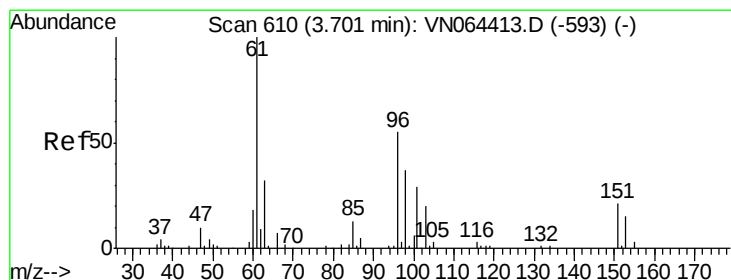
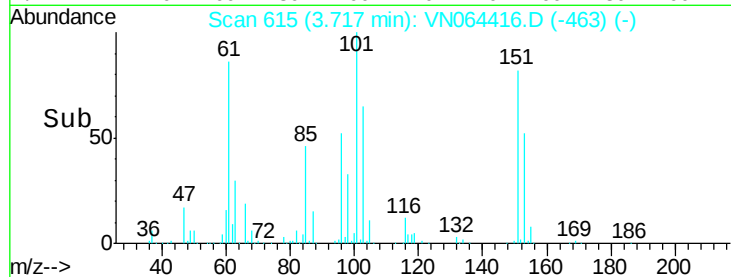
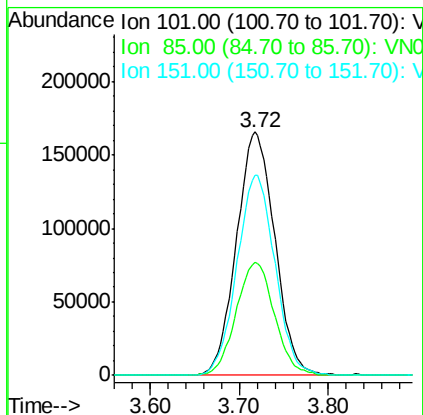
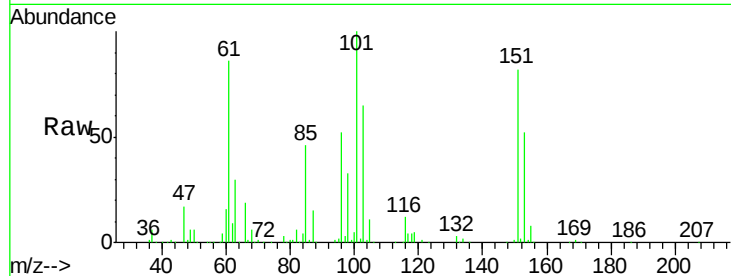
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	494429
Ion Ratio	Lower	Upper	
101	100		
85	46.2	0.0	89.6
151	81.7	0.0	158.8

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



#10

1,1-Dichloroethene

Concen: 143.236 ug/l

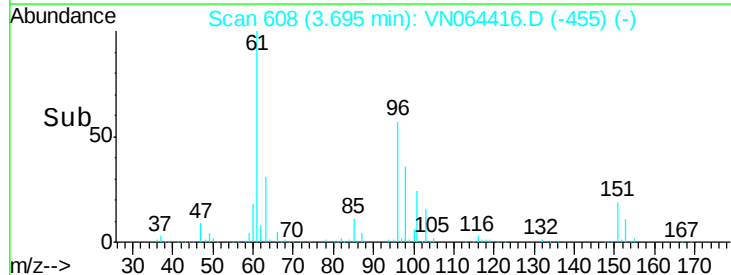
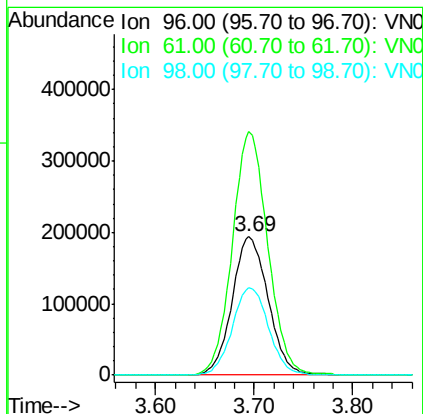
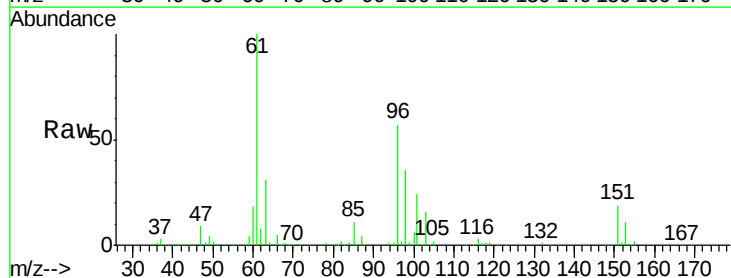
RT: 3.69 min Scan# 608

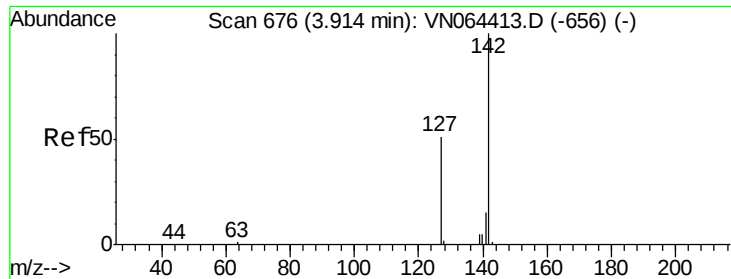
Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Tgt Ion:	96	Resp:	493668
Ion Ratio	Lower	Upper	
96	100		
61	175.9	145.6	218.4
98	63.2	53.9	80.9





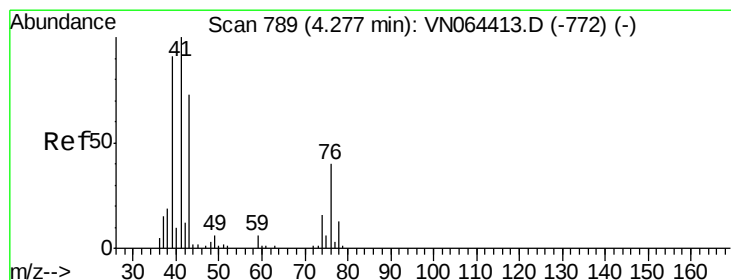
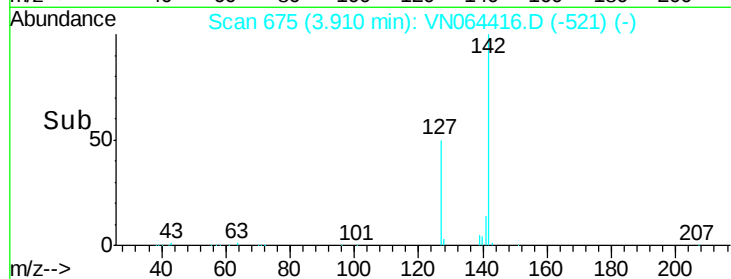
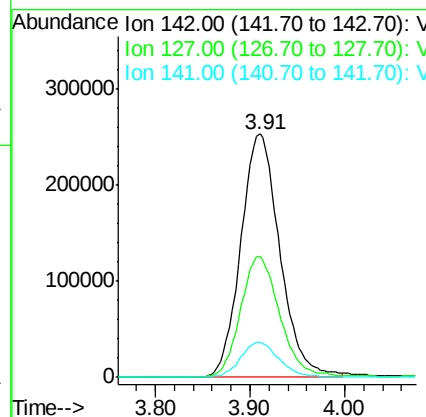
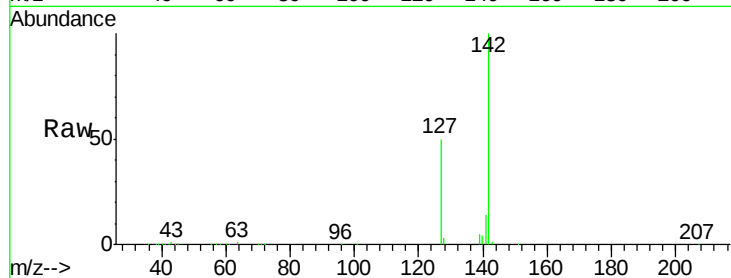
#11
Methyl Iodide
Concen: 148.441 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.8	25.4	76.2
141	14.2	7.8	23.3

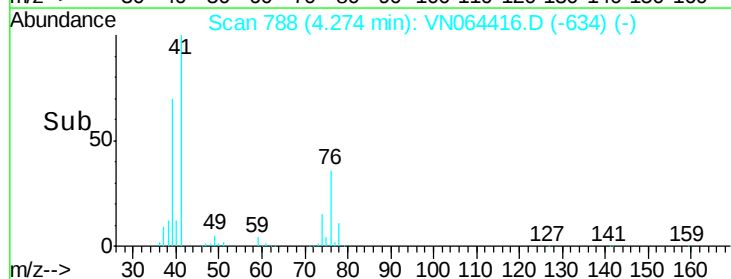
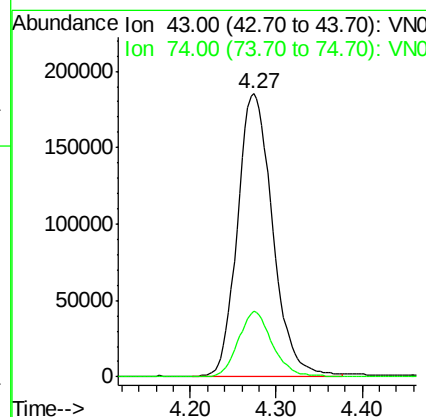
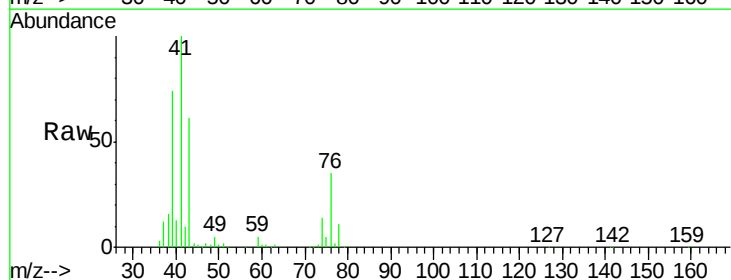
Manual Integrations
APPROVED

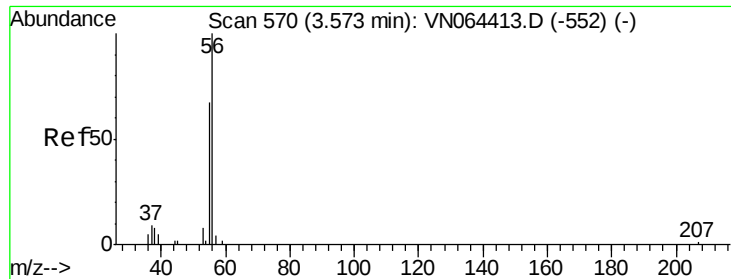
MMDadoda
11/3/2020 2:20:50 PM



#12
Methyl Acetate
Concen: 129.763 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.1	25.7





#13

Acrolein

Concen: 1020.658 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 303385

Ion Ratio Lower Upper

56 100

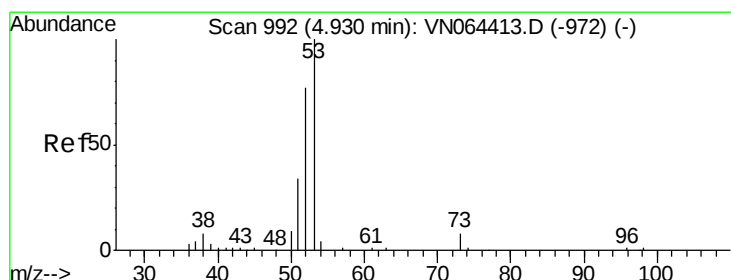
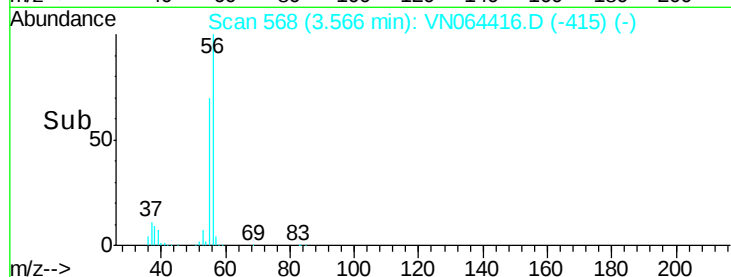
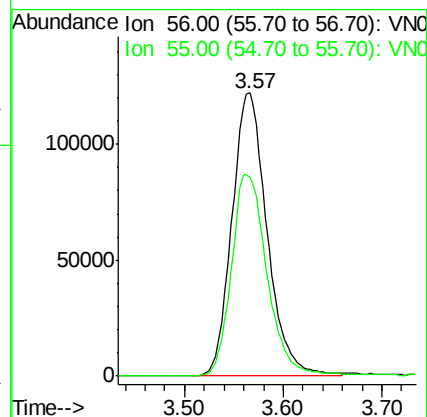
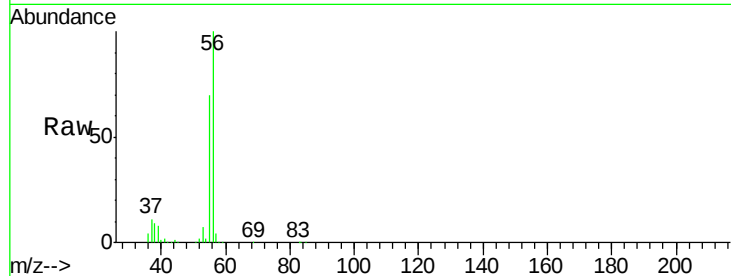
55 72.0 52.5 78.7

Manual Integrations

APPROVED

MMDadoda

11/3/2020 2:20:50 PM



#14

Acrylonitrile

Concen: 698.238 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

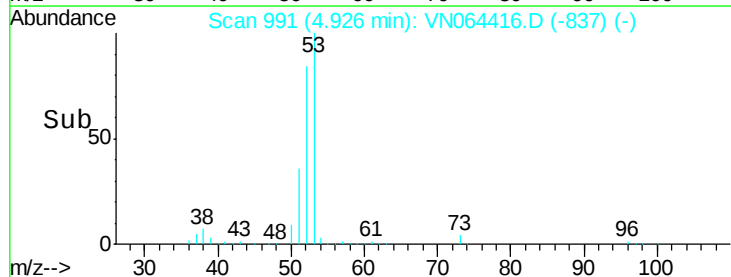
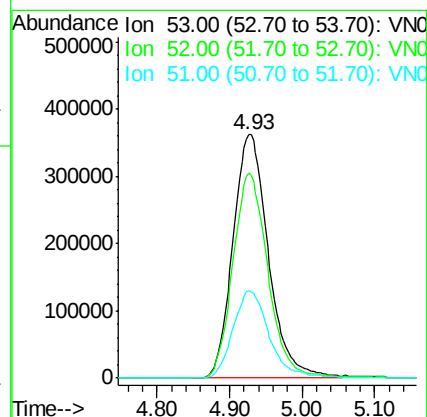
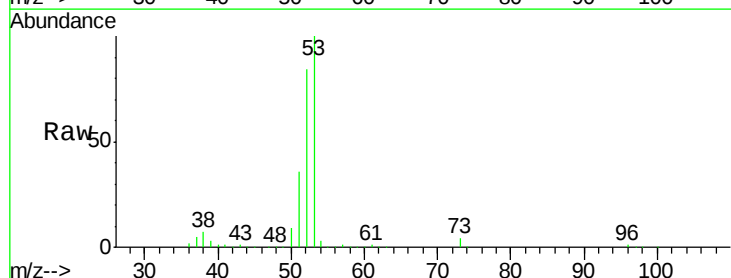
Tgt Ion: 53 Resp: 1233344

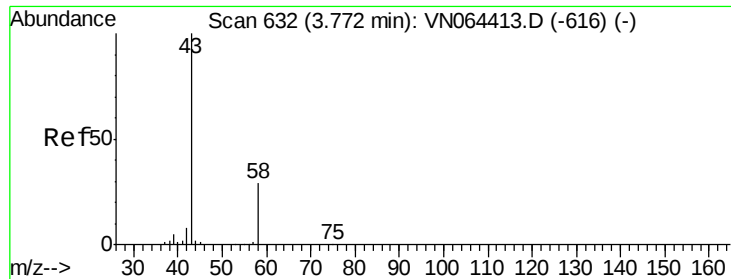
Ion Ratio Lower Upper

53 100

52 82.1 41.1 123.3

51 36.0 17.8 53.3





#15

Acetone

Concen: 678.359 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 58 Resp: 359888

Ion Ratio Lower Upper

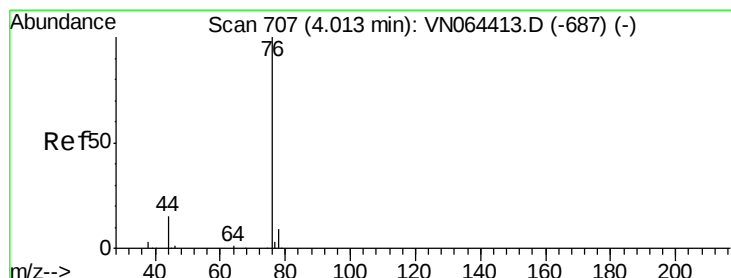
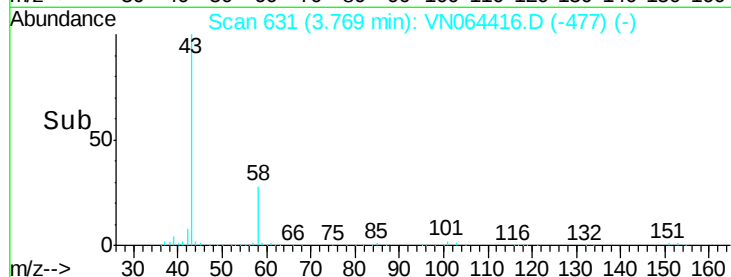
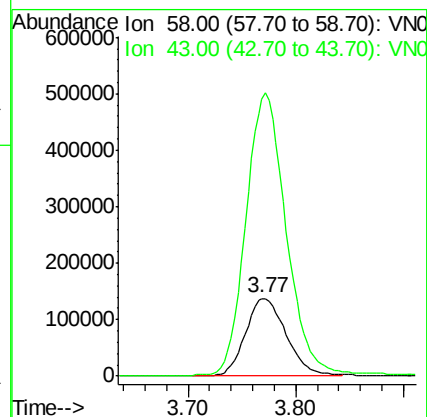
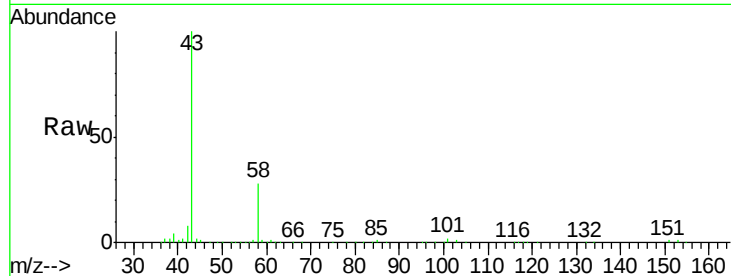
58 100

43 356.5 276.1 414.1

Manual Integrations
APPROVED

MMDadoda

11/3/2020 2:20:50 PM



#16

Carbon Disulfide

Concen: 139.566 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064416.D

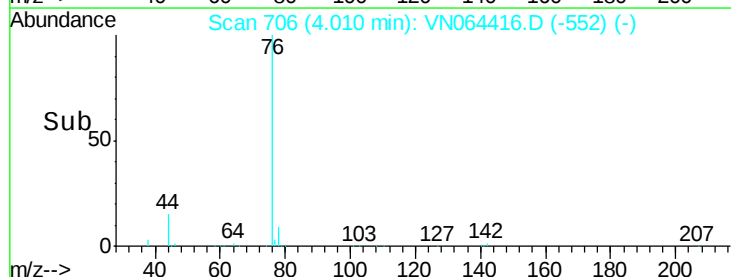
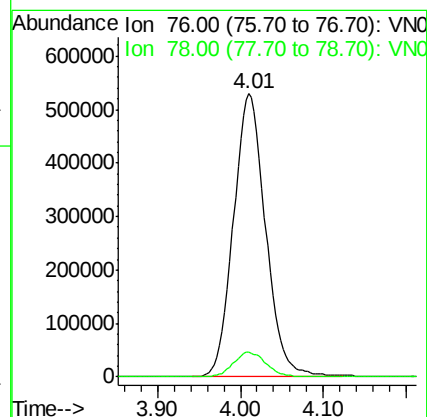
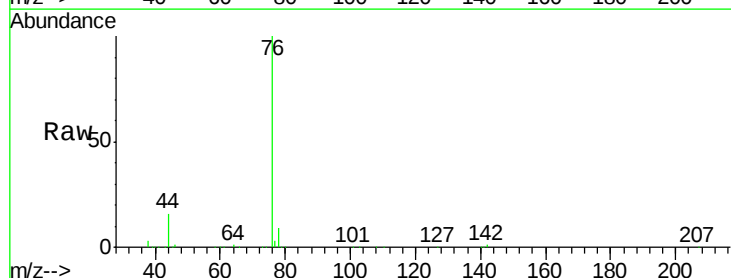
Acq: 2 Nov 2020 15:24

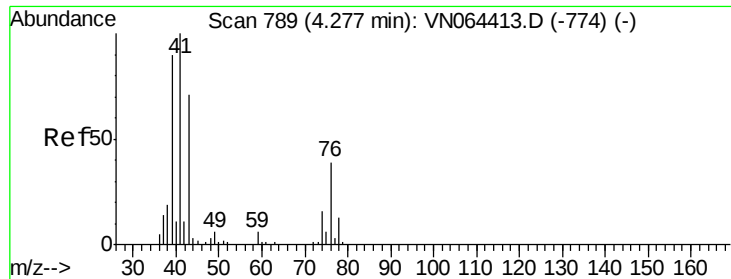
Tgt Ion: 76 Resp: 1429816

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6





#17

Allvl chloride

Concen: 131.540 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

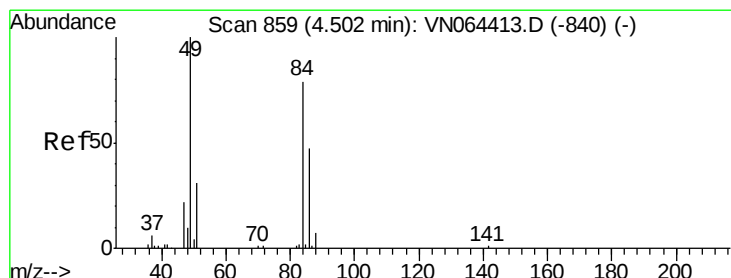
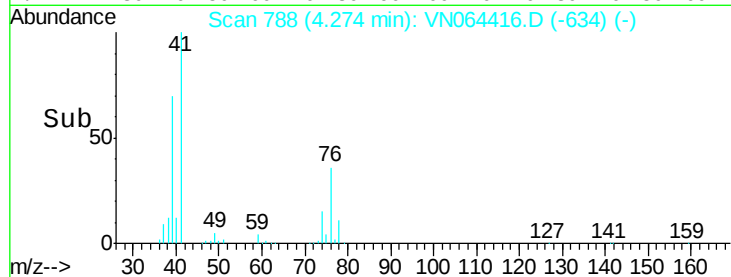
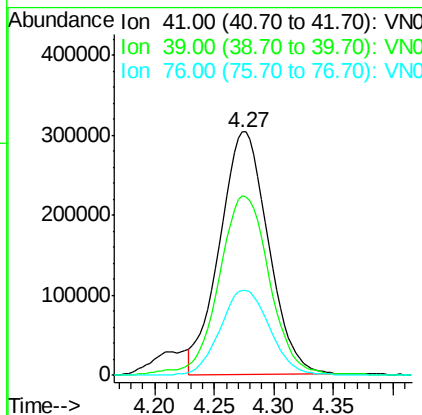
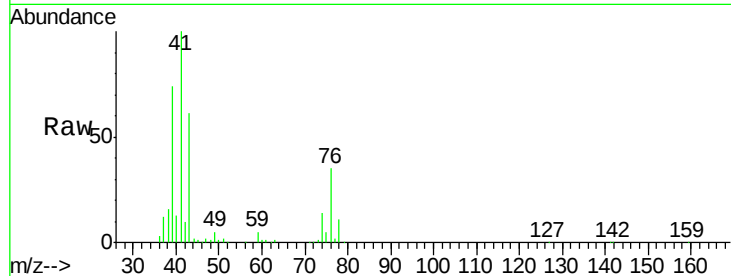
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	857147
Ion Ratio		Lower	Upper
41	100		
39	73.7	42.3	126.8
76	34.9	18.6	55.8

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



#18

Methylene Chloride

Concen: 140.977 ug/l

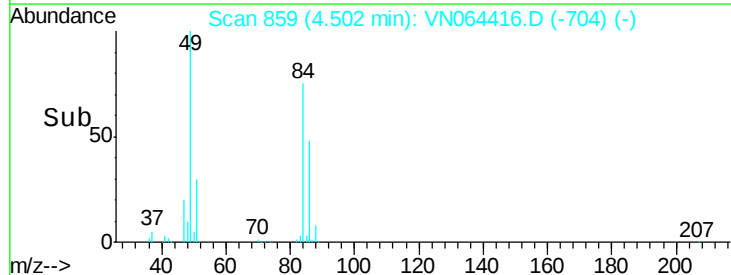
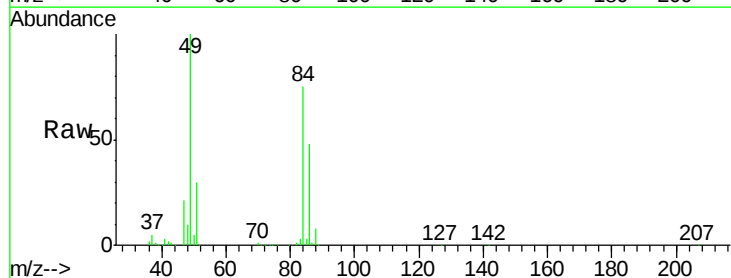
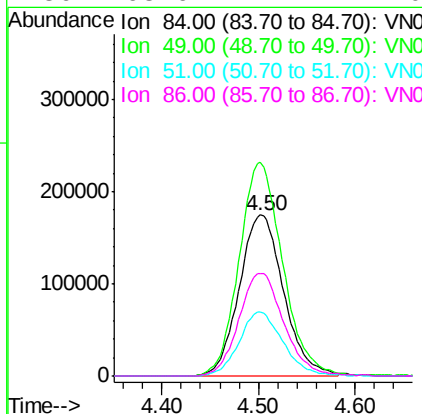
RT: 4.50 min Scan# 859

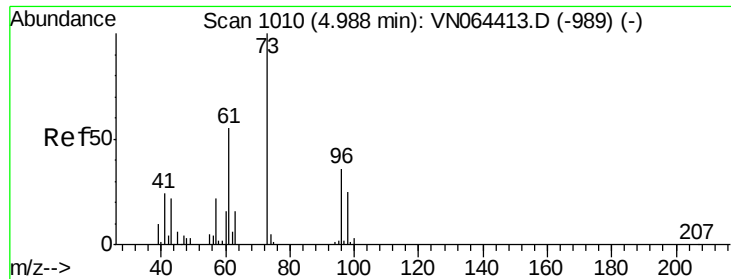
Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Tgt Ion:	84	Resp:	556605
Ion Ratio		Lower	Upper
84	100		
49	132.8	101.0	151.4
51	39.6	31.2	46.8
86	63.6	47.4	71.0





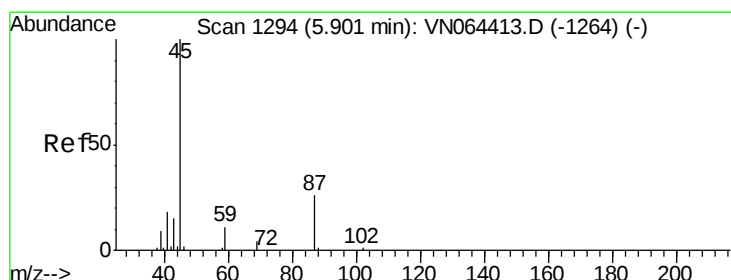
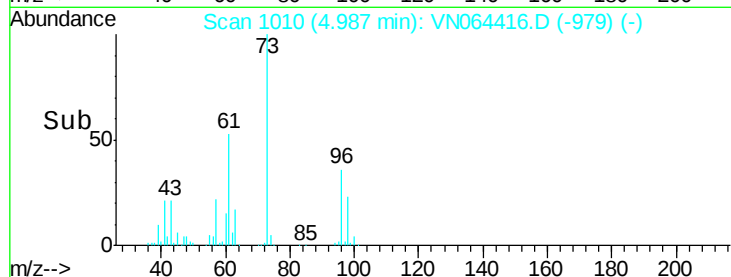
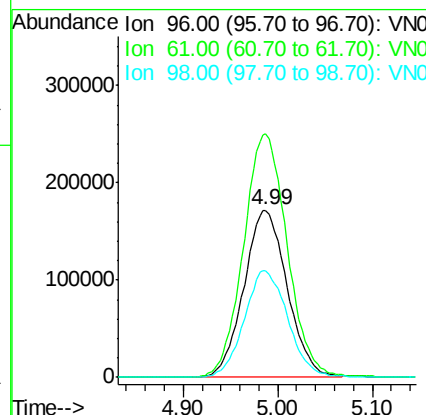
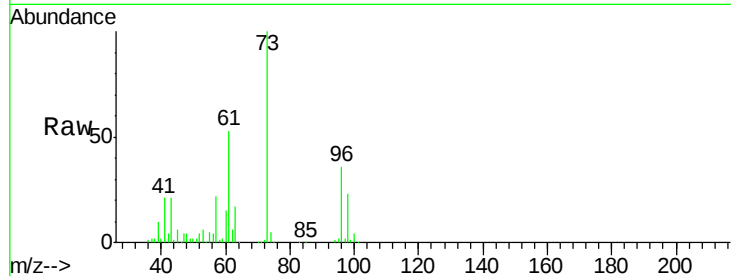
#19
trans-1,2-Dichloroethene
Concen: 144.028 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	121.4	182.0
98	63.6	55.5	83.3

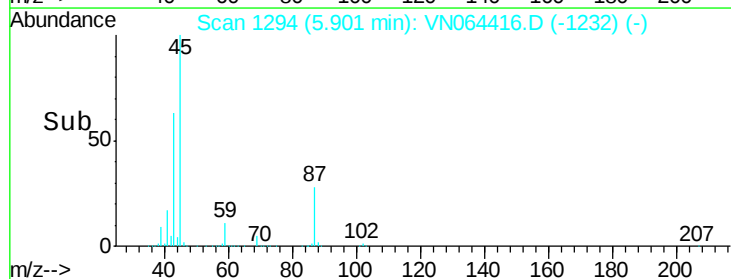
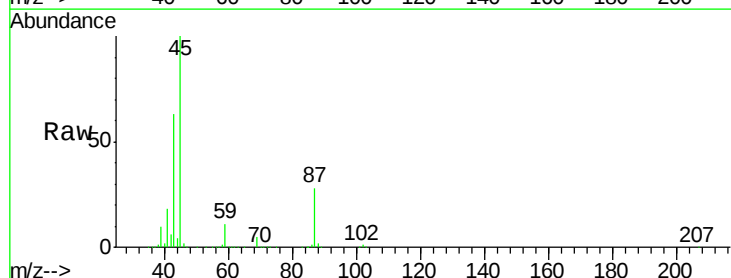
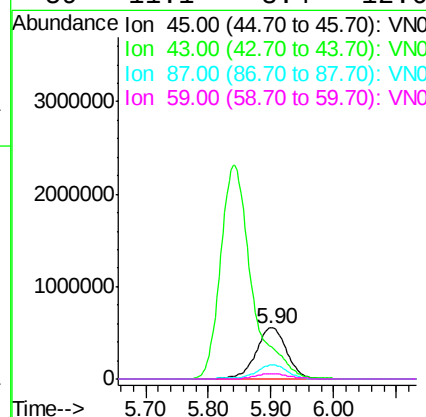
Manual Integrations
APPROVED

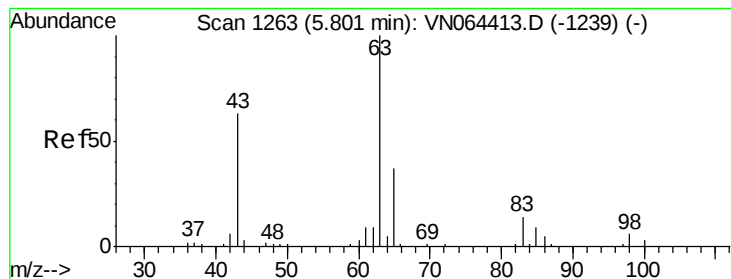
MMDadoda
11/3/2020 2:20:50 PM



#20
Diisopropyl ether
Concen: 142.630 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	49.6	74.4
87	27.7	21.0	31.6
59	11.1	8.4	12.6





#21

1,1-Dichloroethane

Concen: 138.705 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1032879

Ion Ratio Lower Upper

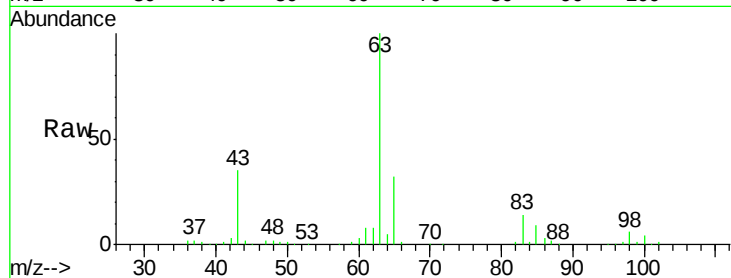
63 100

98 6.1 2.9 8.8

100 3.7 1.5 4.5

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

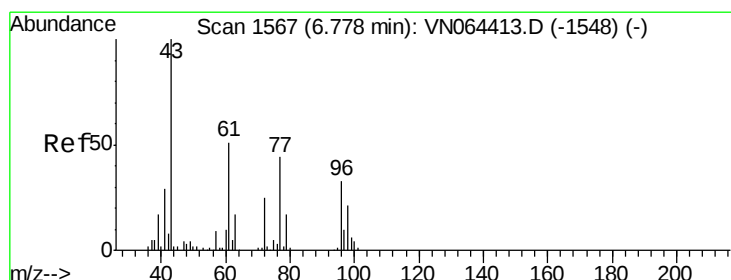
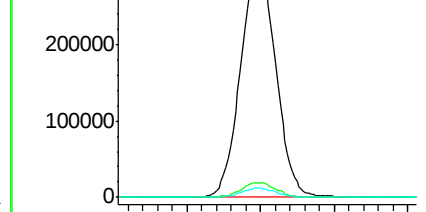
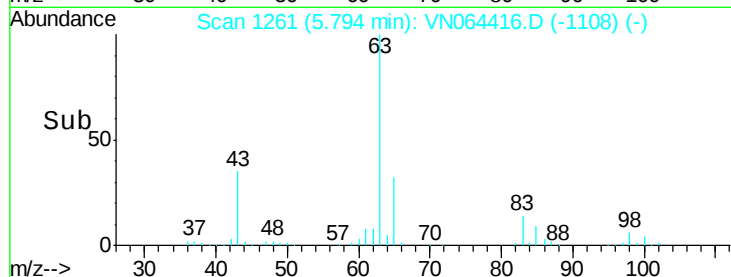


Abundance Ion 63.00 (62.70 to 63.70): VN064416.D (-1108) (-)

Ion 98.00 (97.70 to 98.70): VN064416.D (-1108) (-)

Ion 100.00 (99.70 to 100.70): VN064416.D (-1108) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 145.557 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

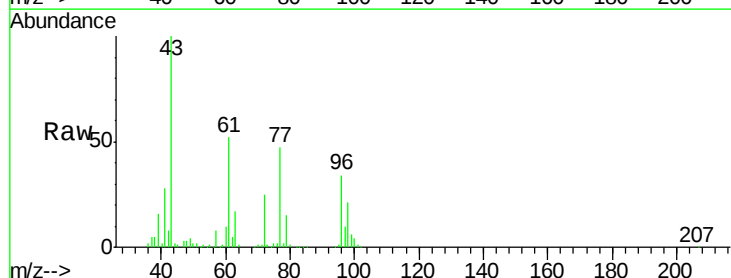
Tgt Ion: 96 Resp: 635947

Ion Ratio Lower Upper

96 100

61 153.1 122.3 183.5

98 63.5 49.6 74.4

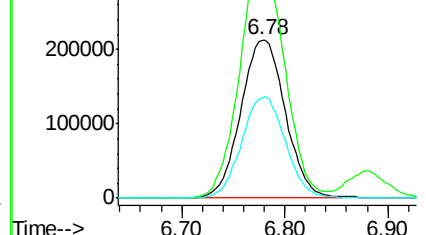
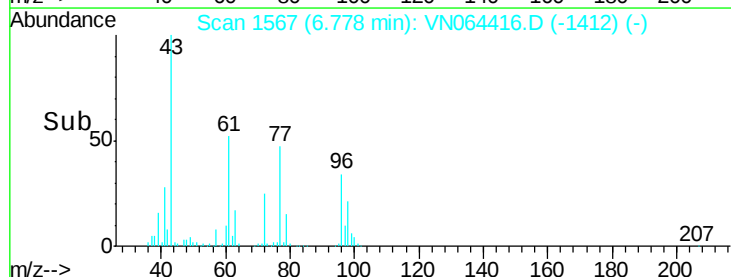


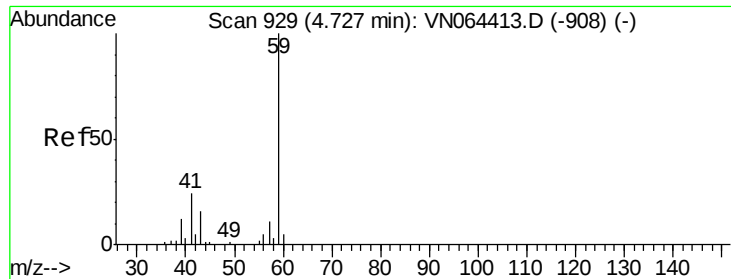
Abundance Ion 96.00 (95.70 to 96.70): VN064416.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN064416.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN064416.D (-1412) (-)

Time-->





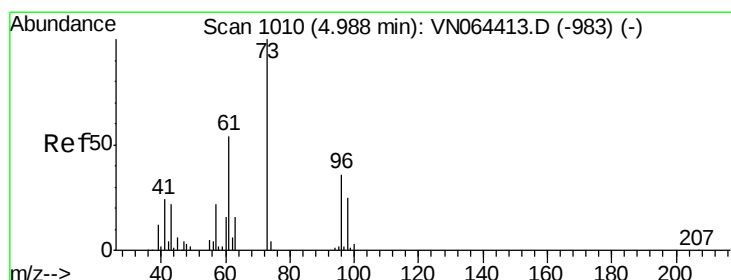
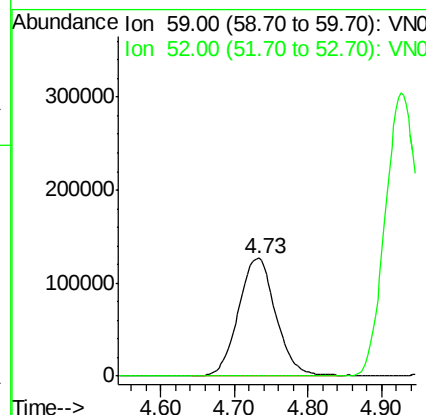
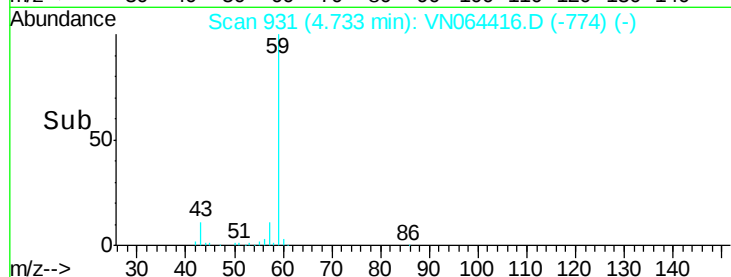
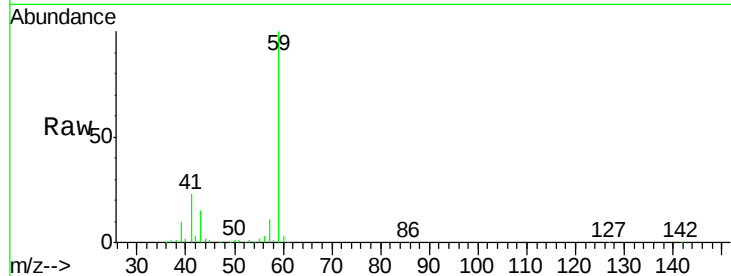
#23
tert-Butyl Alcohol
Concen: 569.581 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 449787
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0#

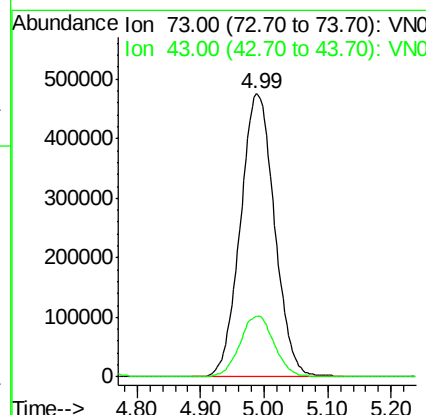
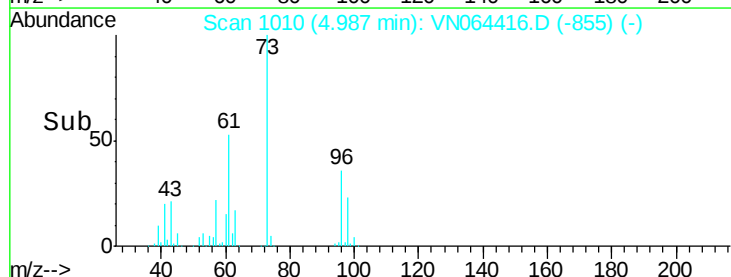
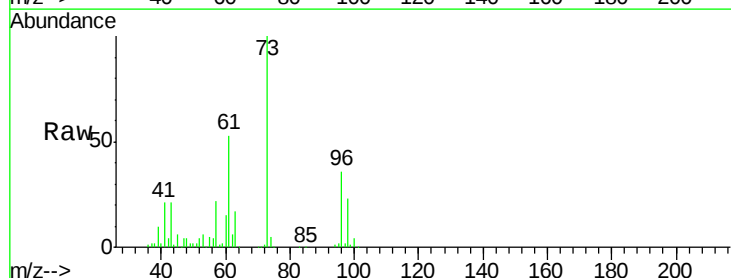
Manual Integrations
APPROVED

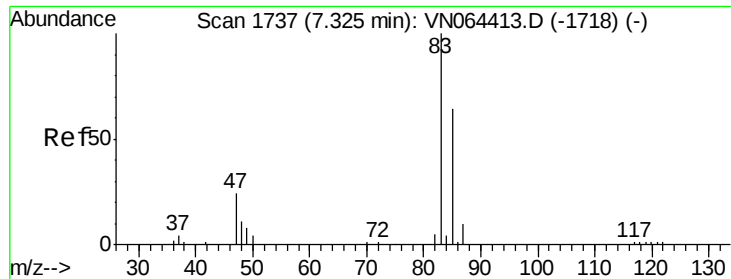
MMDadoda
11/3/2020 2:20:50 PM



#24
Methyl tert-Butyl Ether
Concen: 137.421 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 73 Resp: 1776707
Ion Ratio Lower Upper
73 100
43 21.4 6.8 10.2#





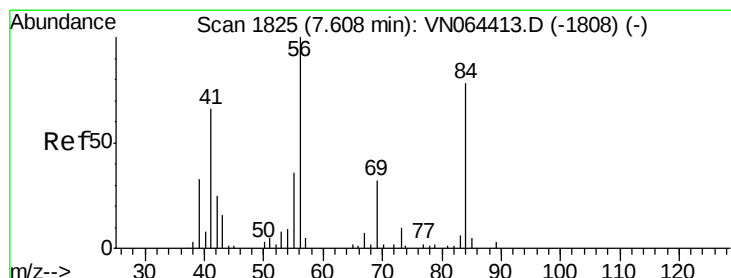
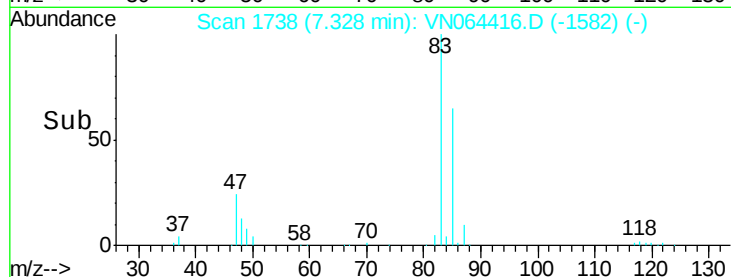
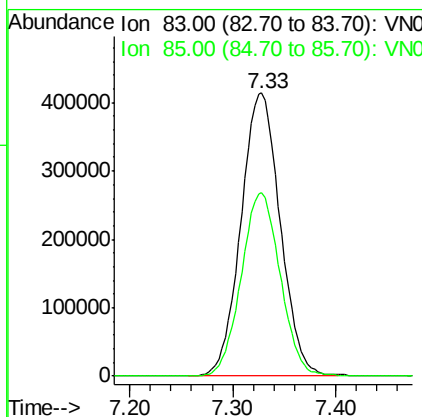
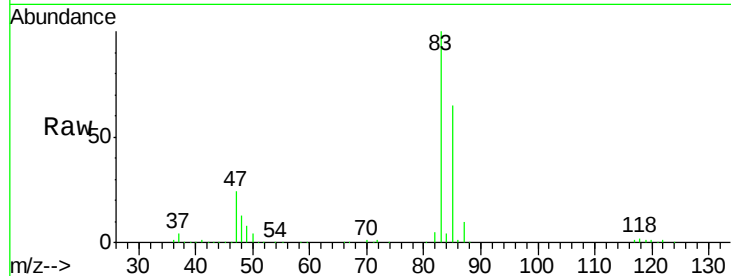
#25
Chloroform
Concen: 141.502 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1093389
Ion Ratio Lower Upper
83 100
85 64.9 51.0 76.4

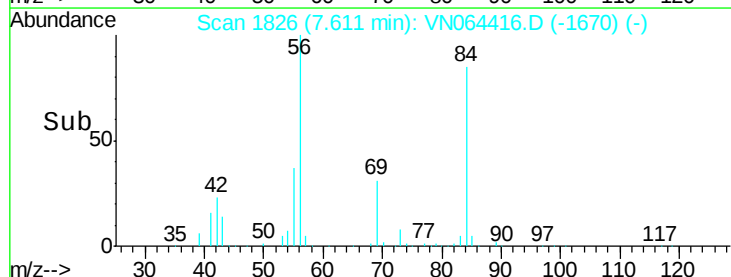
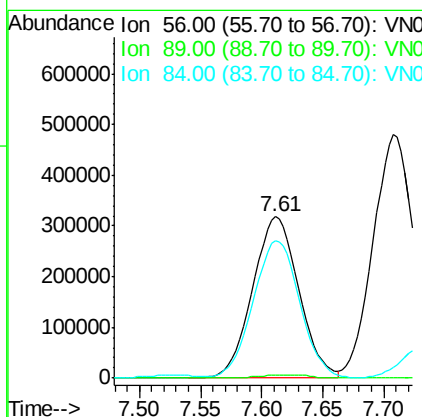
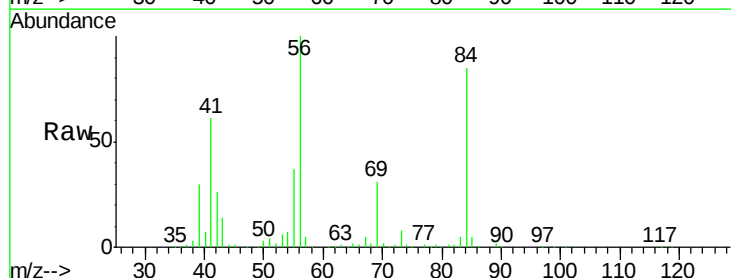
Manual Integrations
APPROVED

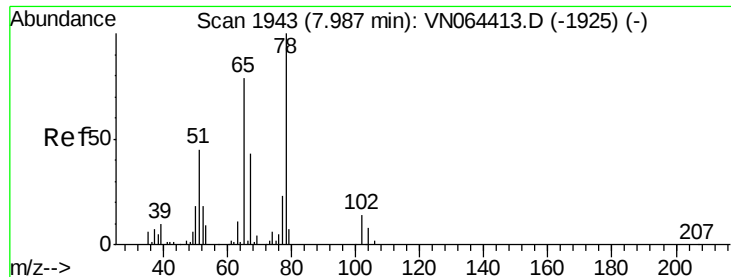
MMDadoda
11/3/2020 2:20:50 PM



#26
Cyclohexane
Concen: 138.263 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 56 Resp: 837343
Ion Ratio Lower Upper
56 100
89 2.2 2.3 3.5#
84 84.7 69.4 104.0





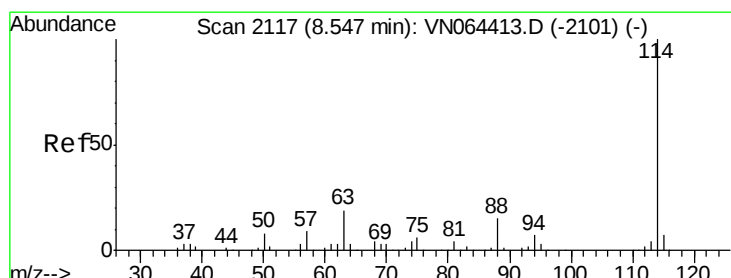
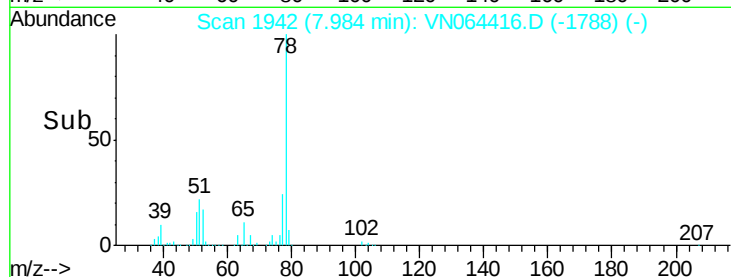
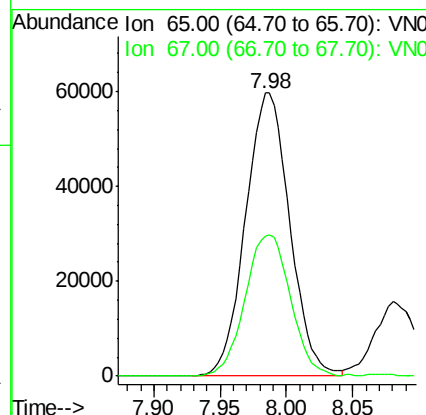
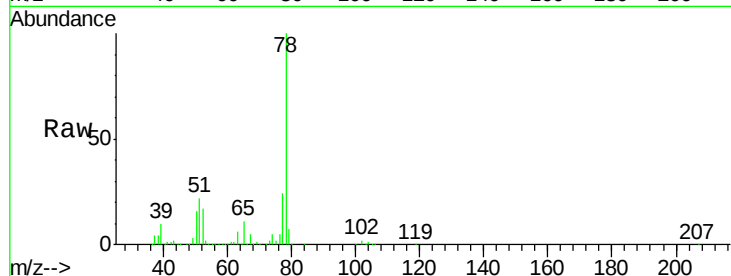
#27
 1,2-Dichloroethane-d4
 Concen: 25.269 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	40.6	61.0

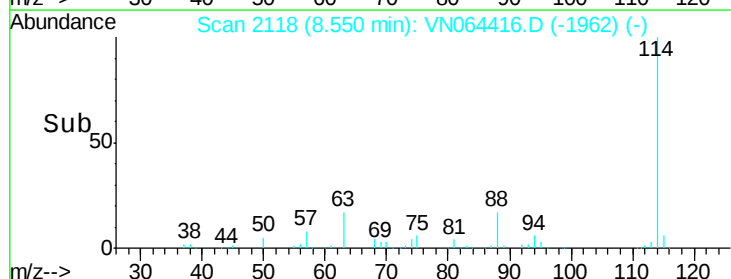
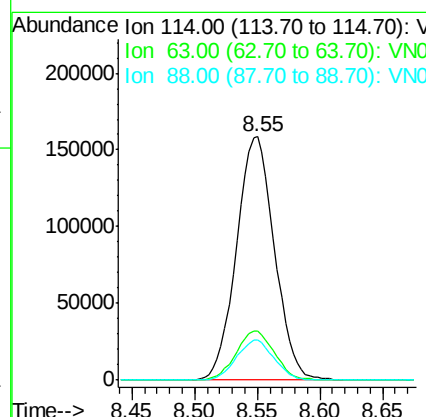
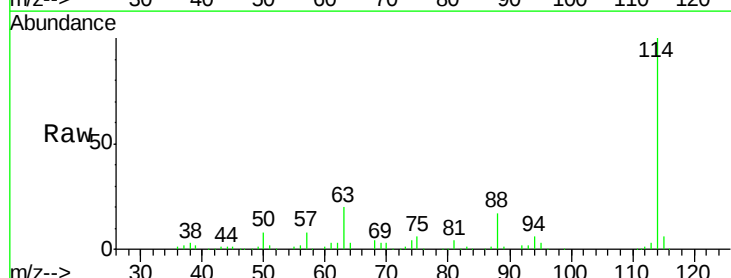
Manual Integrations
 APPROVED

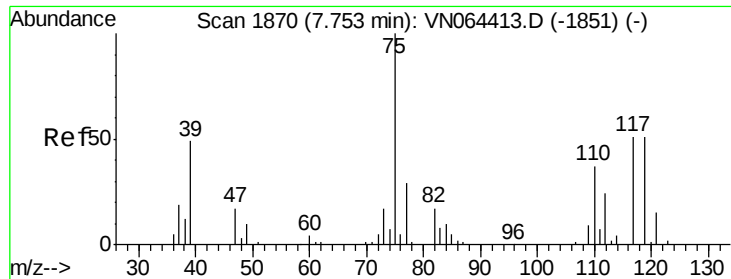
MMDadoda
 11/3/2020 2:20:50 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.2	24.4
88	16.3	12.6	19.0





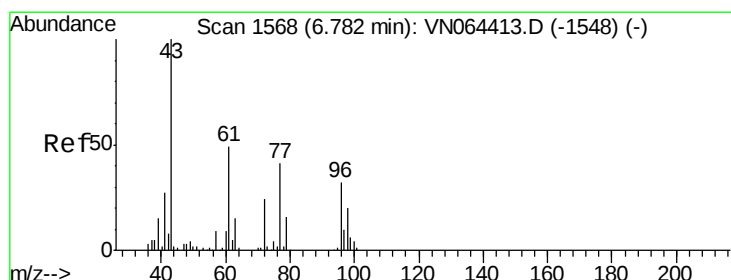
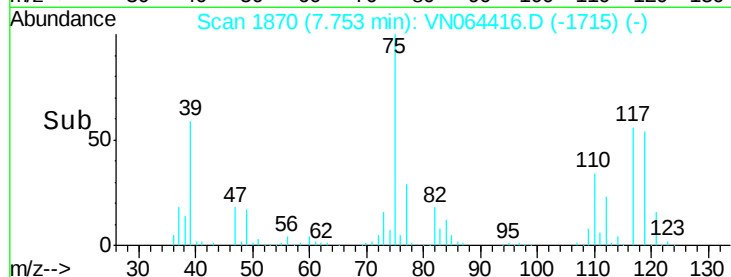
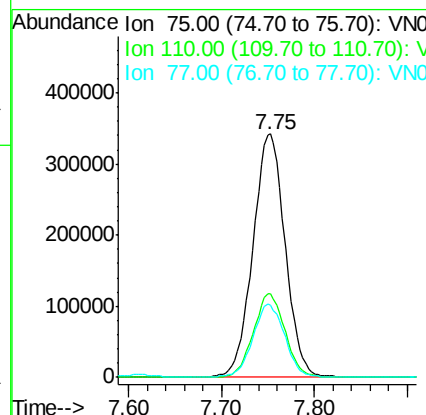
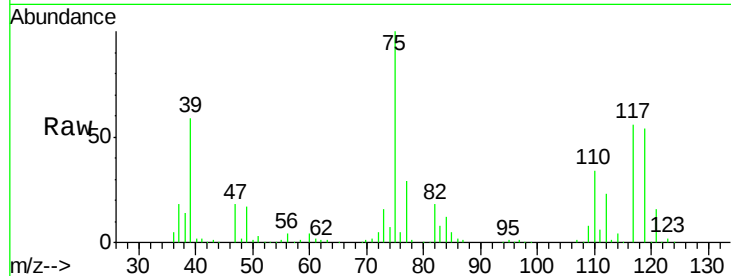
#29
 1,1-Dichloropropene
 Concen: 145.858 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	0.0	71.8	
77	29.9	0.0	32.4	

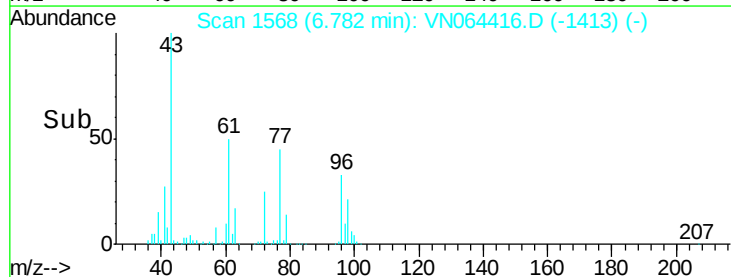
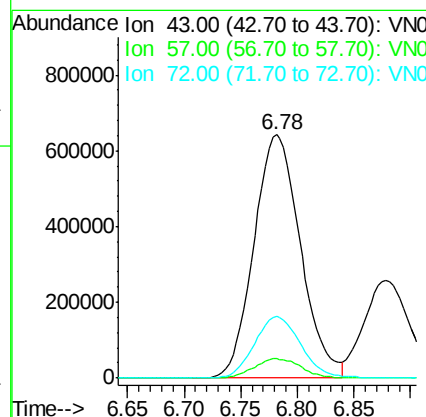
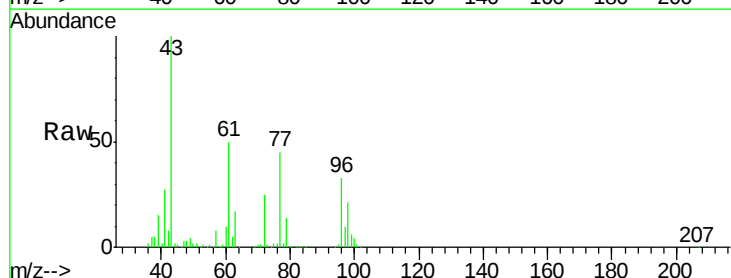
Manual Integrations
 APPROVED

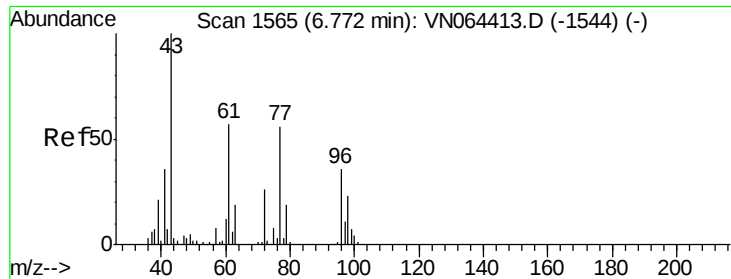
MMDadoda
 11/3/2020 2:20:50 PM



#30
 2-Butanone
 Concen: 683.083 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.1	6.6	9.8	
72	25.4	20.0	30.0	





#31

2,2-Dichloropropane

Concen: 142.225 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 970875

Ion Ratio Lower Upper

77 100

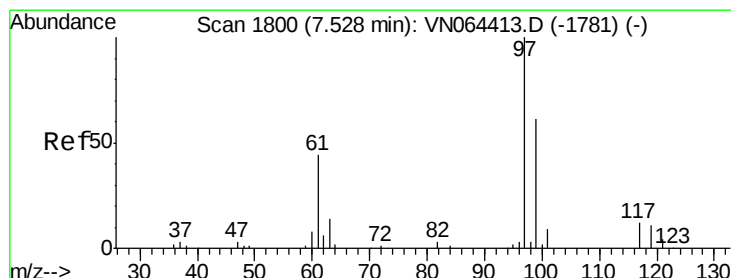
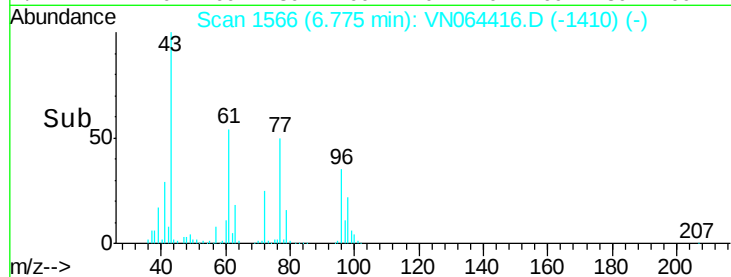
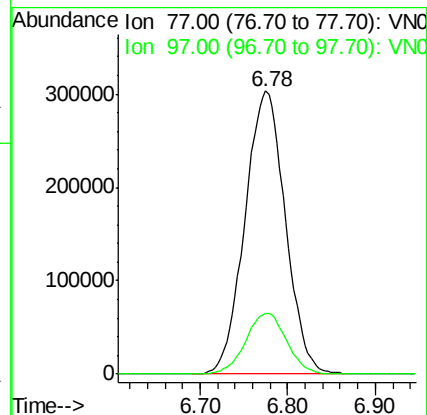
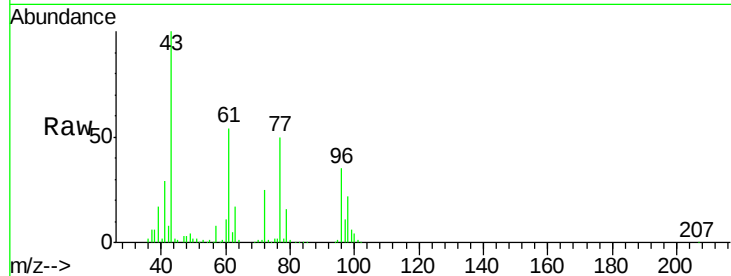
97 21.7 17.4 26.0

Manual Integrations

APPROVED

MMDadoda

11/3/2020 2:20:50 PM



#32

1,1,1-Trichloroethane

Concen: 145.845 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

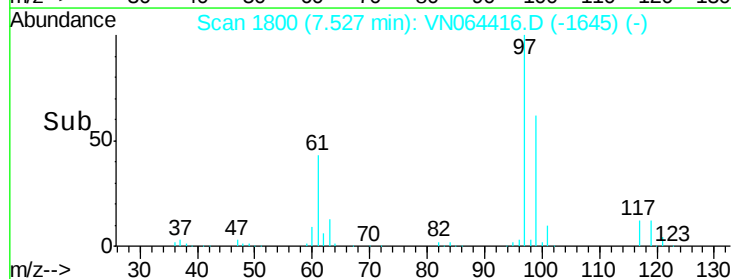
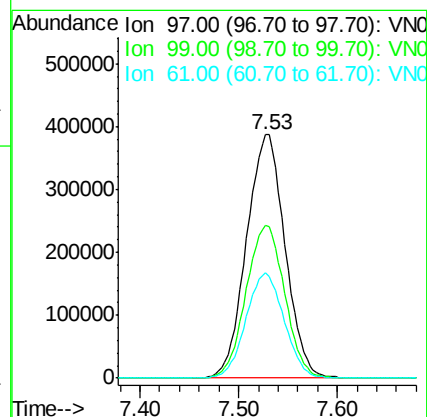
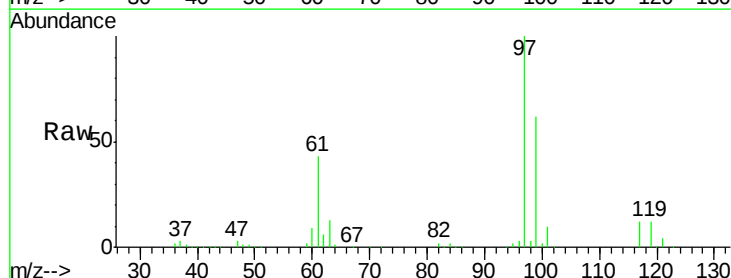
Tgt Ion: 97 Resp: 1045586

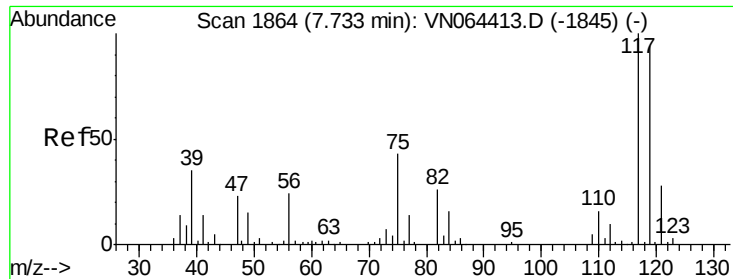
Ion Ratio Lower Upper

97 100

99 62.8 49.8 74.8

61 42.9 34.9 52.3





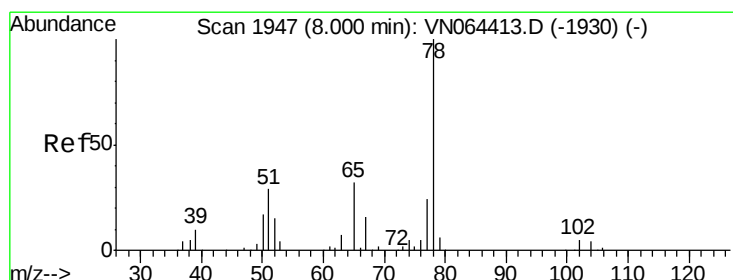
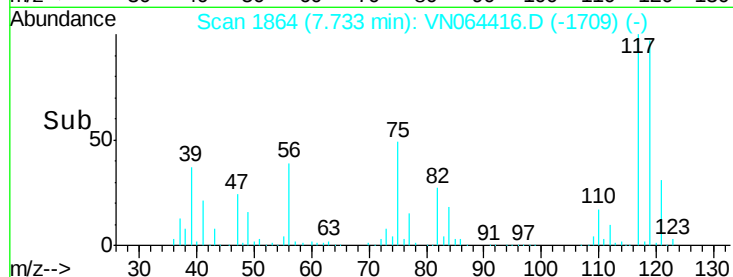
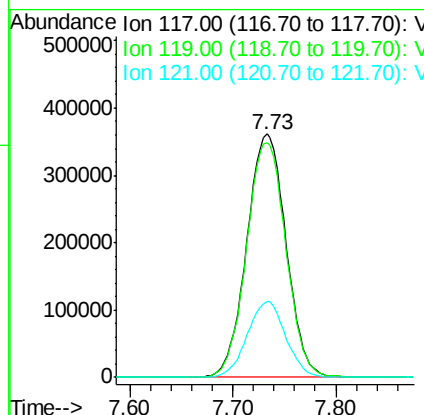
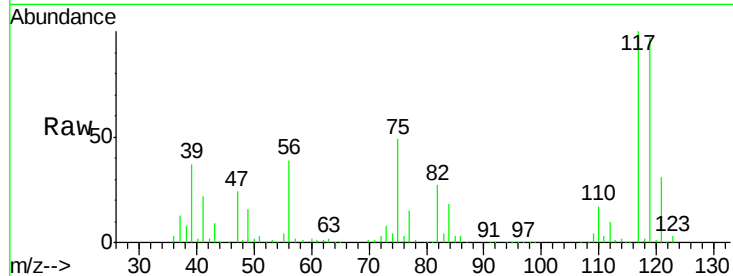
#33
Carbon Tetrachloride
Concen: 145.705 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.0	112.4
121	31.0	22.1	33.1

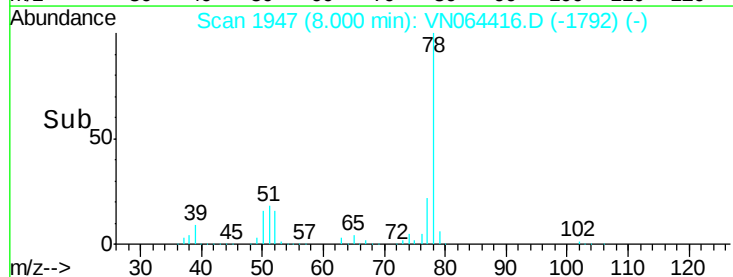
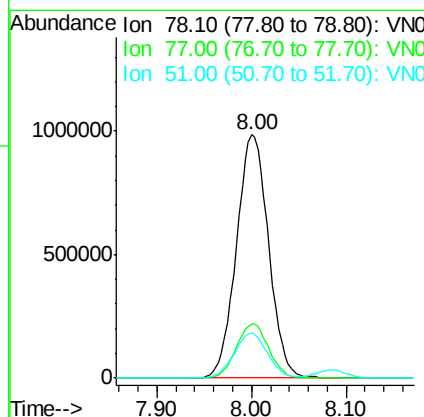
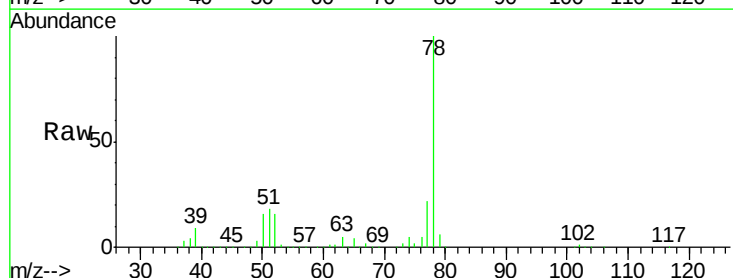
Manual Integrations
APPROVED

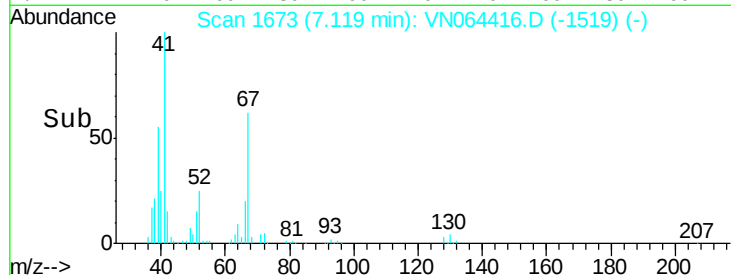
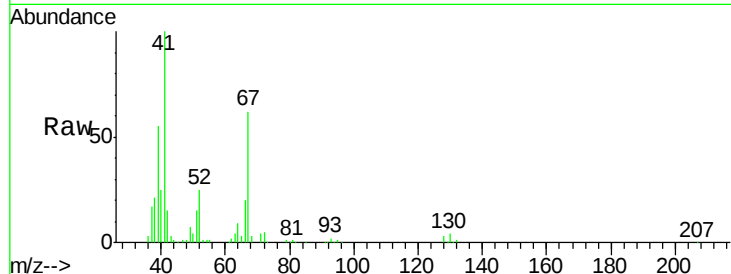
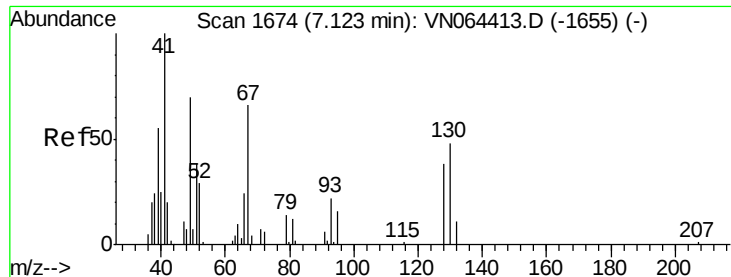
MMDadoda
11/3/2020 2:20:50 PM



#34
Benzene
Concen: 151.481 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4
51	18.4	23.1	34.7#





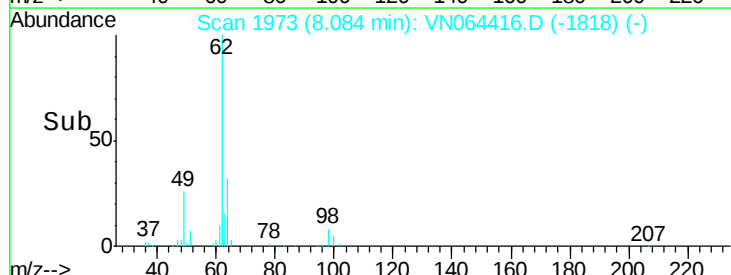
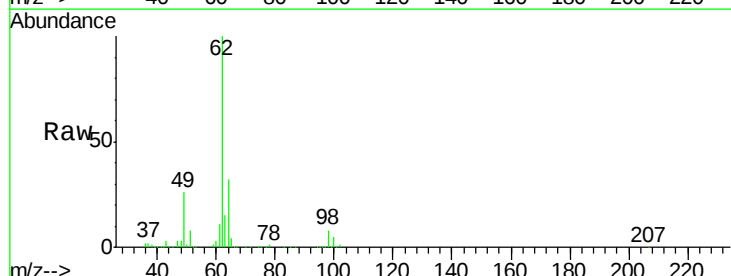
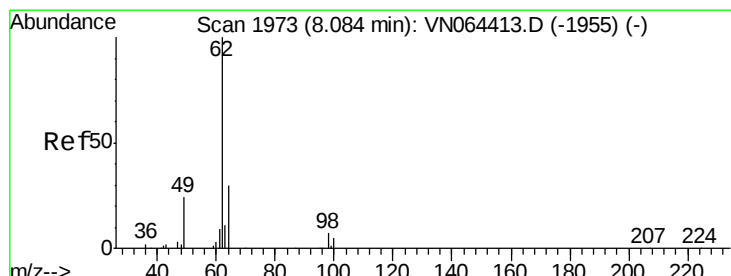
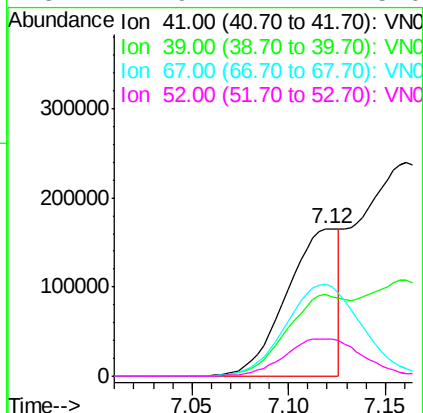
#35
Methacrylonitrile
Concen: 112.184 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tot Ion	41	Resp	306300
Ion Ratio	Lower	Upper	
41	100		
39	55.4	27.8	83.3
67	62.1	32.9	98.6
52	24.9	14.4	43.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

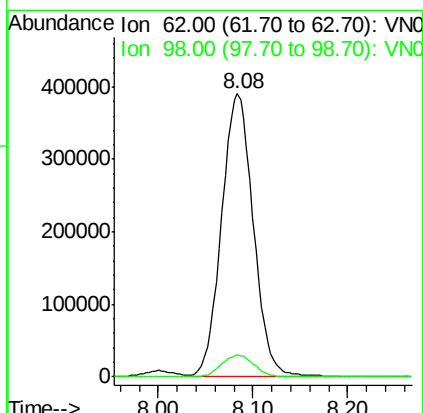
Manual Integrations
APPROVED

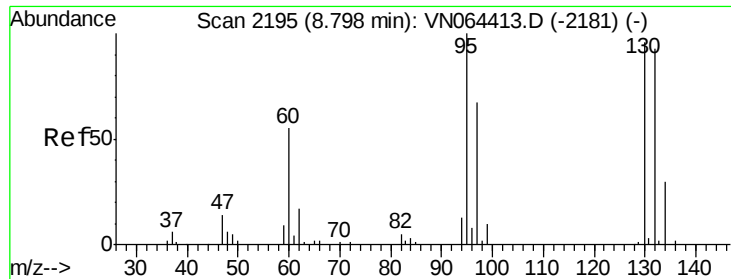
MMDadoda
11/3/2020 2:20:50 PM



#36
1,2-Dichloroethane
Concen: 134.482 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	62	Resp	906698
Ion Ratio	Lower	Upper	
62	100		
98	7.9	6.2	9.2





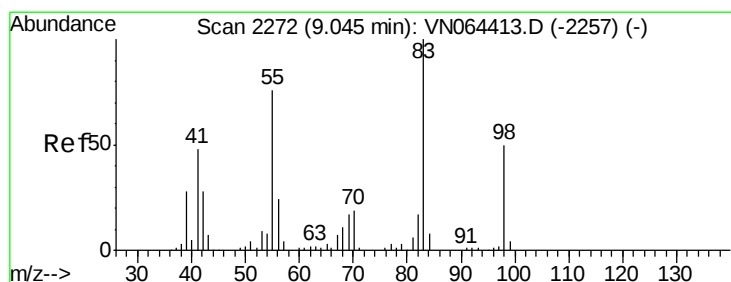
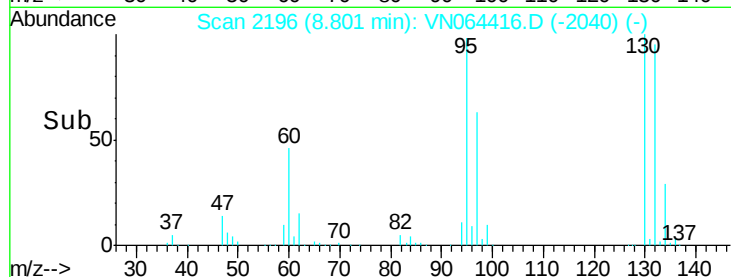
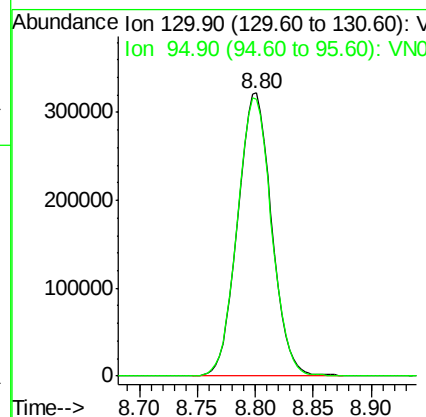
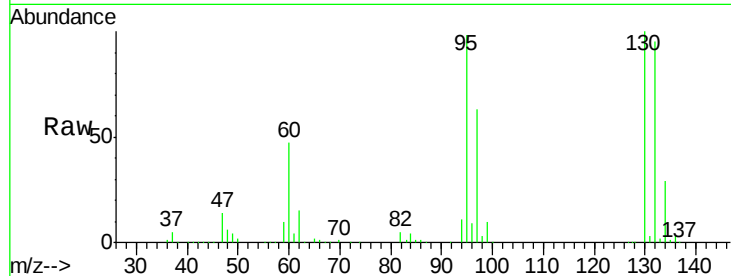
#37
 Trichloroethene
 Concen: 155.593 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 654480
 Ion Ratio Lower Upper
 130 100
 95 98.0 83.6 125.4

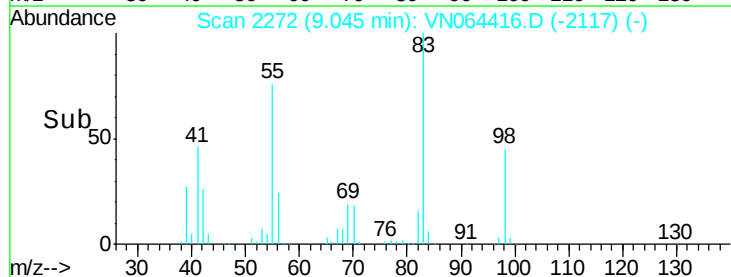
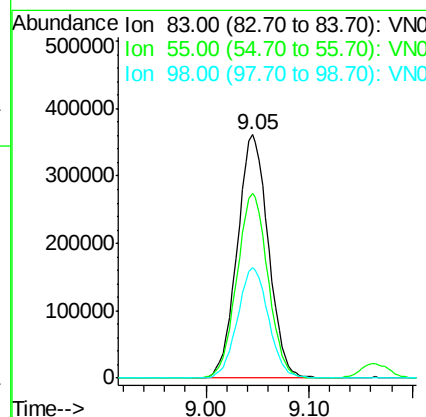
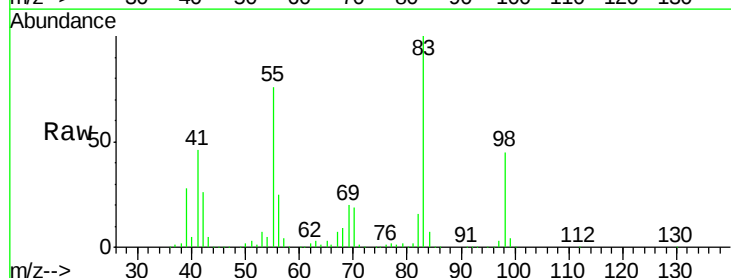
Manual Integrations
 APPROVED

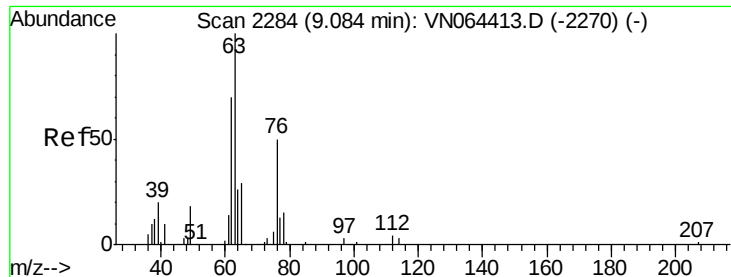
MMDadoda
 11/3/2020 2:20:50 PM



#38
 Methylcyclohexane
 Concen: 139.175 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 83 Resp: 758212
 Ion Ratio Lower Upper
 83 100
 55 76.1 38.3 114.9
 98 45.3 24.6 74.0





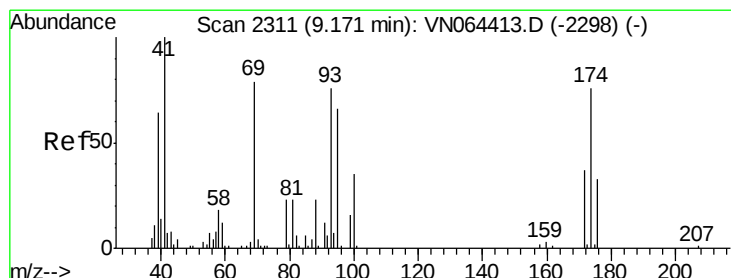
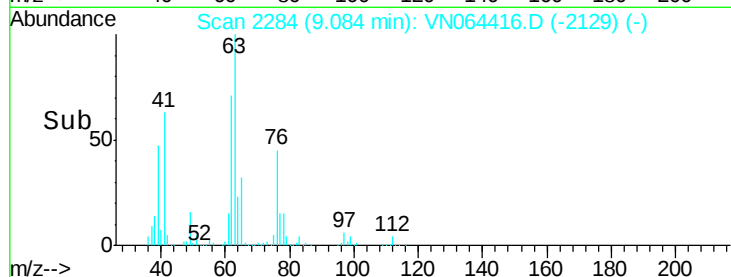
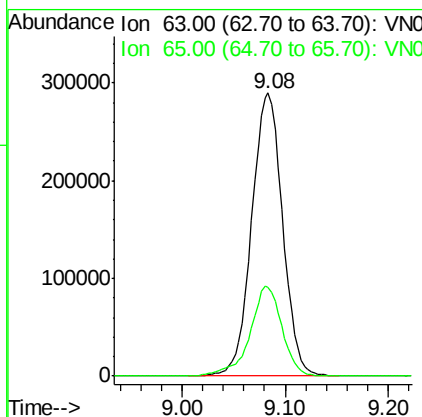
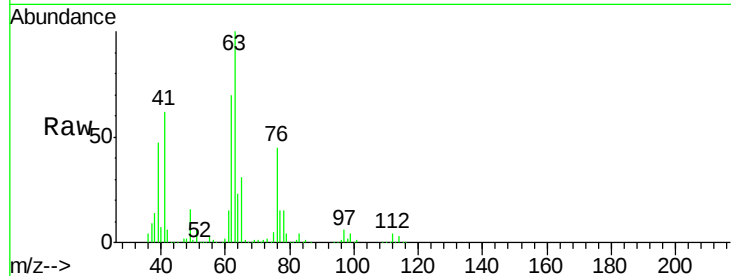
#39
 1,2-Dichloropropane
 Concen: 147.240 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 601044
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

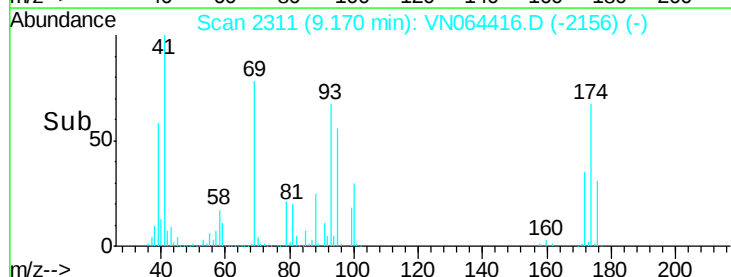
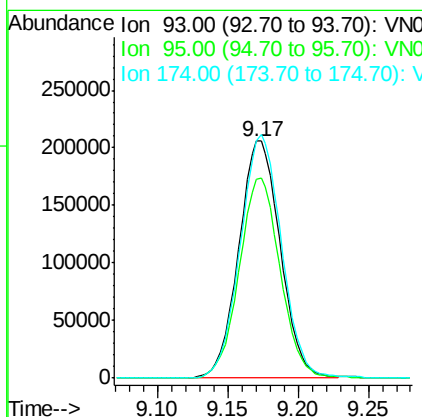
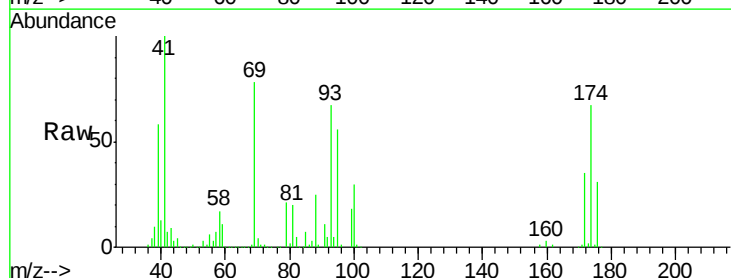
Manual Integrations
 APPROVED

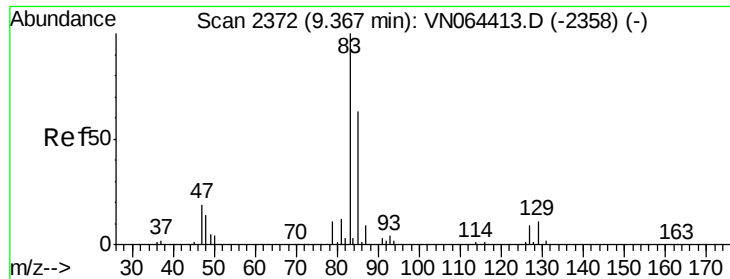
MMDadoda
 11/3/2020 2:20:50 PM



#40
 Dibromomethane
 Concen: 147.728 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 93 Resp: 424342
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 170.0
 174 101.8 0.0 199.8





#41

Bromodichloromethane

Concen: 146.692 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

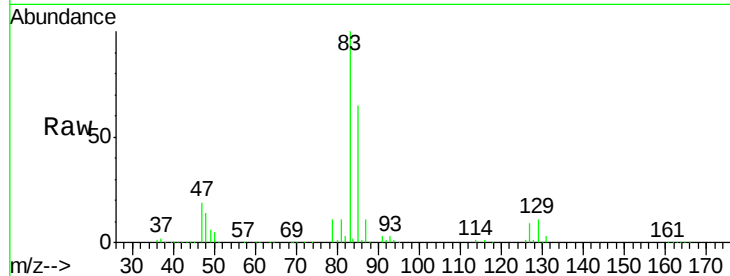
ClientSampleId :

VSTDIC150

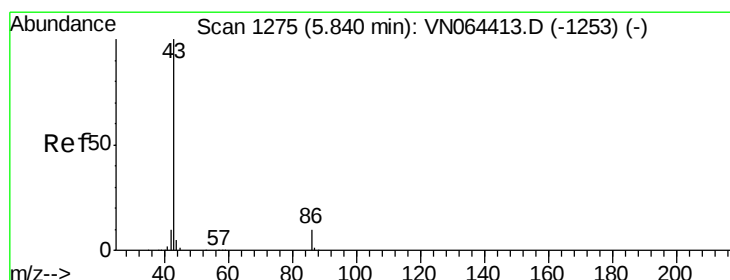
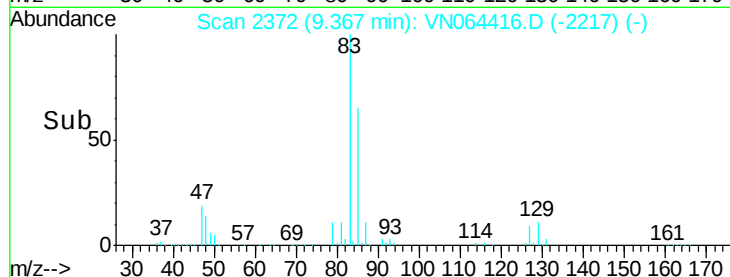
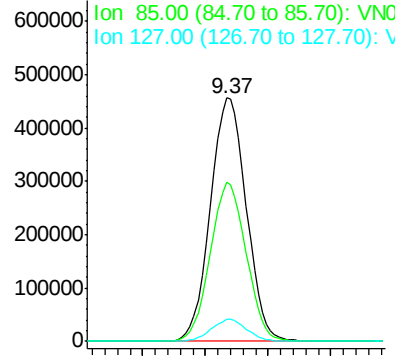
Tot Ion:	83	Resp:	908508
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.5	75.7
127	8.9	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



Abundance Ion 83.00 (82.70 to 83.70): VN064416.D (-2217) (-)



#42

Vinyl Acetate

Concen: 707.181 ug/l

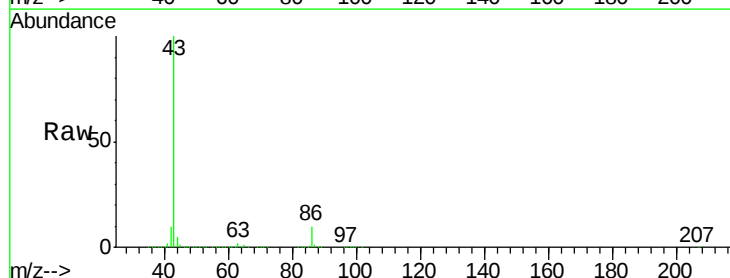
RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

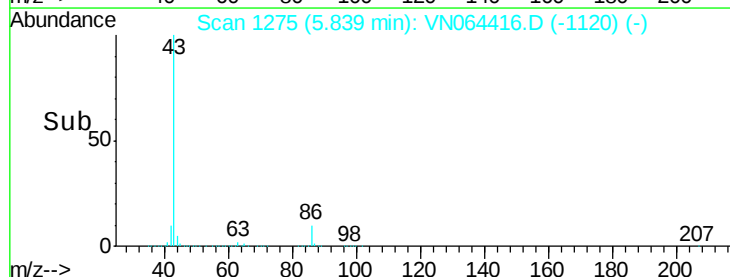
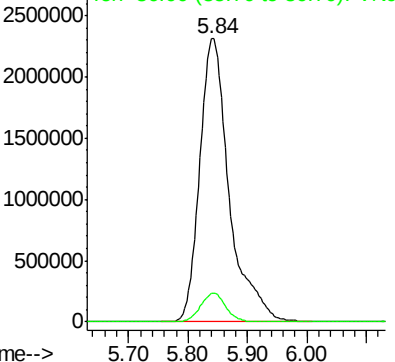
Lab File: VN064416.D

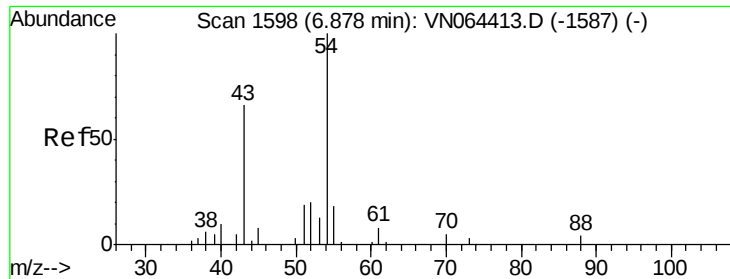
Acq: 2 Nov 2020 15:24

Tgt Ion:	43	Resp:	7984978
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN064416.D (-1120) (-)





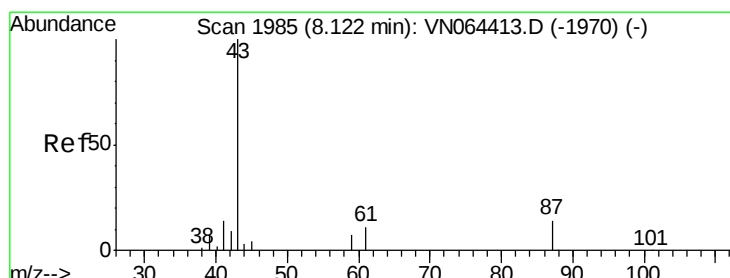
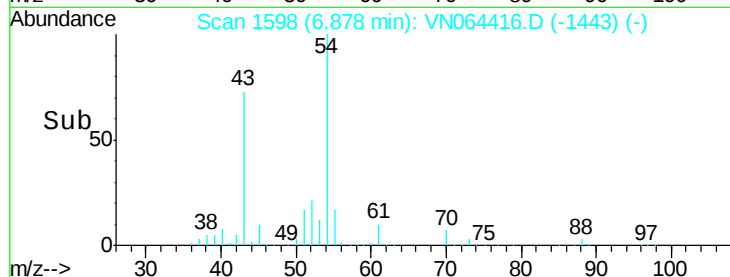
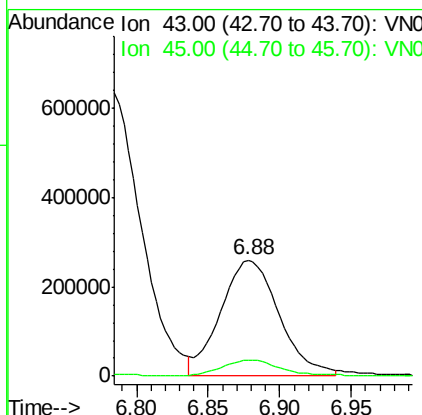
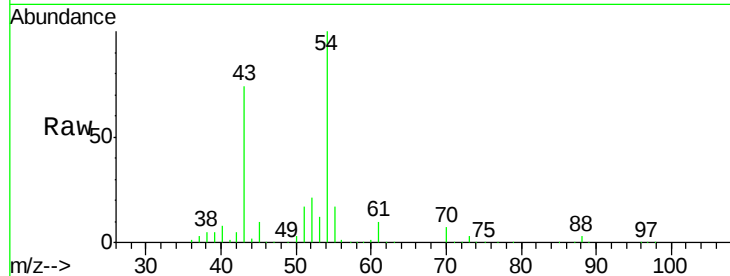
#43
Ethyl Acetate
Concen: 141.415 ug/l m
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 743206
Ion Ratio Lower Upper
43 100
45 1.9 5.2 7.8#

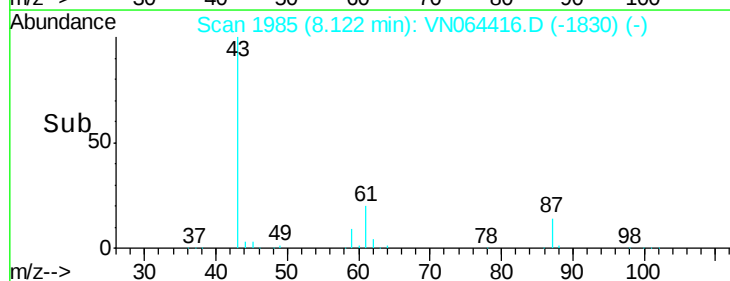
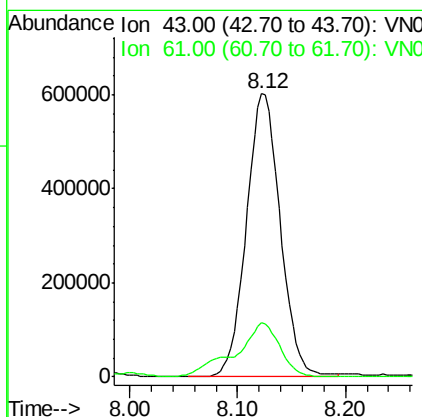
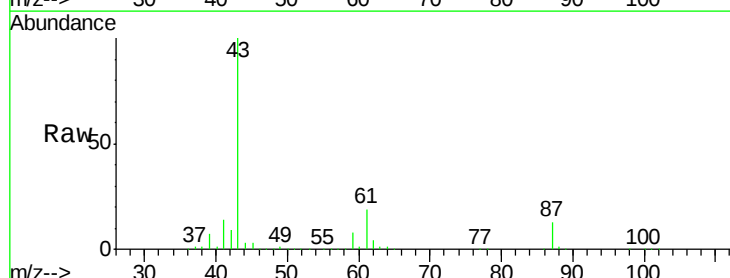
Manual Integrations
APPROVED

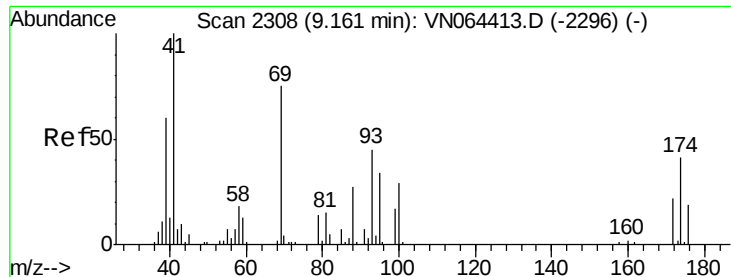
MMDadoda
11/3/2020 2:20:50 PM



#44
Isopropyl Acetate
Concen: 134.070 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 43 Resp: 1313585
Ion Ratio Lower Upper
43 100
61 18.7 0.2 0.4#





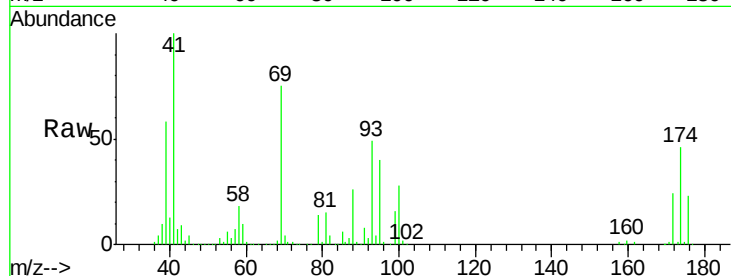
#45
1,4-Dioxane
Concen: 2487.813 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

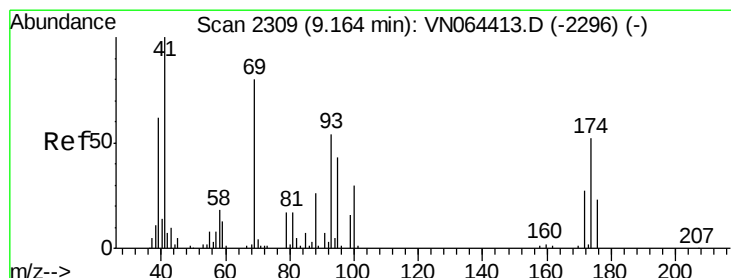
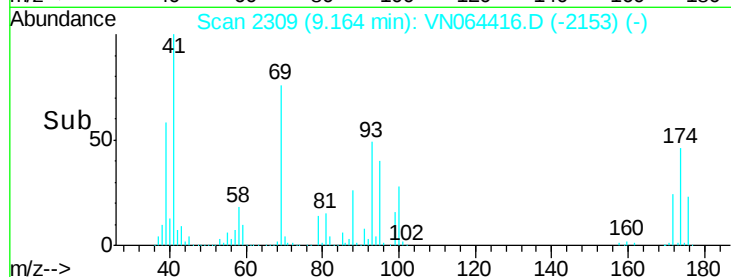
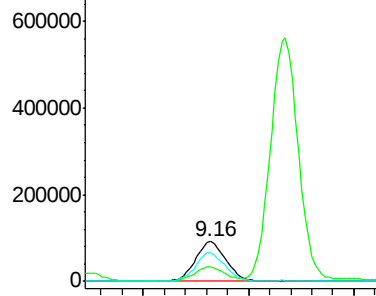
Tot Ion	Ratio	Resp	Lower	Upper
88	100	184917		
43	35.1	32.0	48.0	
58	68.4	59.1	88.7	

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

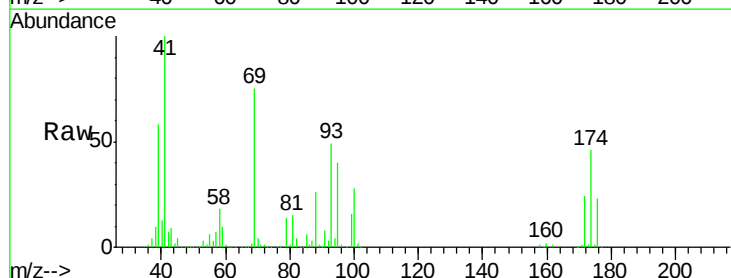


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

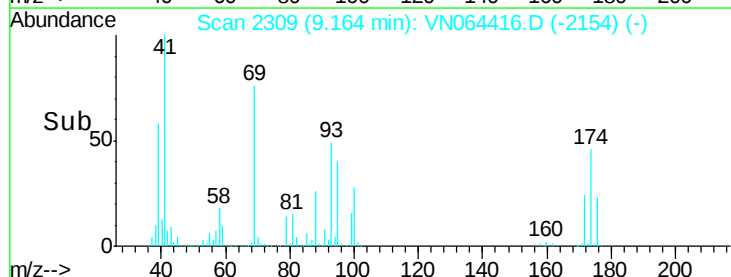
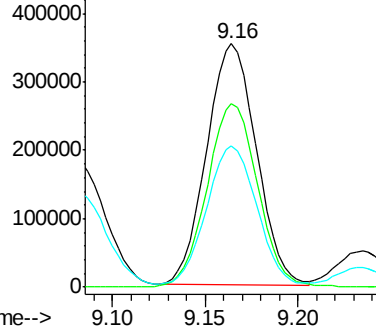


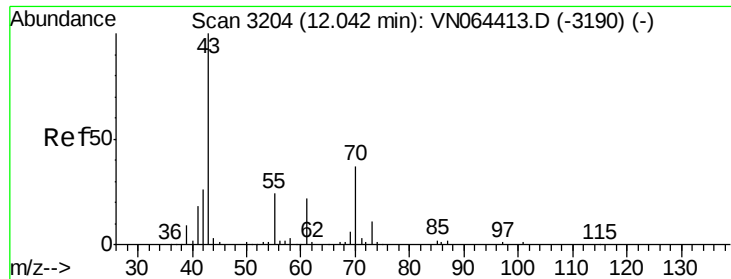
#46
Methyl methacrylate
Concen: 137.685 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	657147		
69	75.9	39.8	119.4	
39	57.6	30.5	91.5	



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





#47

n-amvl Acetate

Concen: 145.602 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1201055

Ion Ratio Lower Upper

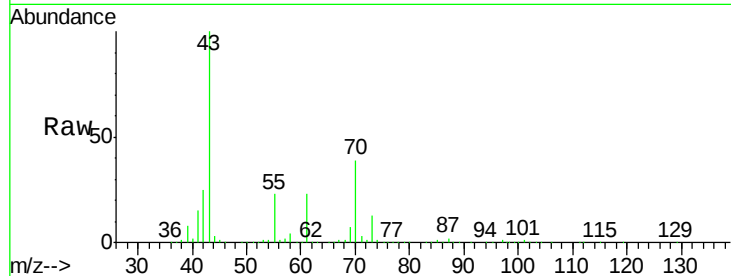
43 100

55 22.5 18.1 27.1

Manual Integrations
APPROVED

MMDadoda

11/3/2020 2:20:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.04

800000

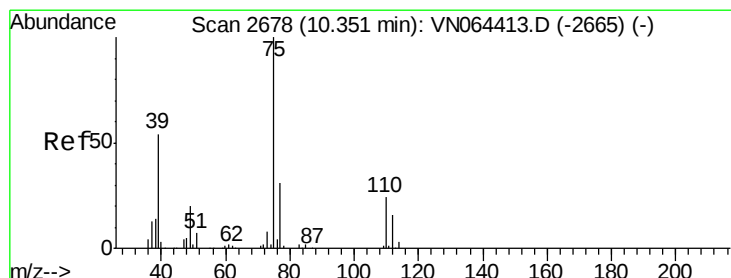
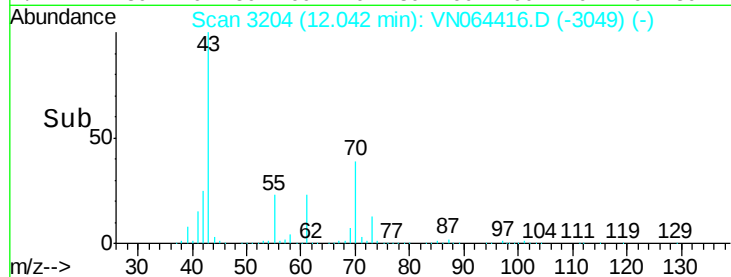
600000

400000

200000

0

Time--> 11.95 12.00 12.05 12.10



#48

t-1,3-Dichloropropene

Concen: 150.210 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064416.D

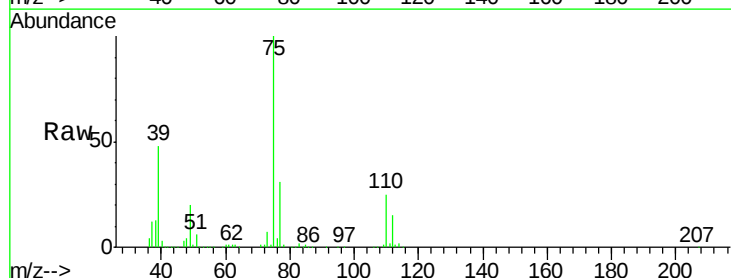
Acq: 2 Nov 2020 15:24

Tgt Ion: 75 Resp: 1032708

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

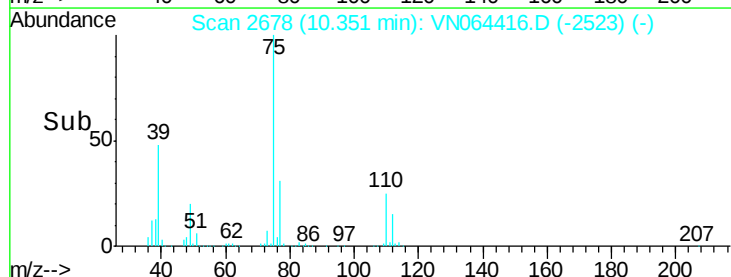
600000

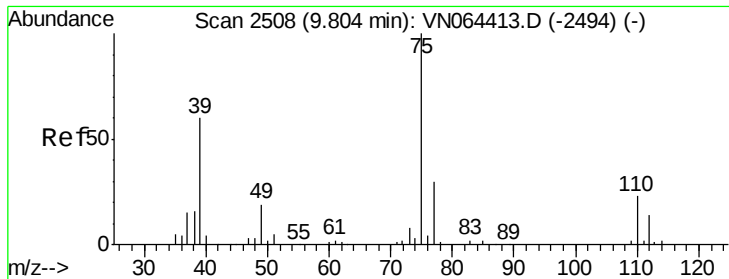
400000

200000

0

Time--> 10.30 10.40





#49

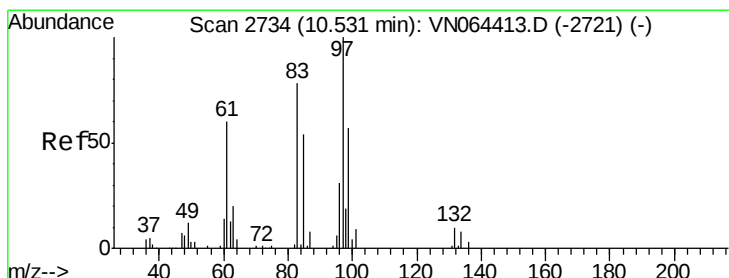
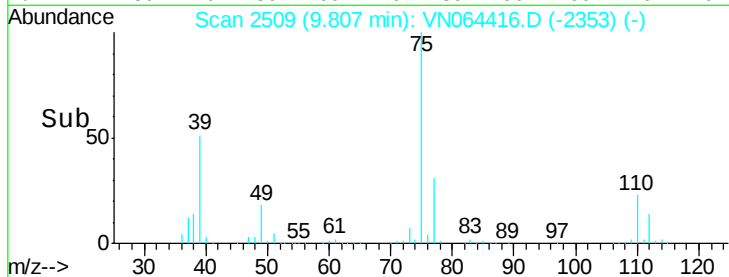
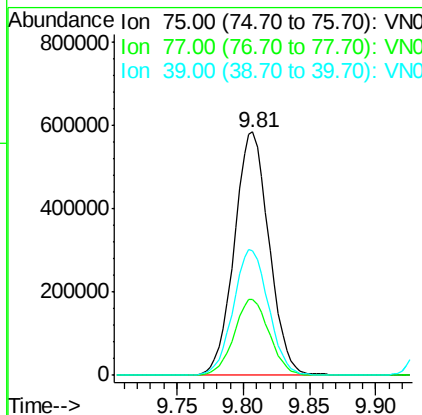
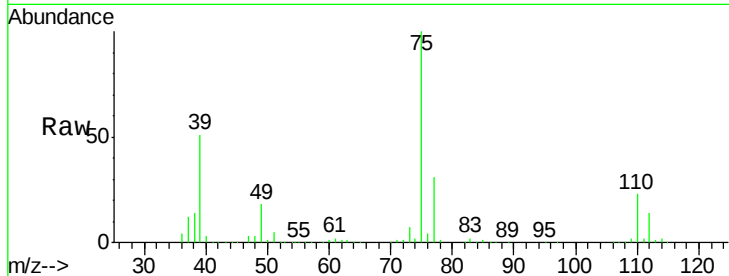
cis-1,3-Dichloropropene
 Concen: 149.954 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.3	36.5
39	51.0	48.0	72.0

Manual Integrations
 APPROVED

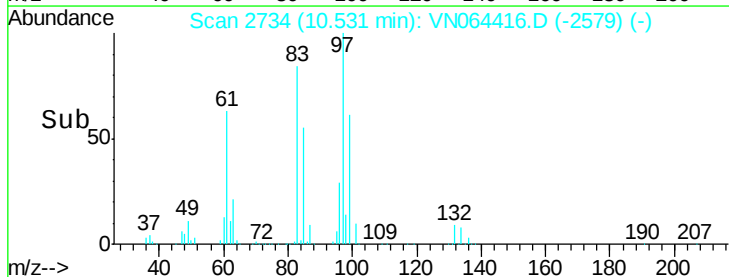
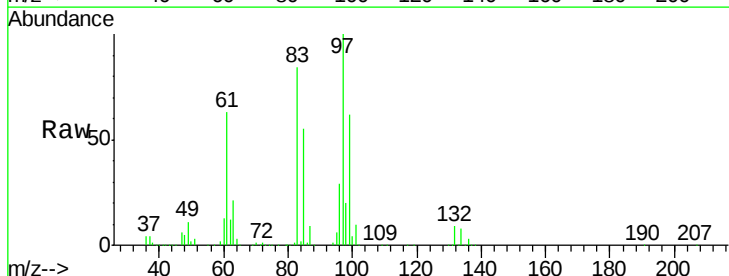
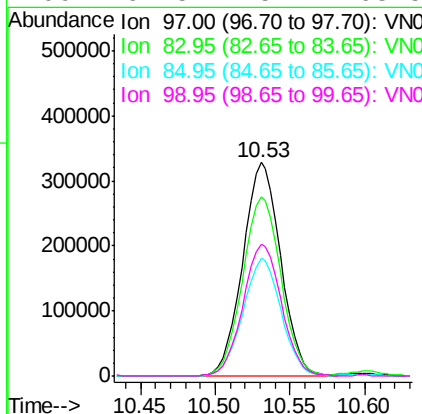
MMDadoda
 11/3/2020 2:20:50 PM

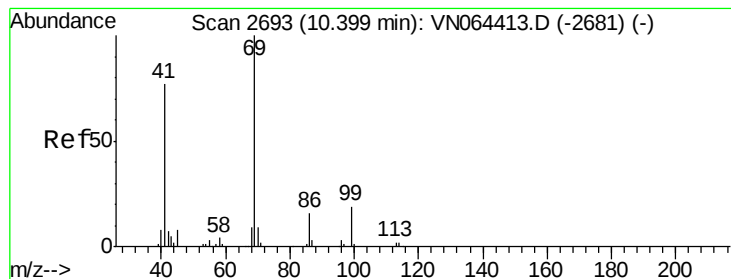


#50

1,1,2-Trichloroethane
 Concen: 150.912 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	62.4	93.6
85	55.1	42.9	64.3
99	61.5	45.7	68.5





#51

Ethyl methacrylate

Concen: 149.046 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

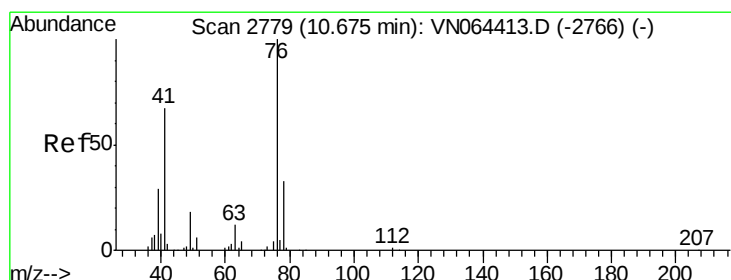
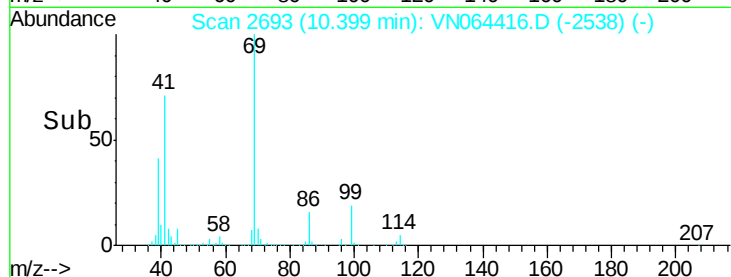
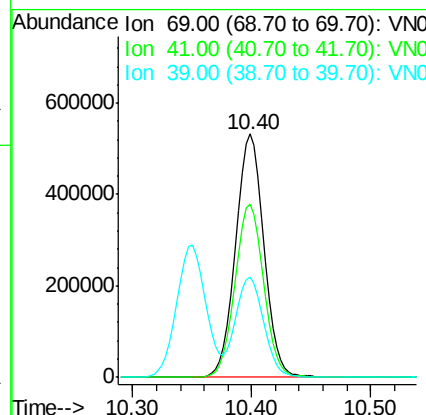
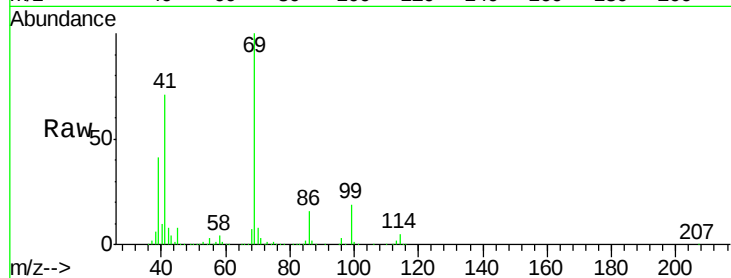
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	878304
Ion	Ratio	Lower	Upper
69	100		
41	70.9	38.4	115.2
39	40.9	22.7	68.0

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



#52

1,3-Dichloropropane

Concen: 147.519 ug/l

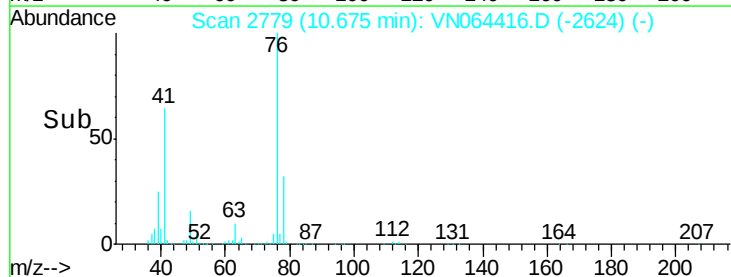
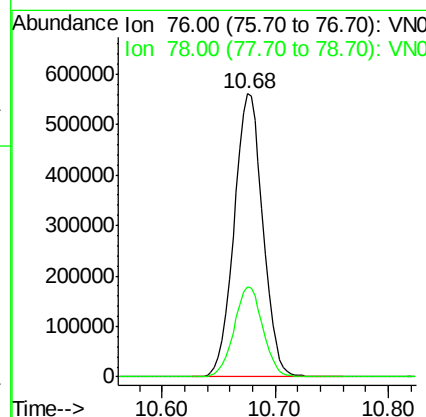
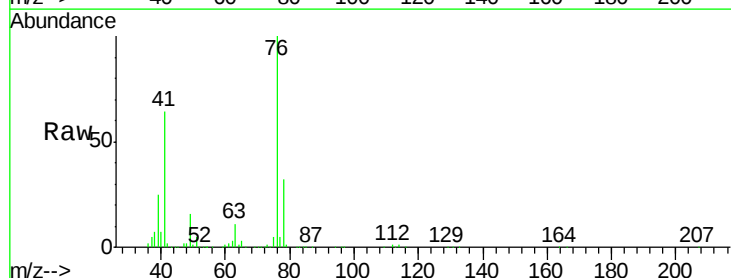
RT: 10.68 min Scan# 2779

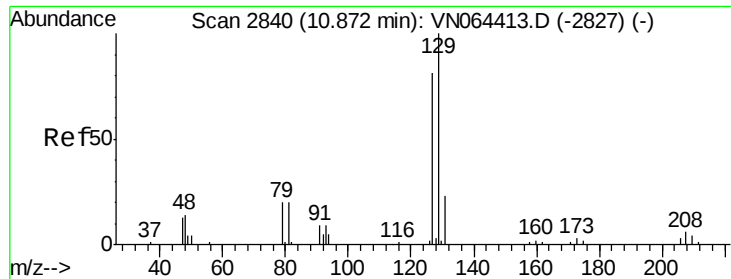
Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Tgt Ion:	76	Resp:	991461
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	65.2





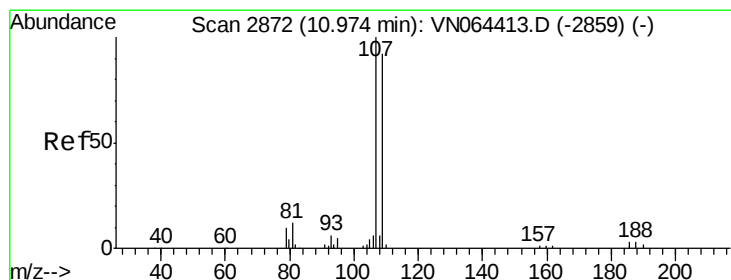
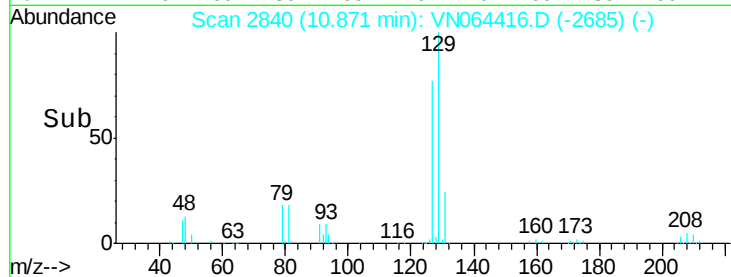
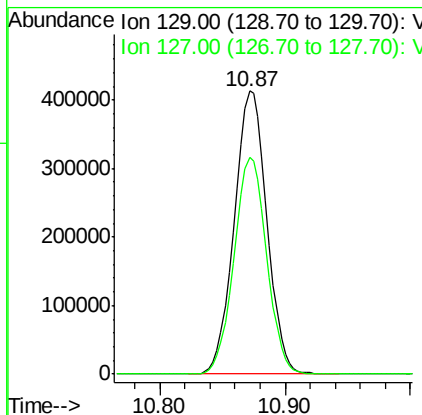
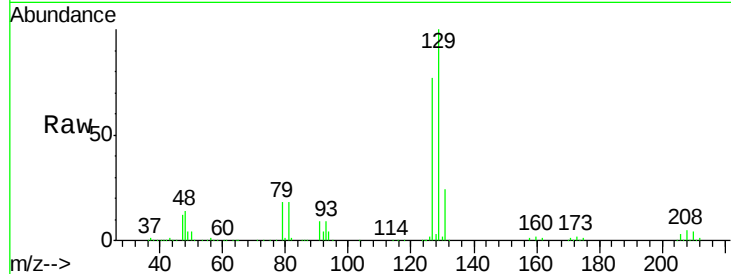
#53
 Dibromochloromethane
 Concen: 159.104 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	115.7

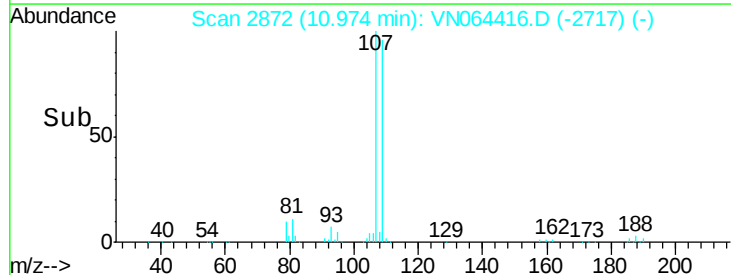
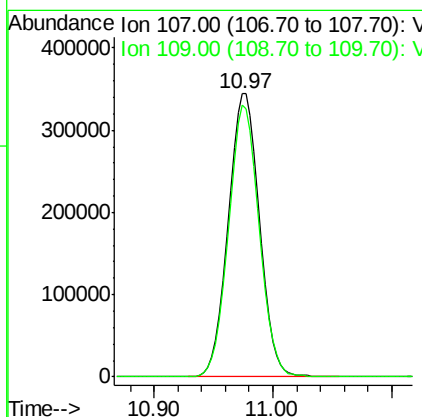
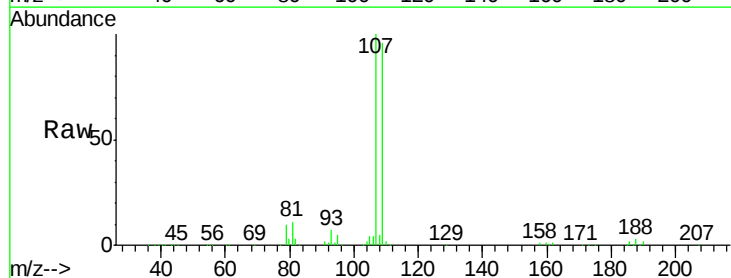
Manual Integrations
 APPROVED

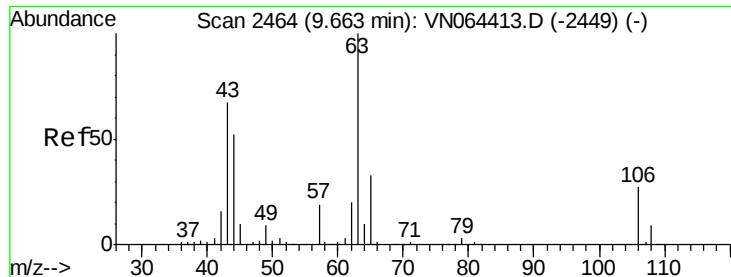
MMDadoda
 11/3/2020 2:20:50 PM



#54
 1,2-Dibromoethane
 Concen: 152.658 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.5	114.7





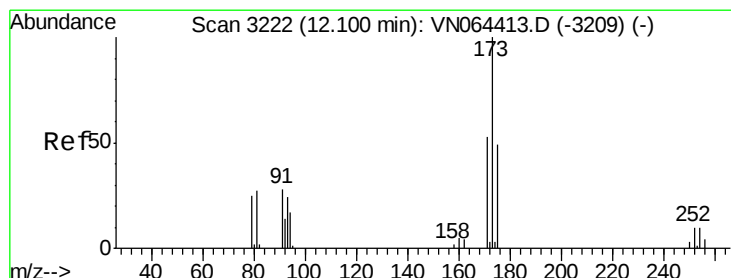
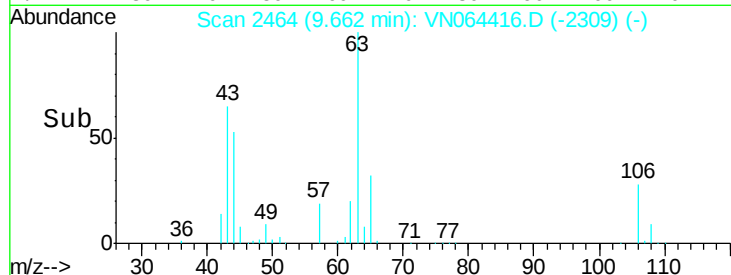
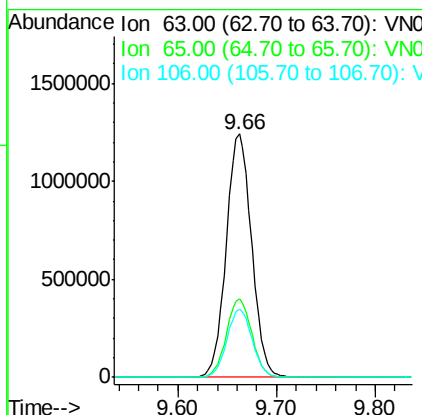
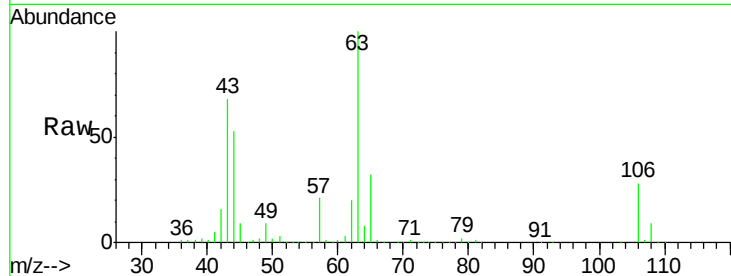
#55
2-Chloroethyl vinyl ether
Concen: 754.536 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 2224872
Ion Ratio Lower Upper
63 100
65 32.3 26.2 39.4
106 27.8 21.8 32.6

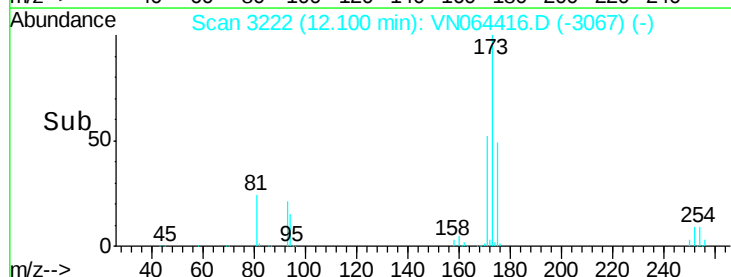
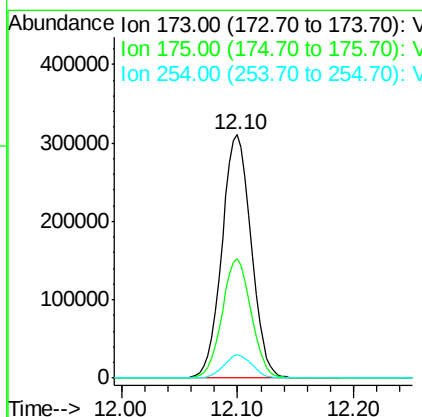
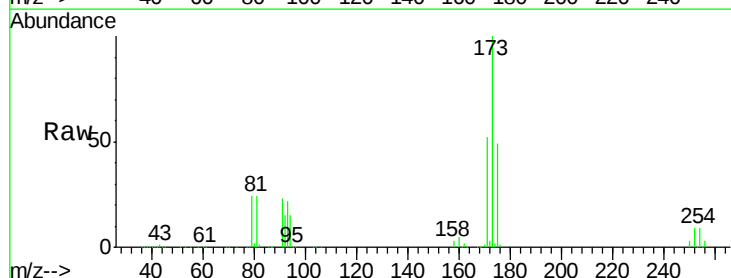
Manual Integrations
APPROVED

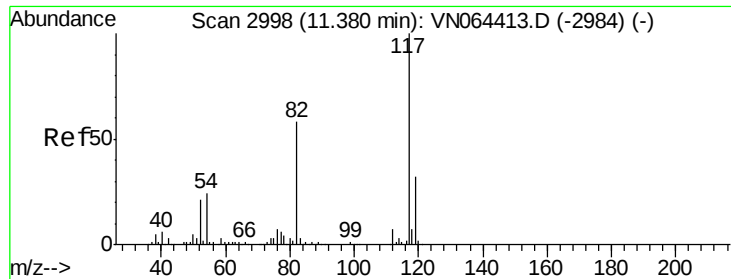
MMDadoda
11/3/2020 2:20:50 PM



#56
Bromoform
Concen: 164.039 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 173 Resp: 543667
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 9.3 7.0 10.6





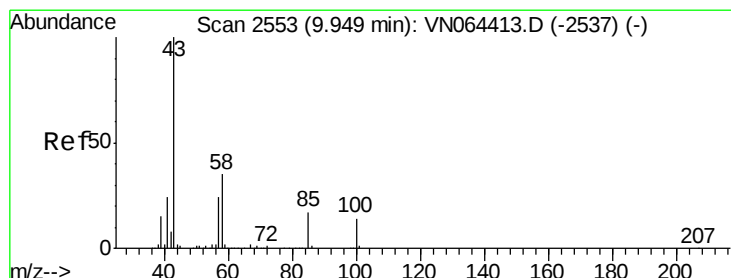
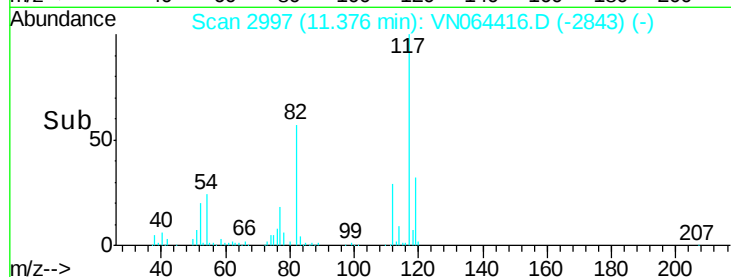
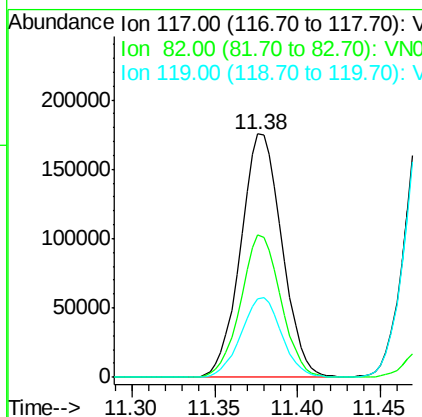
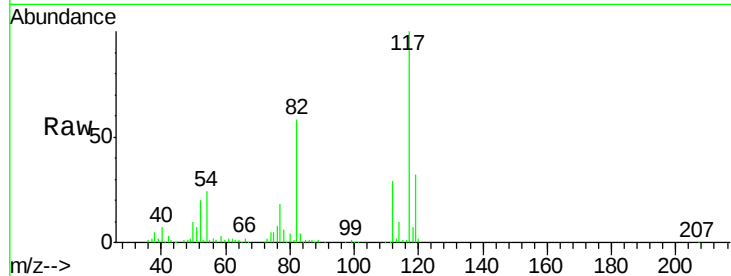
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	303824		
82	56.8	46.1	69.1	
119	32.2	26.2	39.2	

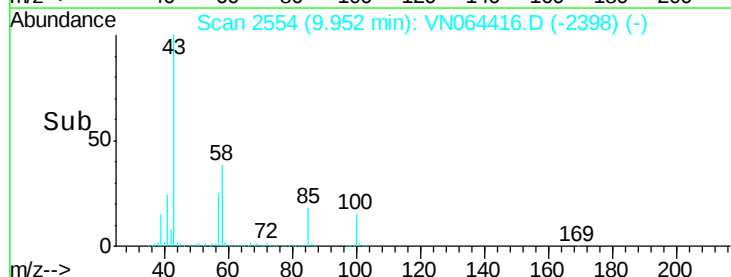
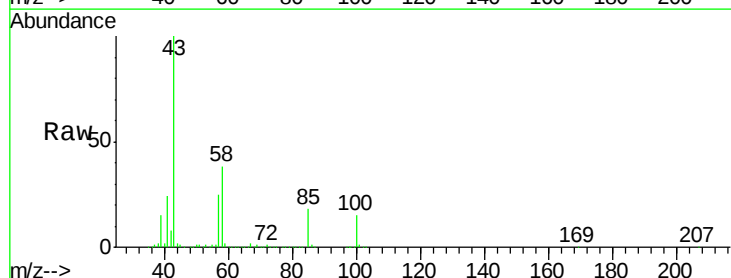
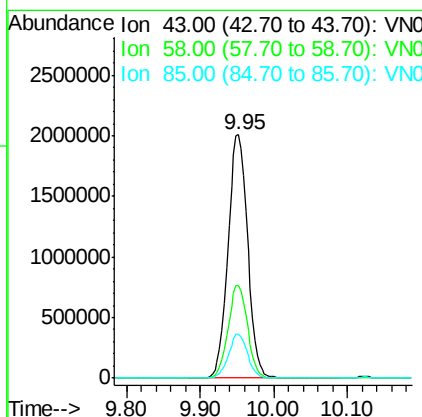
Manual Integrations
APPROVED

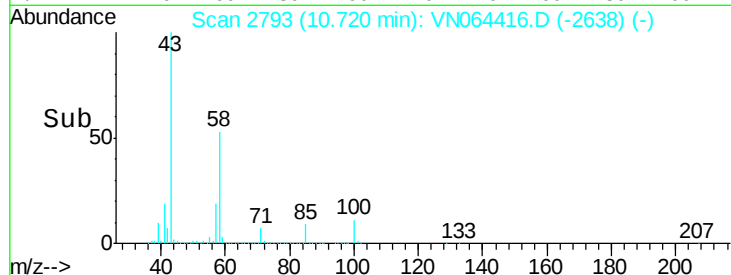
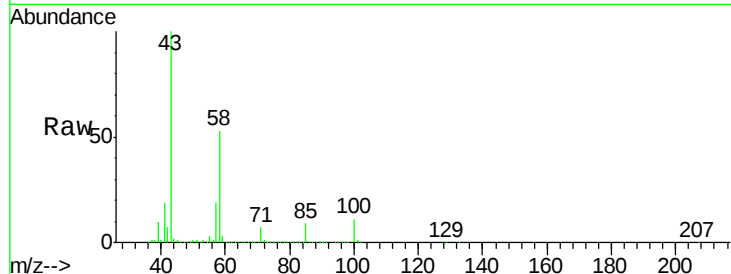
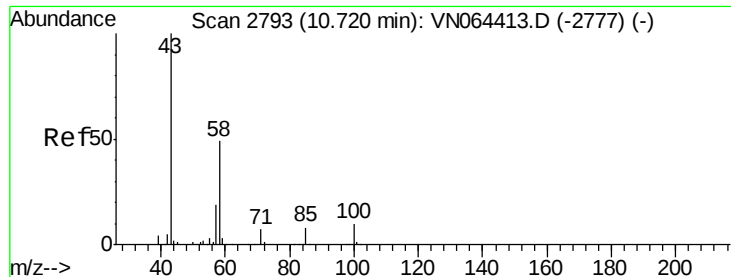
MMDadoda
11/3/2020 2:20:50 PM



#58
4-Methyl-2-Pentanone
Concen: 679.189 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3695776		
58	37.7	28.6	43.0	
85	17.6	13.5	20.3	





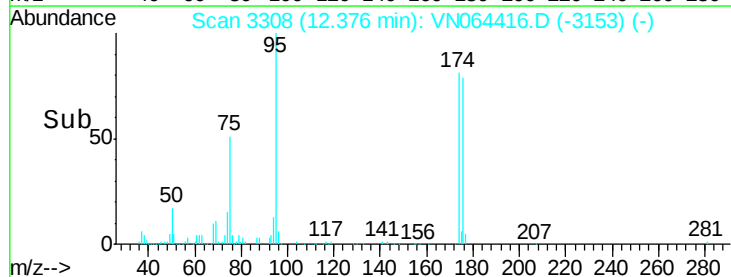
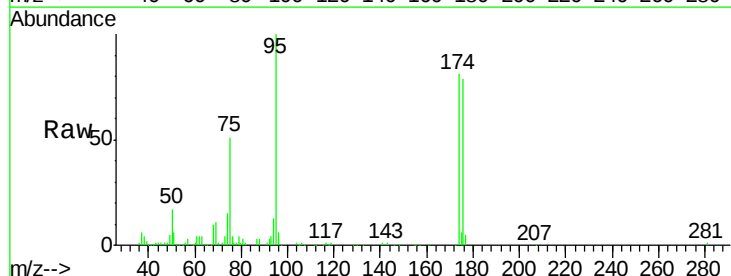
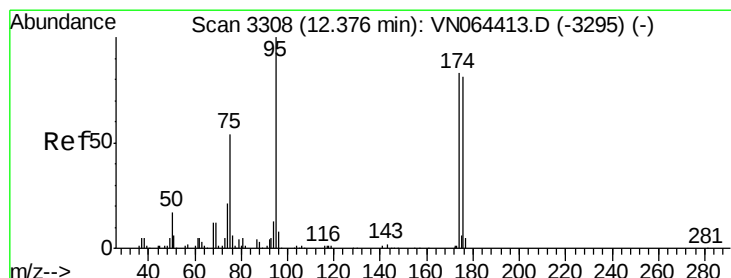
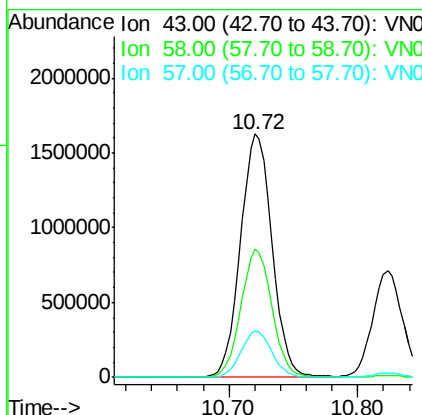
#59
2-Hexanone
Concen: 676.417 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tot Ion: 43 Resp: 2771973
Ion Ratio Lower Upper
43 100
58 51.8 39.4 59.0
57 18.8 14.4 21.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

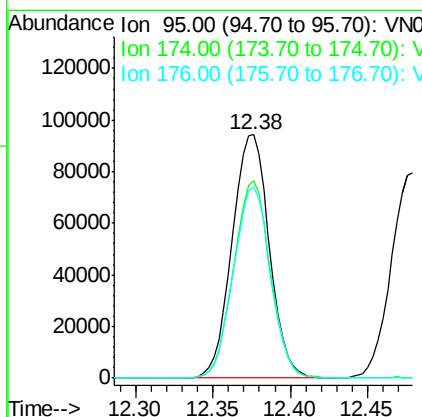
Manual Integrations
APPROVED

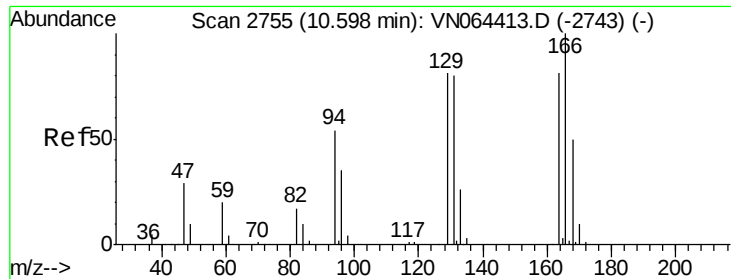
MMDadoda
11/3/2020 2:20:50 PM



#60
4-Bromofluorobenzene
Concen: 29.509 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 95 Resp: 157278
Ion Ratio Lower Upper
95 100
174 80.0 65.2 97.8
176 79.2 62.2 93.4





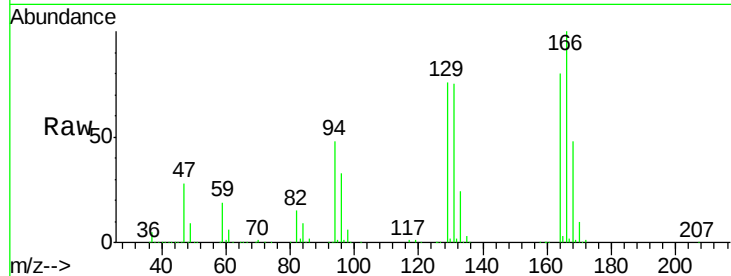
#61
Tetrachloroethene
Concen: 151.372 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.4	98.7	148.1
129	95.5	80.2	120.4
131	93.4	78.7	118.1

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

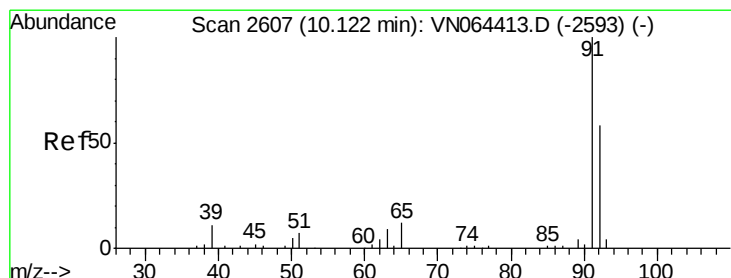
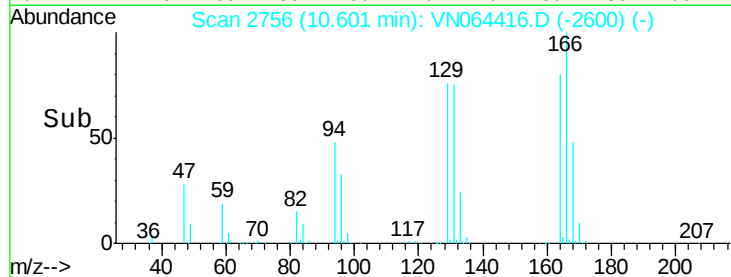
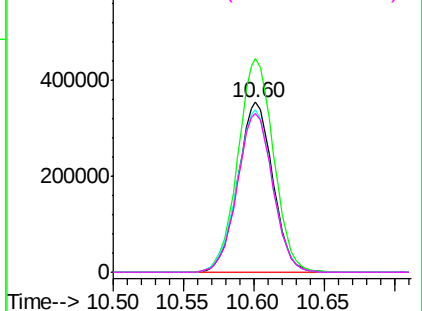


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

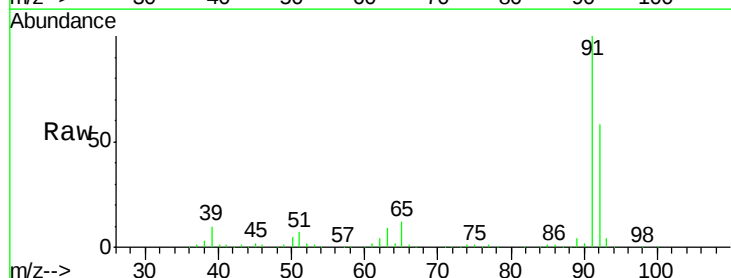
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



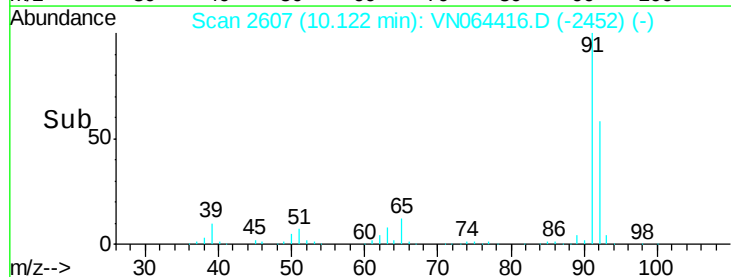
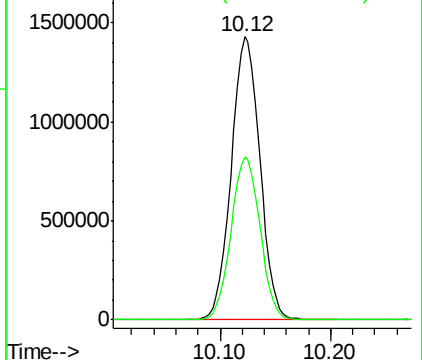
#62
Toluene
Concen: 153.812 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

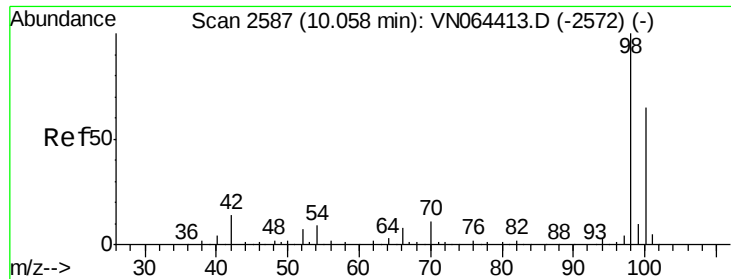
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.2	69.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





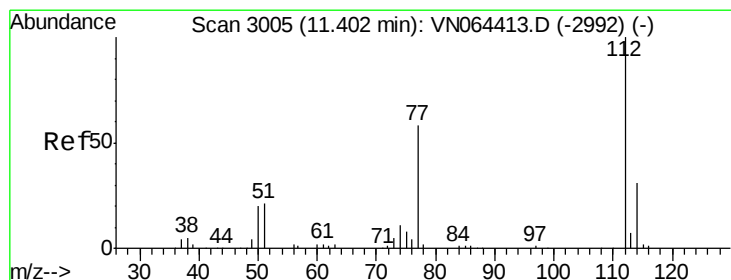
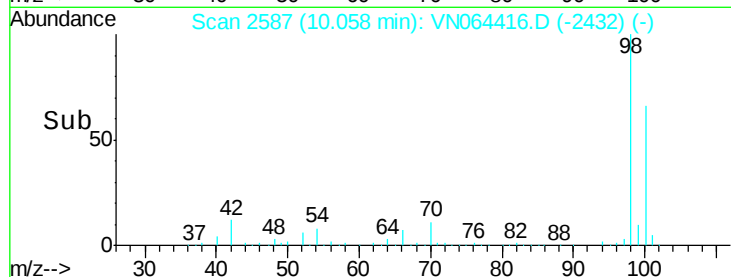
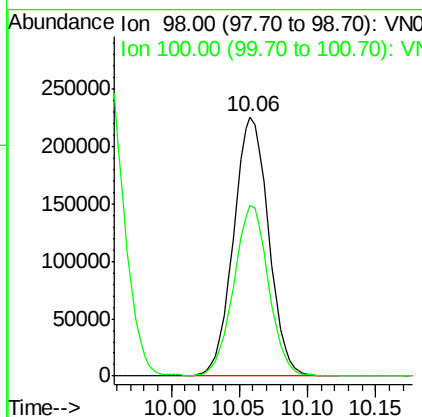
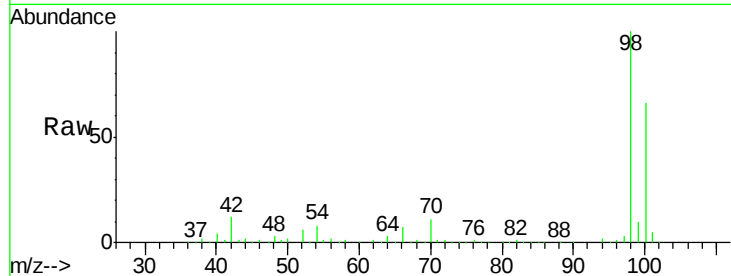
#63
Toluene-d8
Concen: 29.868 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 98 Resp: 403340
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

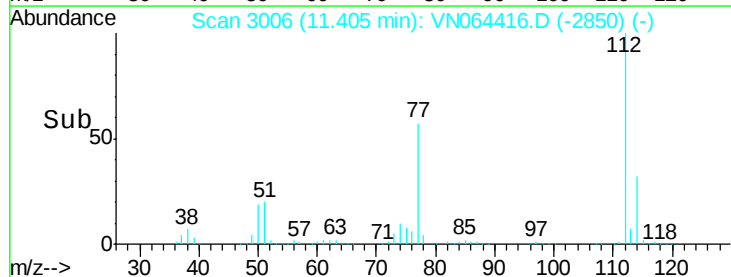
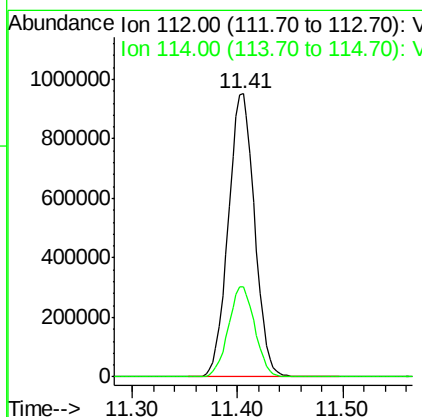
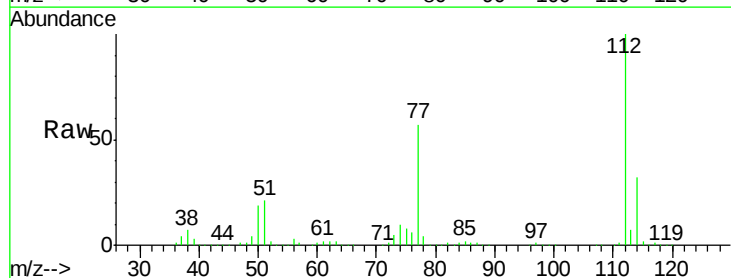
Manual Integrations
APPROVED

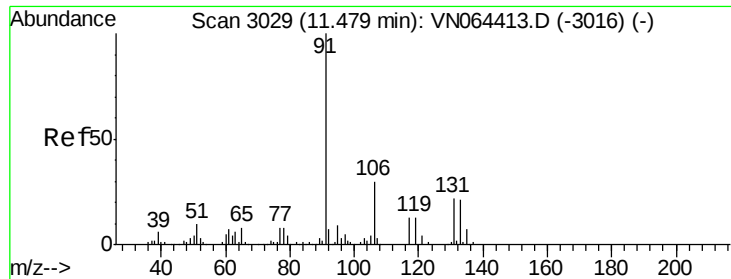
MMDadoda
11/3/2020 2:20:50 PM



#64
Chlorobenzene
Concen: 156.369 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 112 Resp: 1638086
Ion Ratio Lower Upper
112 100
114 31.7 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 157.930 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

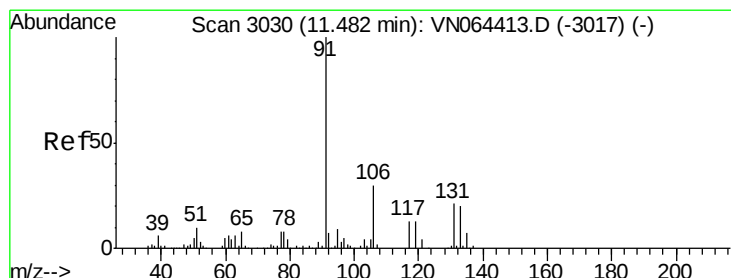
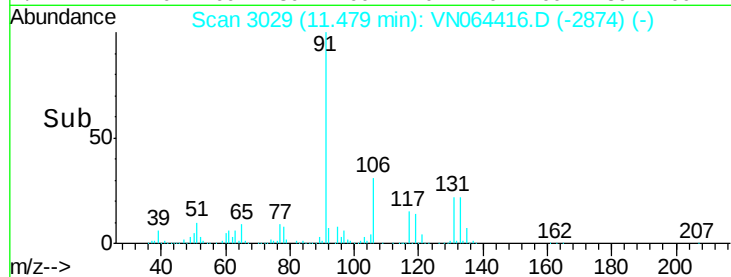
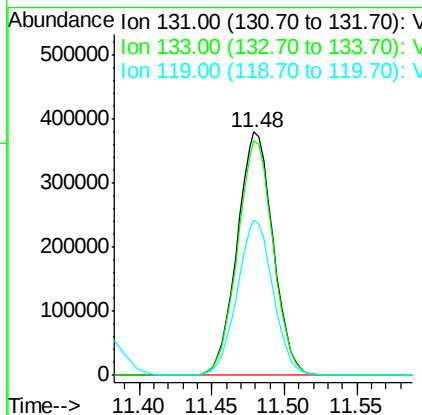
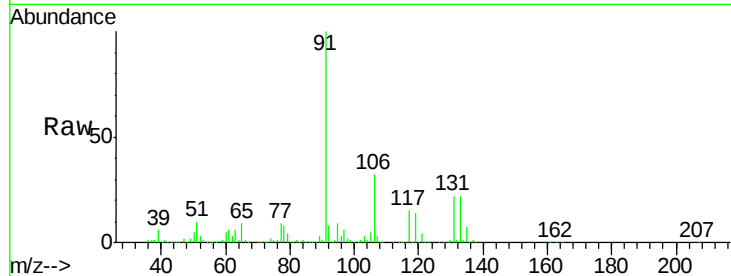
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	652695
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	191.2
119	63.7	0.0	125.6

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



#66

Ethyl Benzene

Concen: 153.612 ug/l

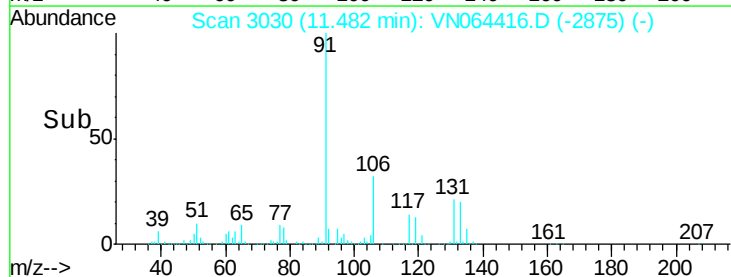
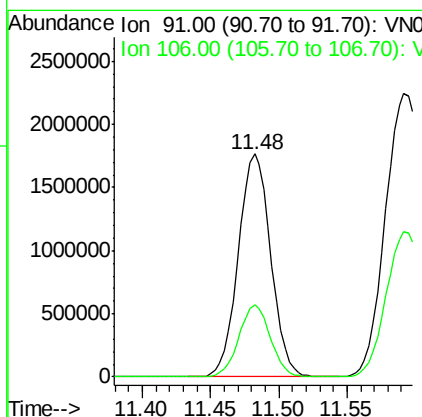
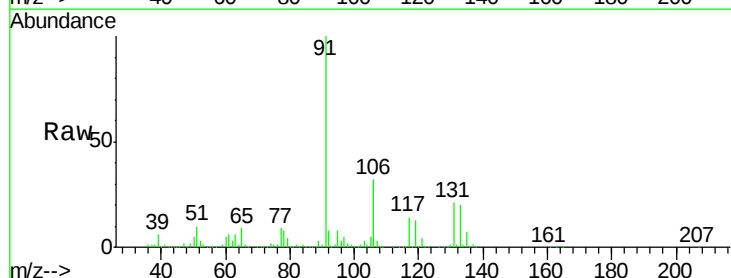
RT: 11.48 min Scan# 3030

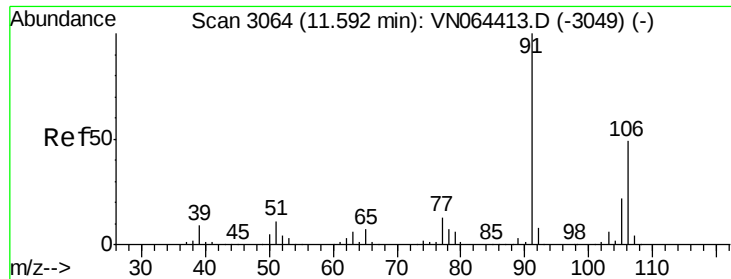
Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Tgt Ion:	91	Resp:	2915874
Ion Ratio	Lower	Upper	
91	100		
106	32.2	23.9	35.9





#67

m/p-Xylenes

Concen: 316.713 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:106 Resp: 2226673

Ion Ratio Lower Upper

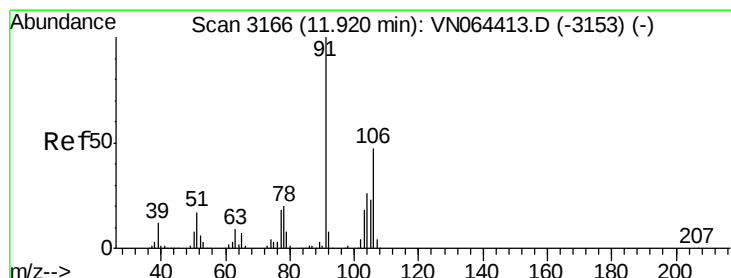
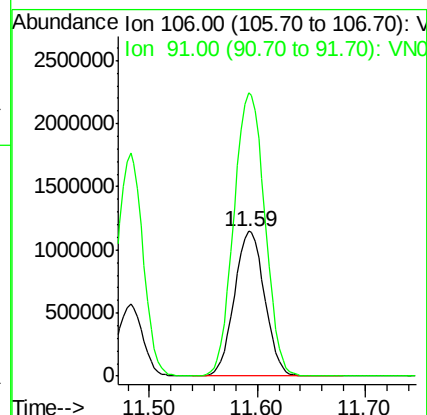
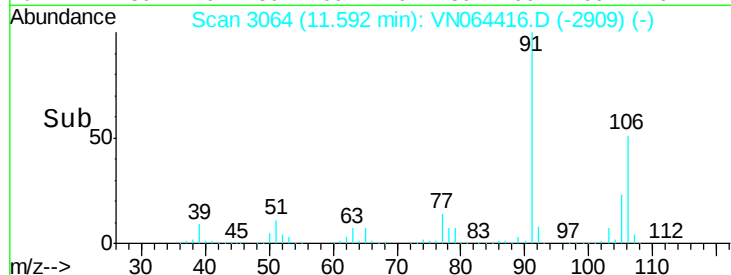
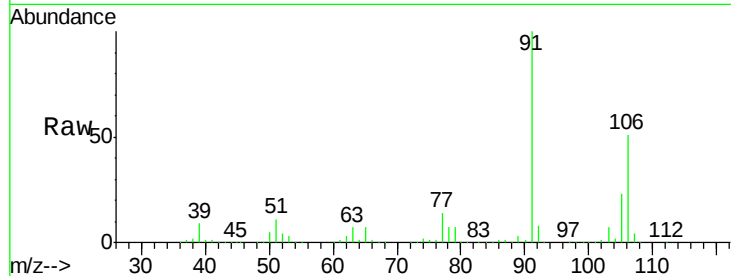
106 100

91 201.2 166.8 250.2

Manual Integrations
APPROVED

MMDadoda

11/3/2020 2:20:50 PM



#68

o-Xylene

Concen: 155.413 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064416.D

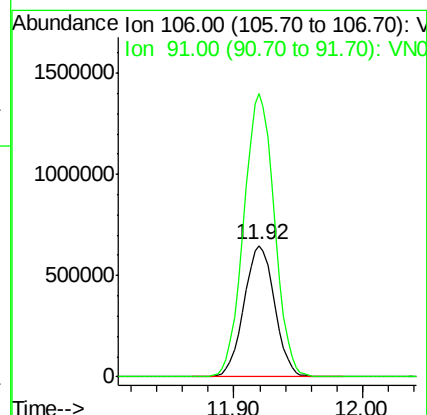
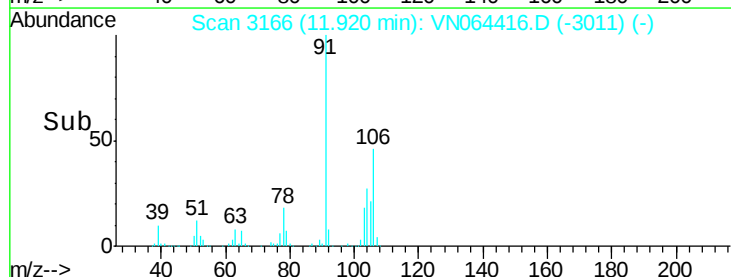
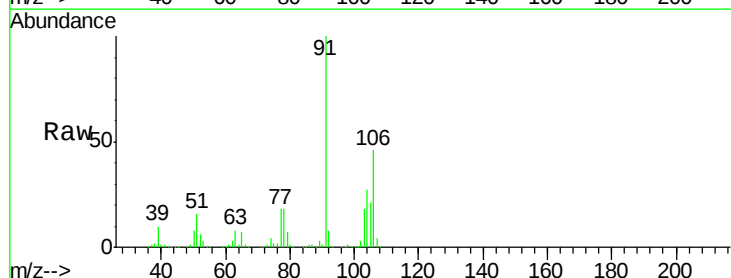
Acq: 2 Nov 2020 15:24

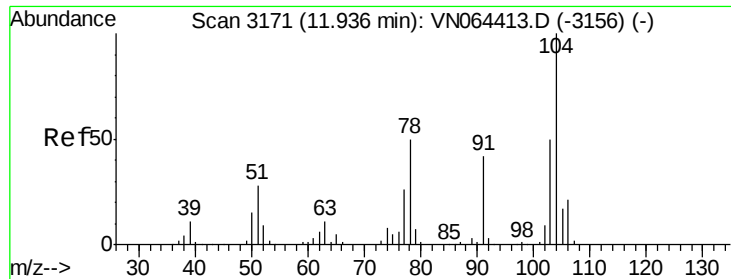
Tgt Ion:106 Resp: 1072401

Ion Ratio Lower Upper

106 100

91 215.8 106.7 320.1





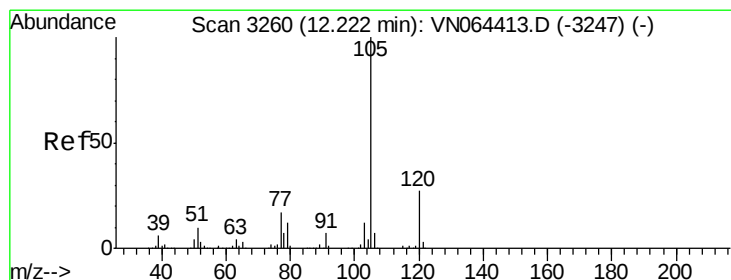
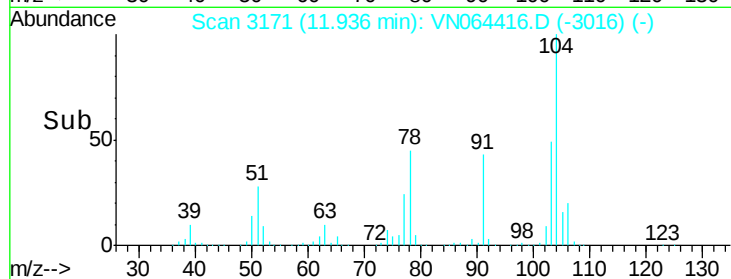
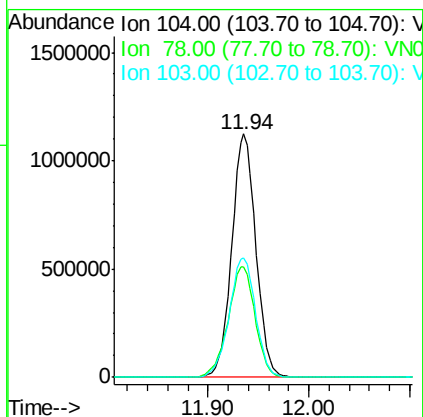
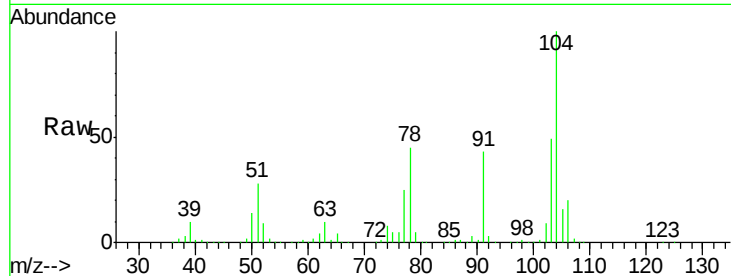
#69
Stvrene
Concen: 163.648 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1867985
Ion Ratio Lower Upper
104 100
78 50.9 44.3 66.5
103 53.8 43.5 65.3

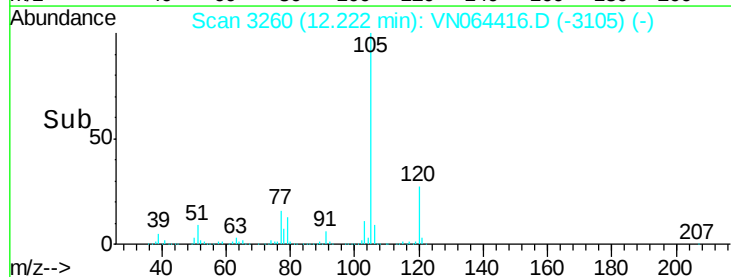
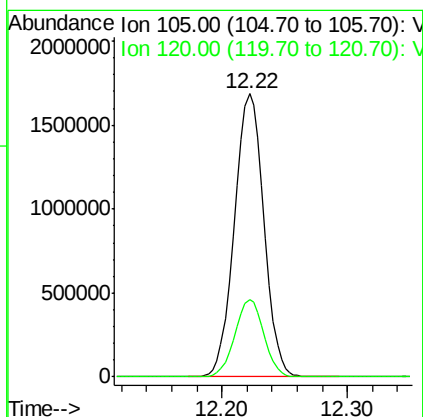
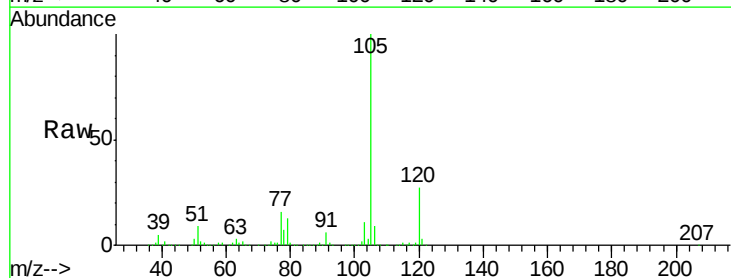
Manual Integrations
APPROVED

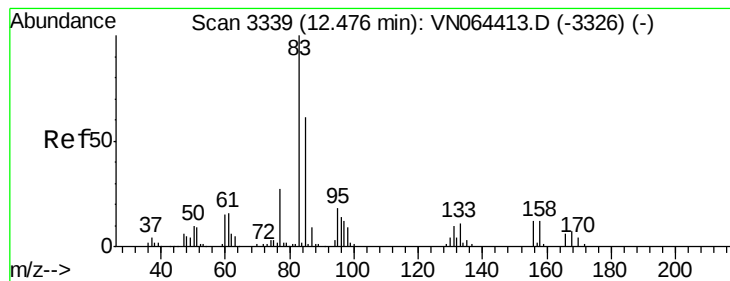
MMDadoda
11/3/2020 2:20:50 PM



#70
Isopropylbenzene
Concen: 151.366 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion:105 Resp: 2749447
Ion Ratio Lower Upper
105 100
120 26.9 18.0 33.4





#71

1,1,2,2-Tetrachloroethane

Concen: 149.768 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 767975

Ion Ratio Lower Upper

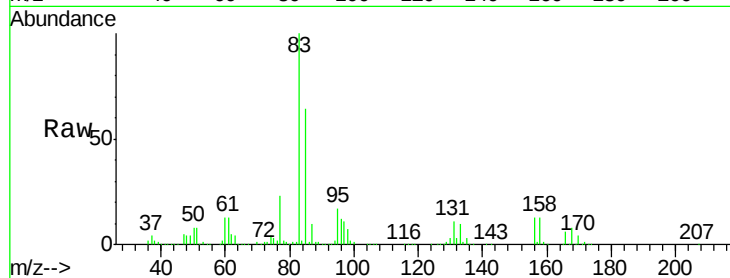
83 100

131 11.1 5.3 16.1

85 64.8 30.9 92.7

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

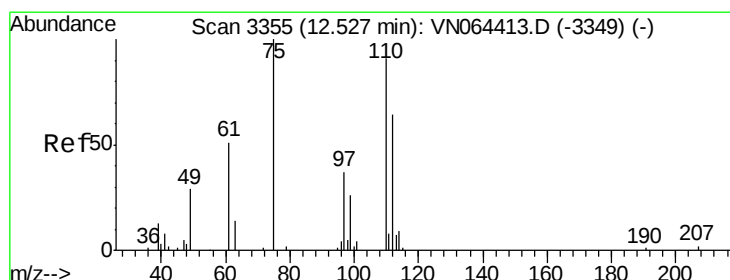
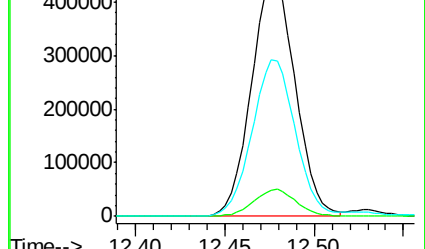
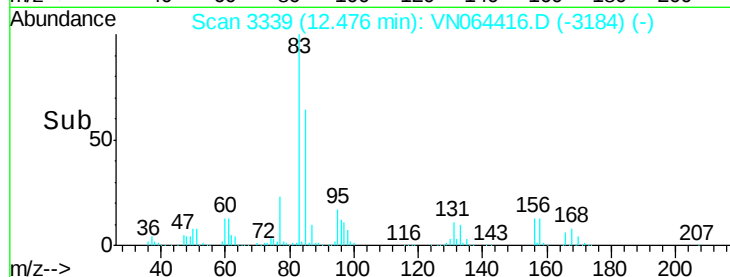


Abundance Ion 83.00 (82.70 to 83.70): VN064413.D (-3326) (-)

Ion 131.00 (130.70 to 131.70): VN064413.D (-3326) (-)

Ion 85.00 (84.70 to 85.70): VN064413.D (-3326) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 148.200 ug/l m

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064416.D

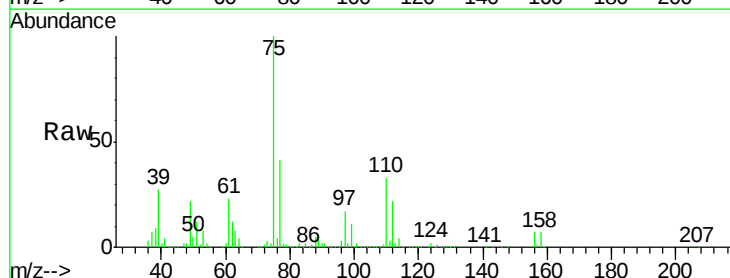
Acq: 2 Nov 2020 15:24

Tgt Ion: 75 Resp: 786711

Ion Ratio Lower Upper

75 100

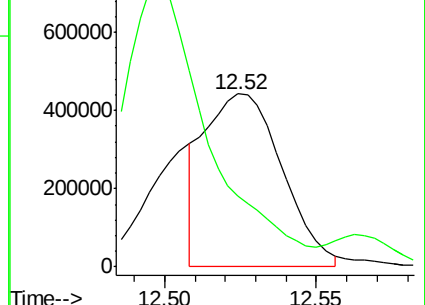
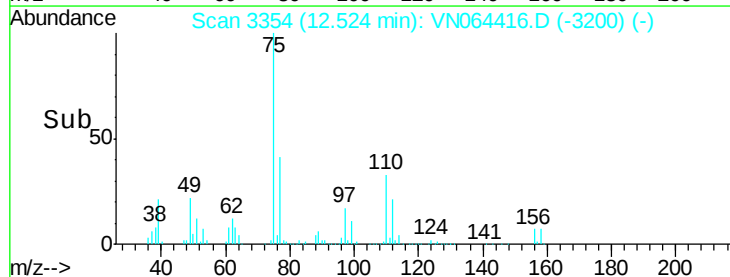
77 186.2 0.0 374.2

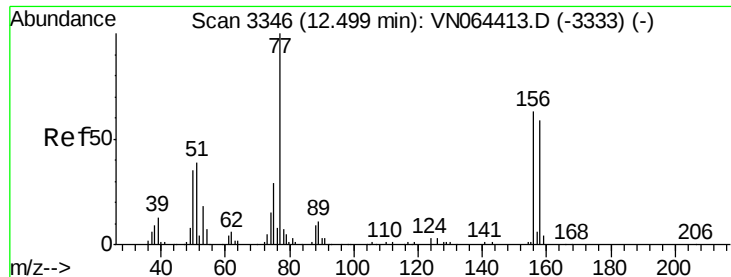


Abundance Ion 75.00 (74.70 to 75.70): VN064413.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064413.D (-3349) (-)

Time-->





#73

Bromobenzene

Concen: 163.430 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

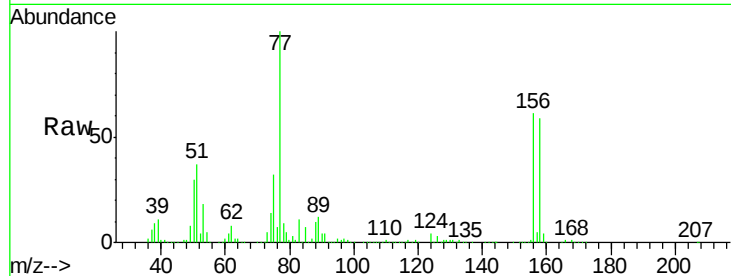
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	736546
Ion Ratio	Lower	Upper	
156	100		
77	198.9	0.0	409.4
158	97.4	0.0	192.0

Manual Integrations
APPROVED

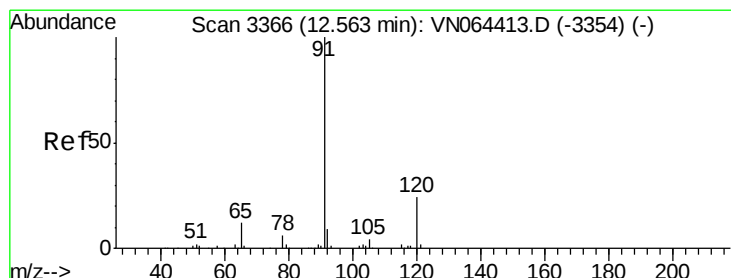
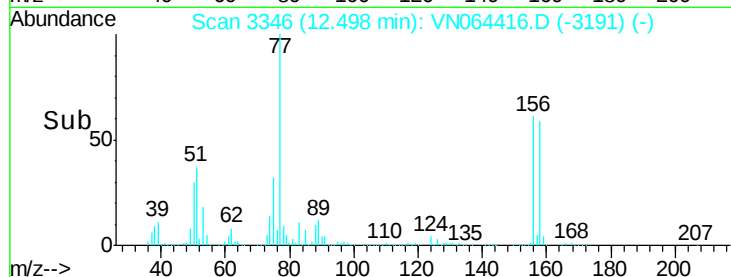
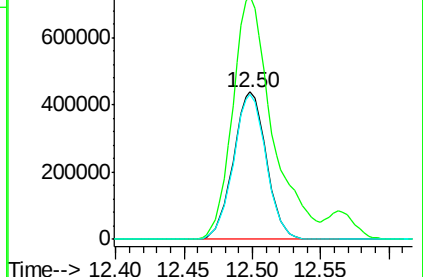
MMDadoda
11/3/2020 2:20:50 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 150.061 ug/l

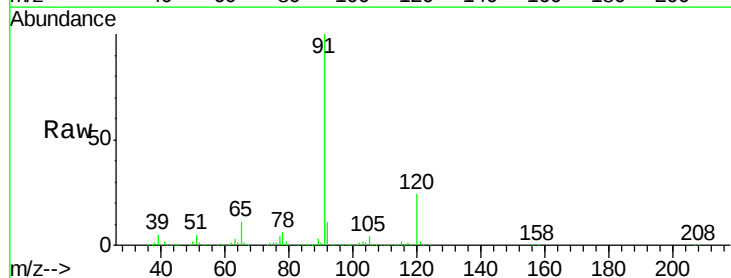
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064416.D

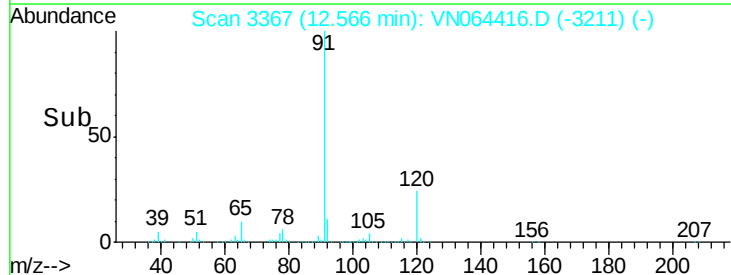
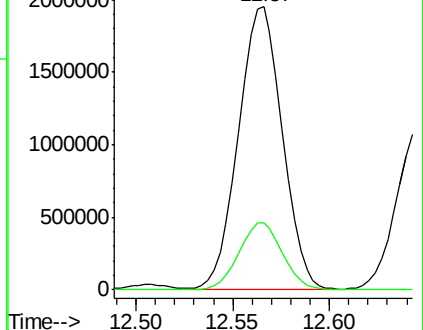
Acq: 2 Nov 2020 15:24

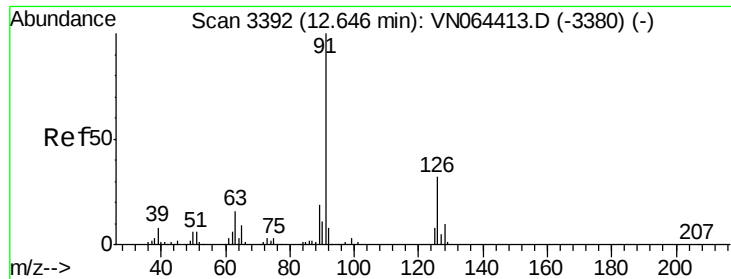
Tgt Ion:	91	Resp:	3085835
Ion Ratio	Lower	Upper	
91	100		
120	23.5	0.0	47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 151.239 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1931420

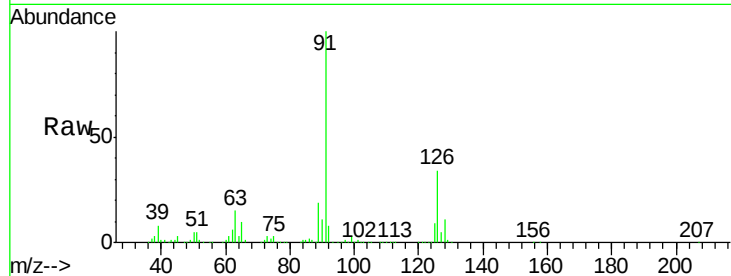
Ion Ratio Lower Upper

91 100

126 34.0 0.0 63.8

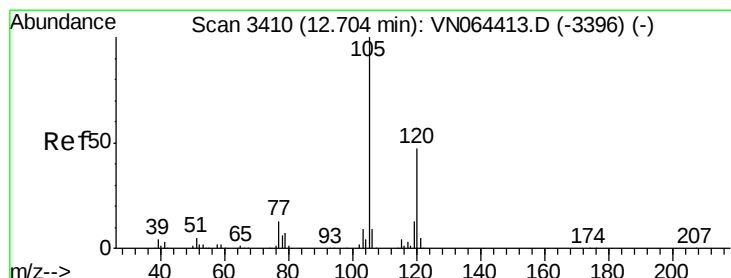
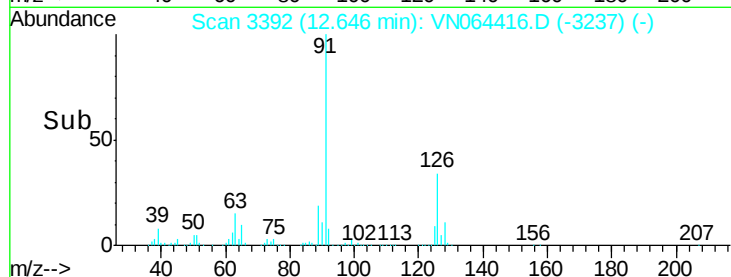
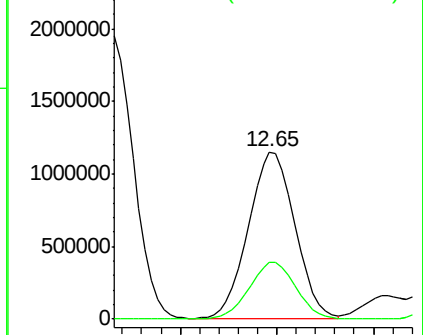
Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 151.130 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064416.D

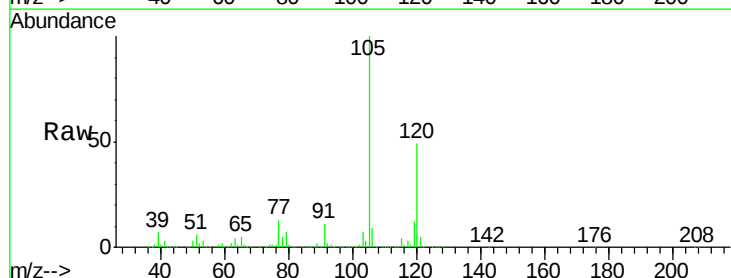
Acq: 2 Nov 2020 15:24

Tgt Ion:105 Resp: 2305726

Ion Ratio Lower Upper

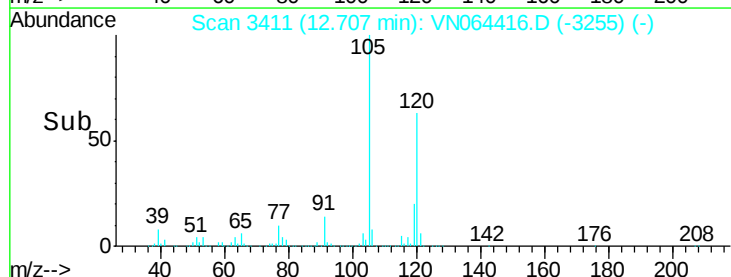
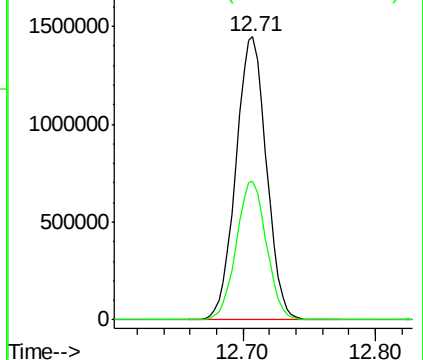
105 100

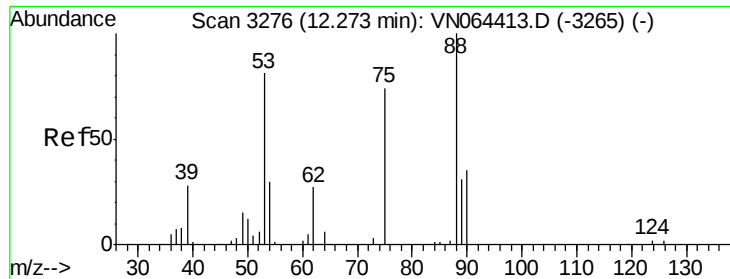
120 48.6 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





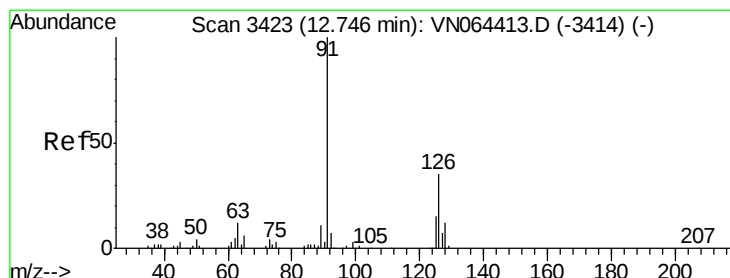
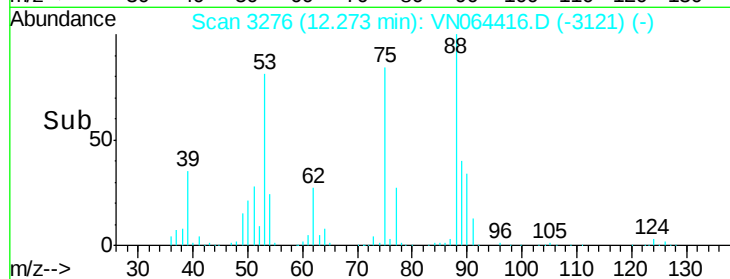
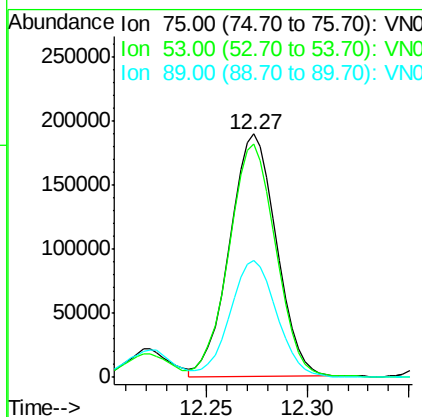
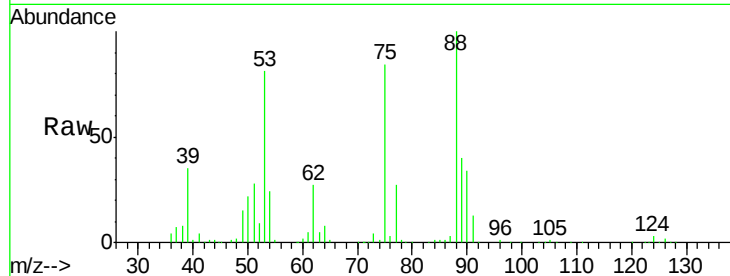
#77
t-1,4-Dichloro-2-butene
Concen: 153.894 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	54.1	162.4
89	48.0	23.1	69.3

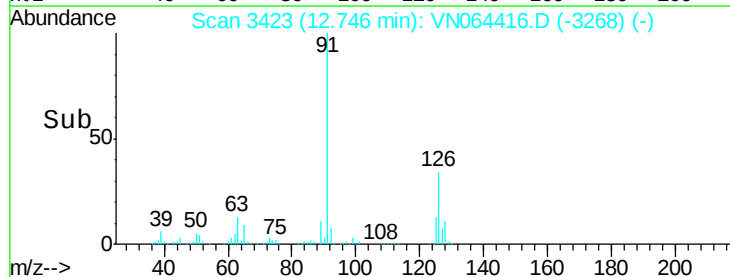
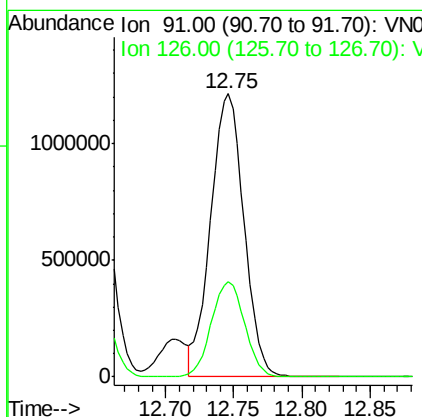
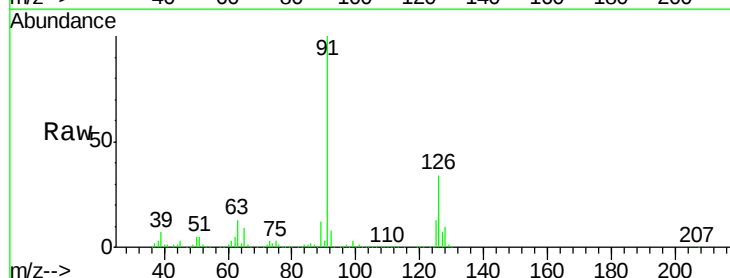
Manual Integrations
APPROVED

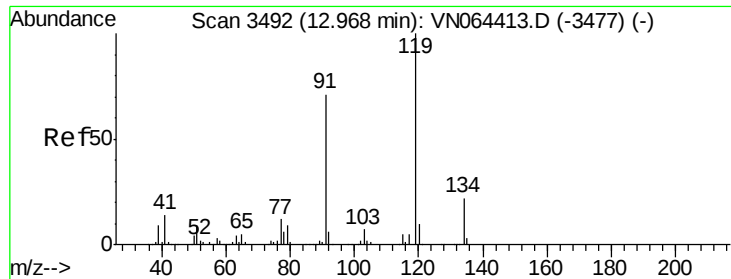
MMDadoda
11/3/2020 2:20:50 PM



#78
4-Chlorotoluene
Concen: 153.645 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	63.2





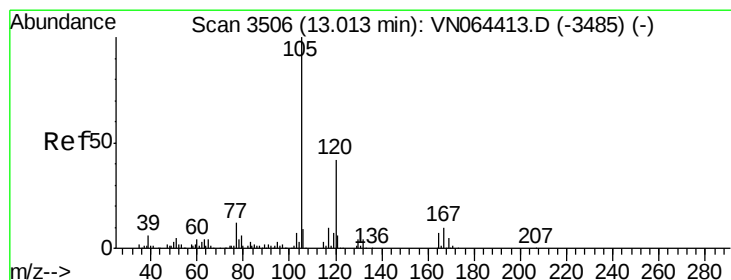
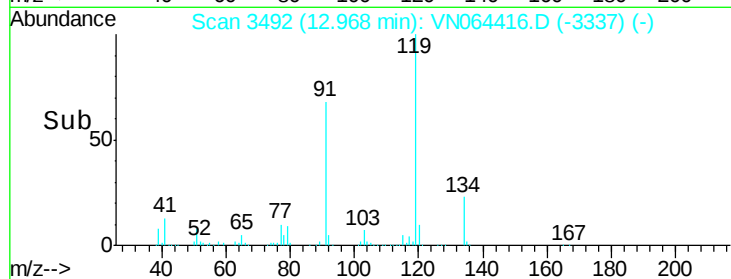
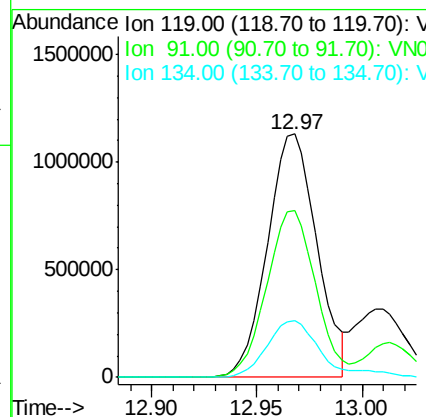
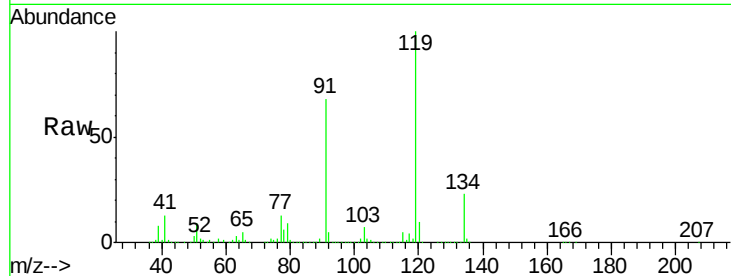
#79
tert-butylbenzene
Concen: 146.492 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	0.0	140.4
134	23.6	0.0	46.2

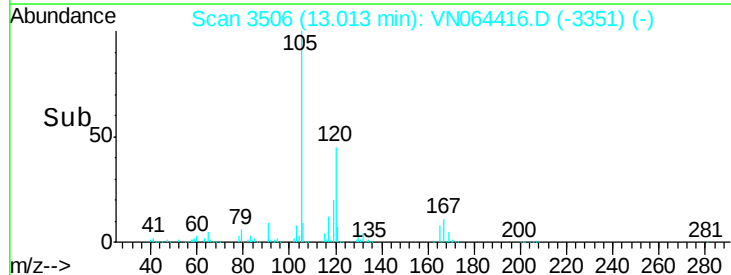
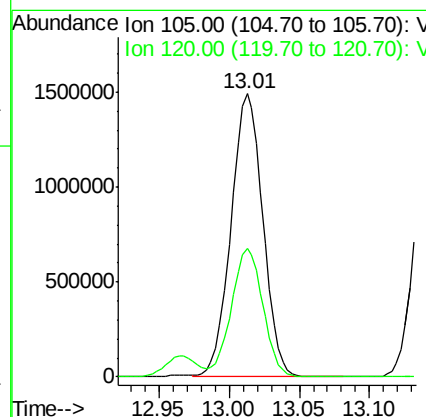
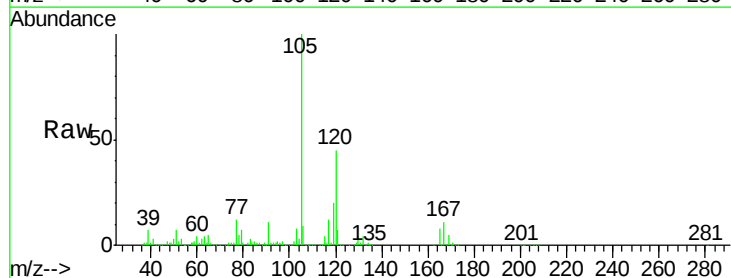
Manual Integrations
APPROVED

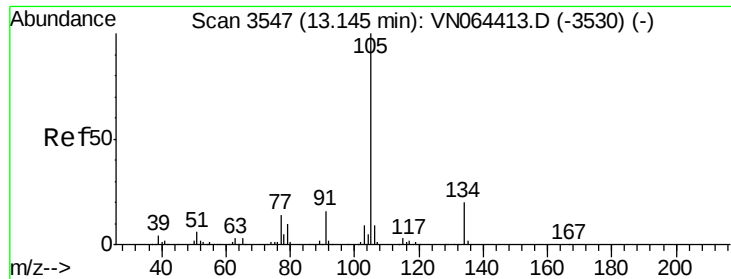
MMDadoda
11/3/2020 2:20:50 PM



#80
1,2,4-Trimethylbenzene
Concen: 152.769 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	0.0	88.0





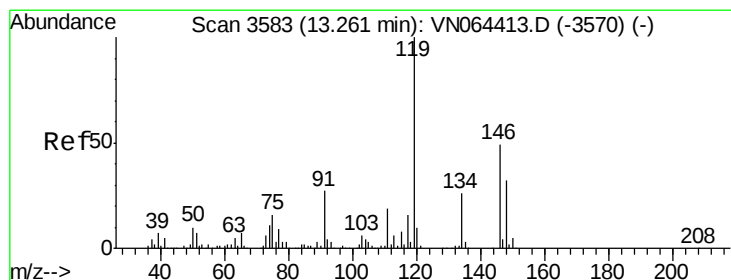
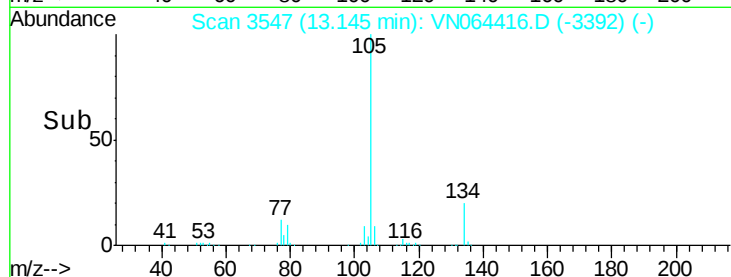
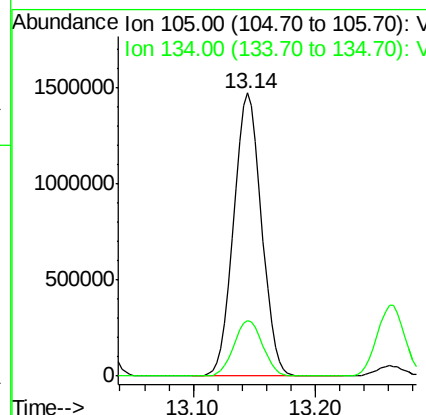
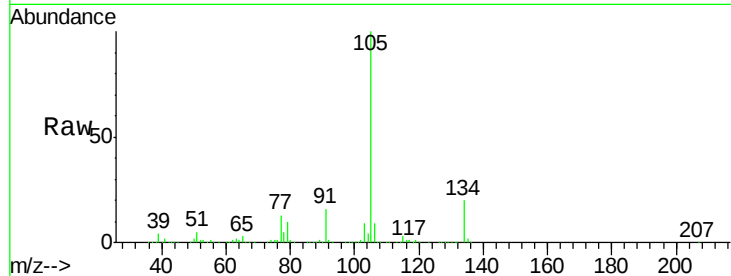
#81
 sec-Butylbenzene
 Concen: 144.138 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2340561
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.2

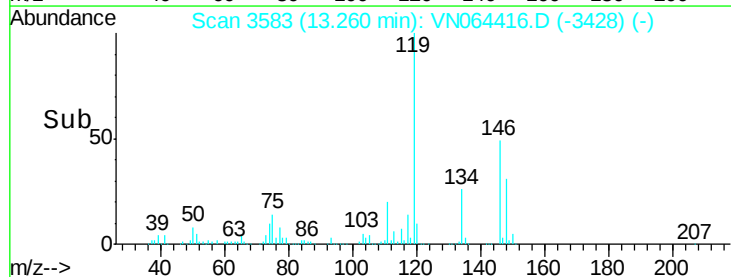
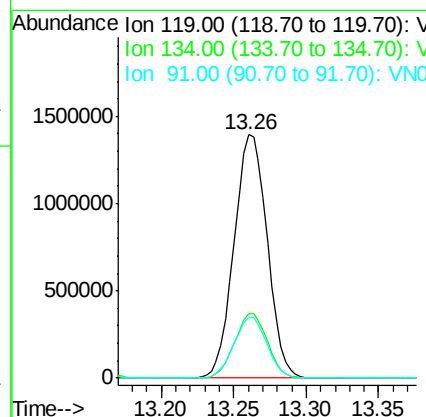
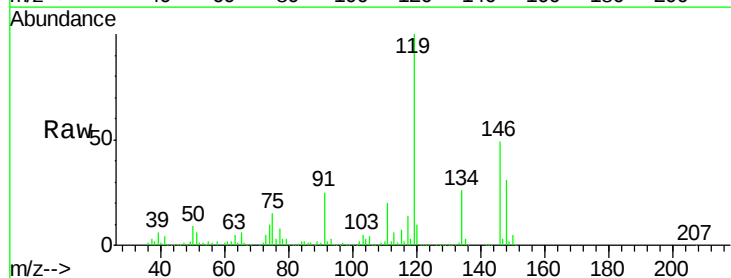
Manual Integrations
 APPROVED

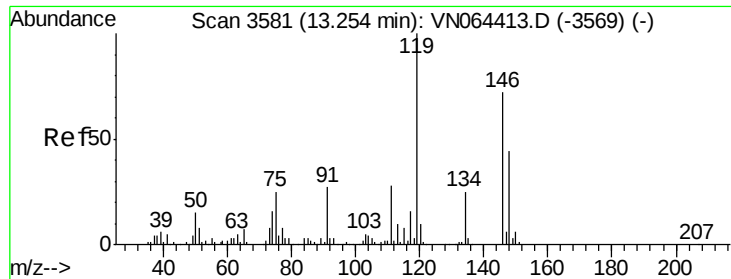
MMDadoda
 11/3/2020 2:20:50 PM



#82
 p-Isopropyltoluene
 Concen: 147.939 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion:119 Resp: 2201961
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 51.0
 91 24.9 0.0 51.4





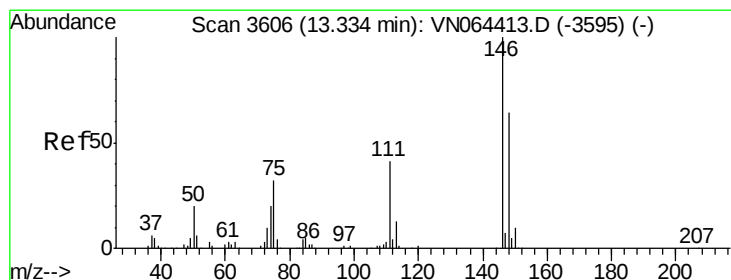
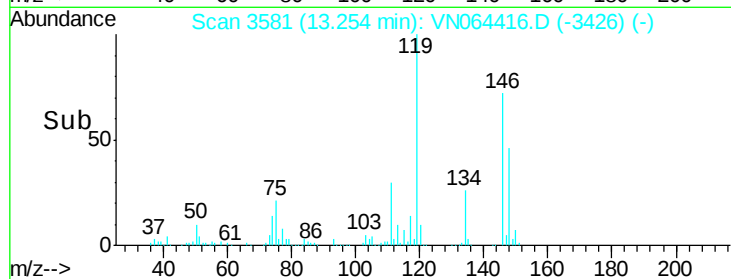
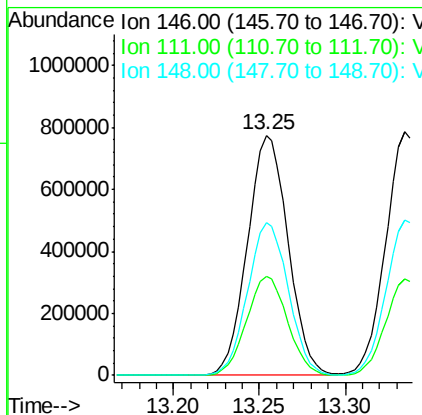
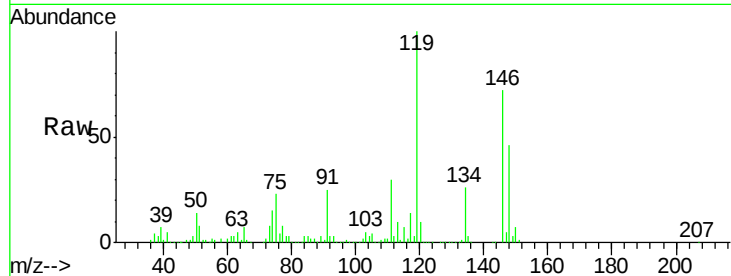
#83
 1,3-Dichlorobenzene
 Concen: 163.488 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1271806
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 63.6 31.9 95.5

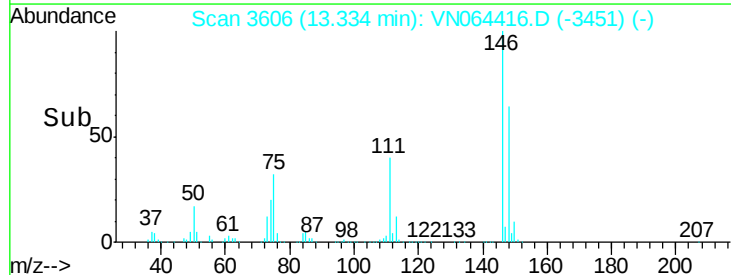
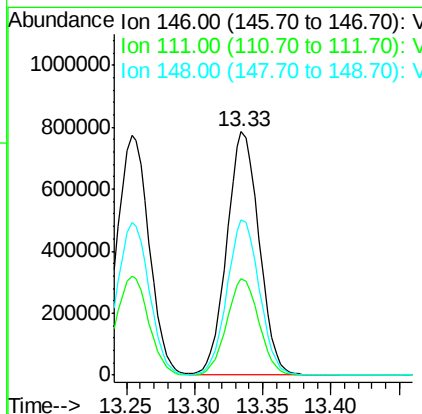
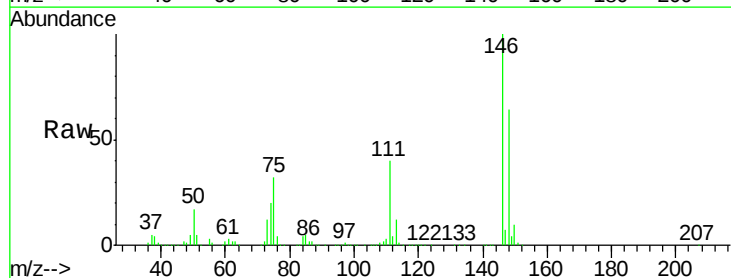
Manual Integrations
 APPROVED

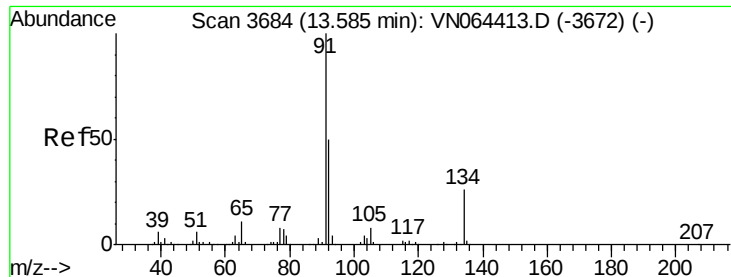
MMDadoda
 11/3/2020 2:20:50 PM



#84
 1,4-Dichlorobenzene
 Concen: 164.692 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion:146 Resp: 1289712
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.9 59.6
 148 64.0 31.9 95.5





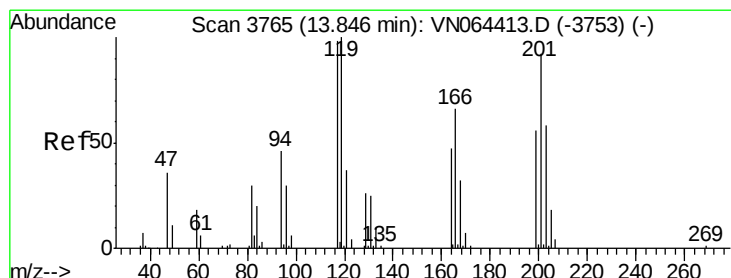
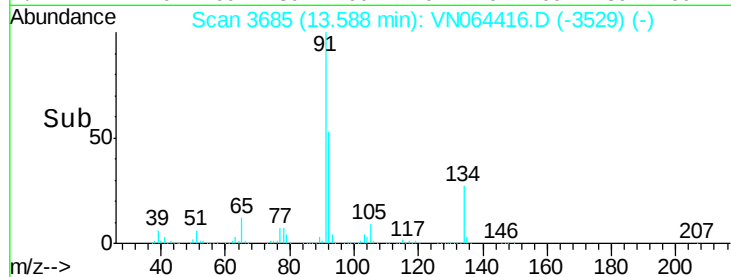
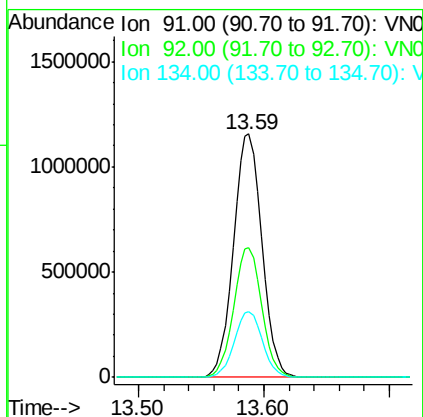
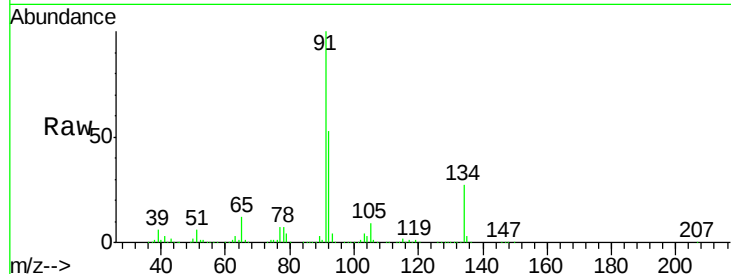
#85
n-Butylbenzene
Concen: 141.247 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	0.0	99.4
134	26.7	0.0	50.0

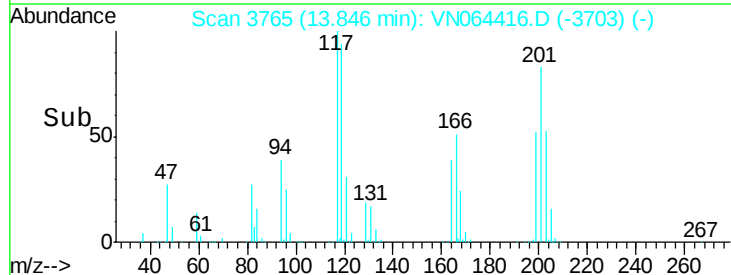
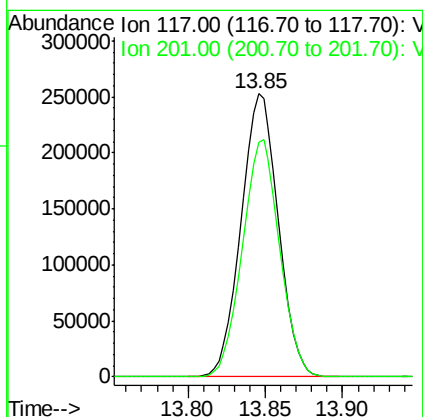
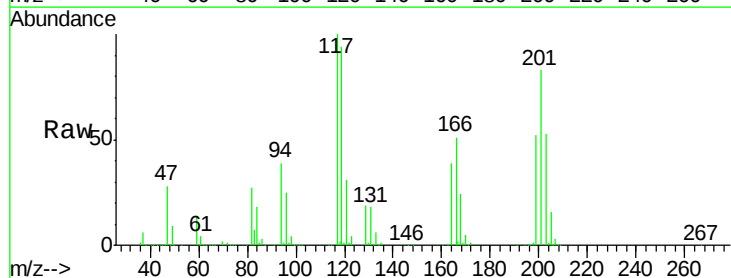
Manual Integrations
APPROVED

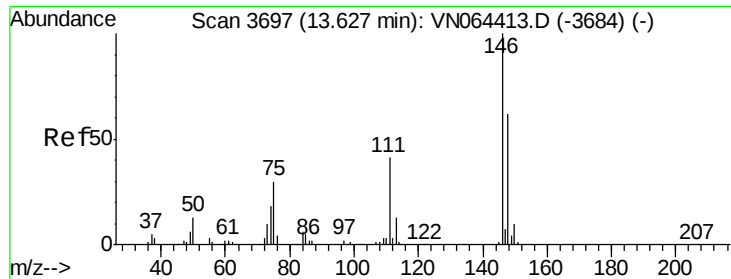
MMDadoda
11/3/2020 2:20:50 PM



#86
Hexachloroethane
Concen: 153.582 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	42.7	128.1





#87

1,2-Dichlorobenzene

Concen: 162.162 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1242970

Ion Ratio Lower Upper

146 100

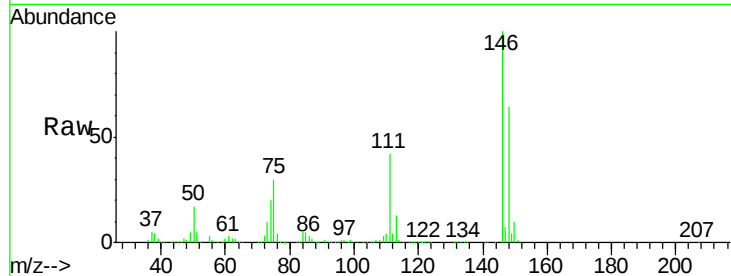
111 42.0 21.3 64.0

148 63.0 31.7 95.1

Manual Integrations
APPROVED

MMDadoda

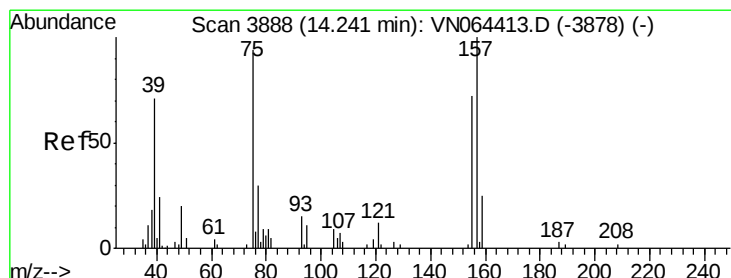
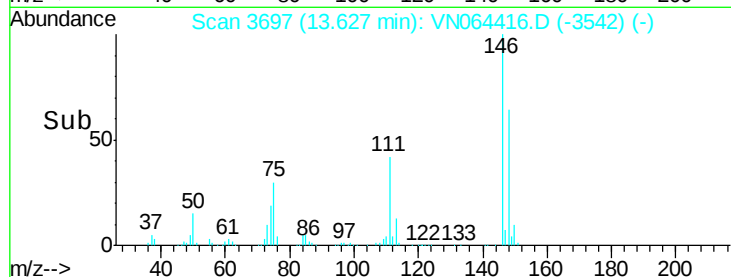
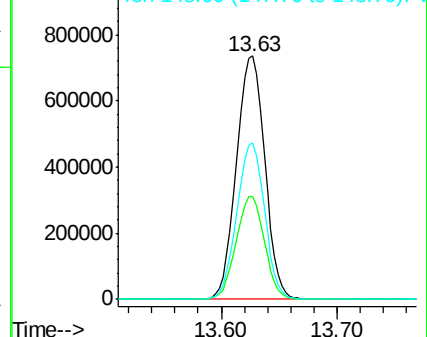
11/3/2020 2:20:50 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 141.487 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

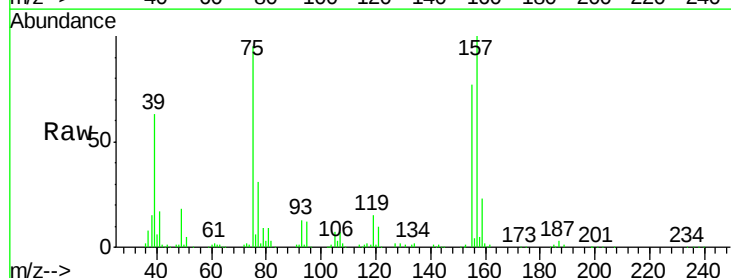
Tgt Ion: 75 Resp: 178066

Ion Ratio Lower Upper

75 100

155 82.1 66.2 99.2

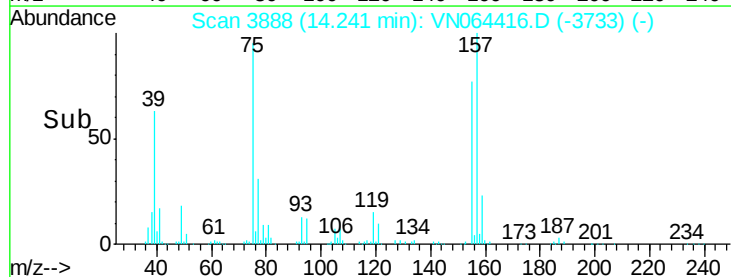
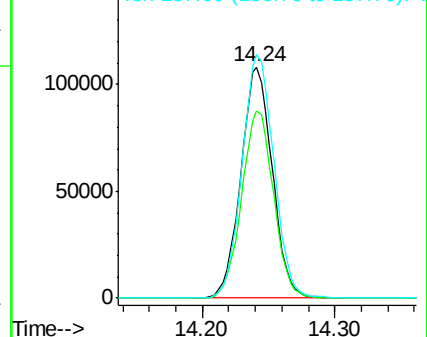
157 106.5 82.7 124.1

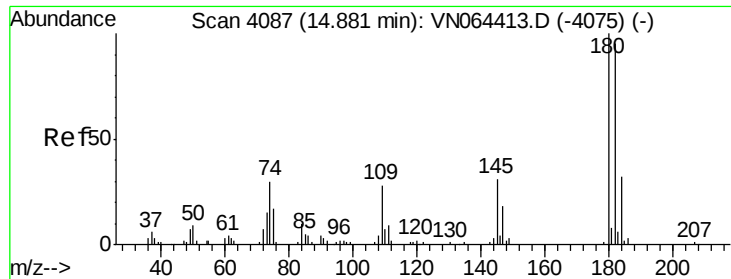


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





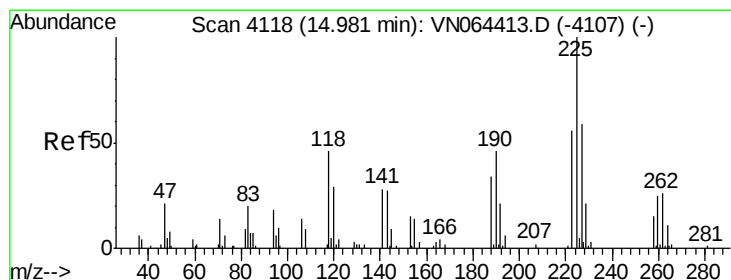
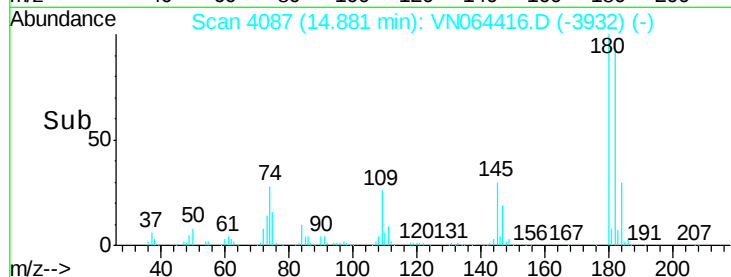
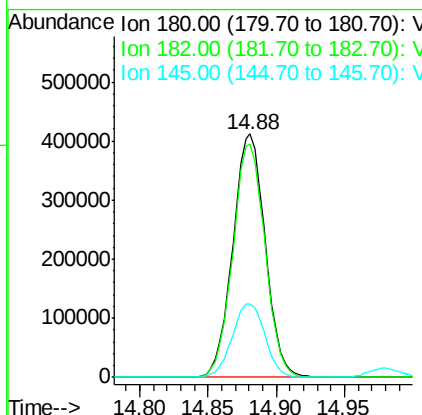
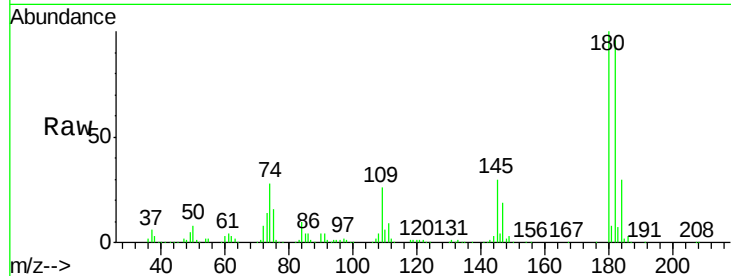
#89
 1,2,4-Trichlorobenzene
 Concen: 160.319 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	678612		
182	95.3	72.6	108.8	
145	30.7	24.3	36.5	

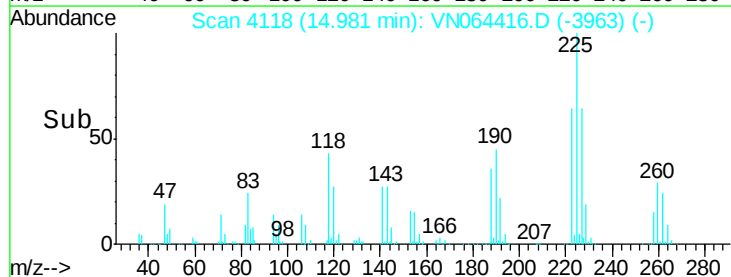
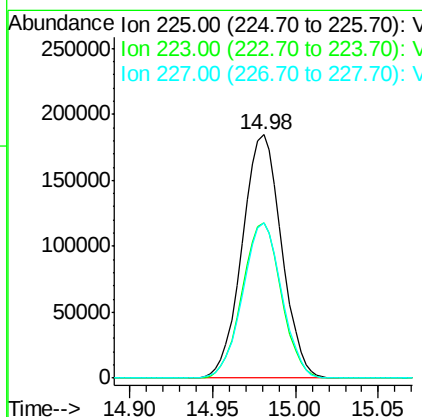
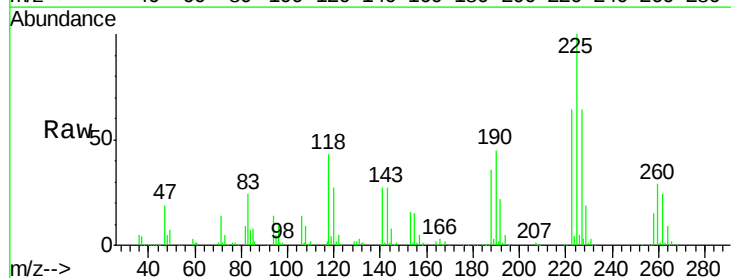
Manual Integrations
 APPROVED

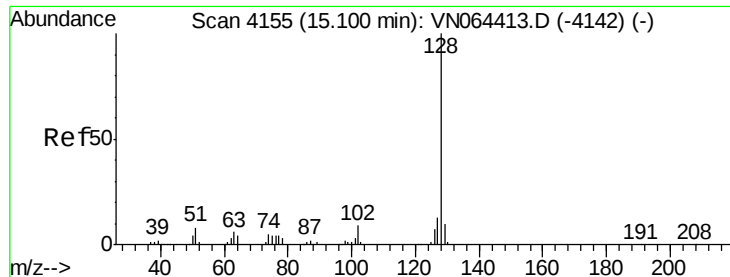
MMDadoda
 11/3/2020 2:20:50 PM



#90
 Hexachlorobutadiene
 Concen: 133.672 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305025		
223	63.3	0.0	125.6	
227	63.1	0.0	121.6	





#91

Naphthalene

Concen: 166.052 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2079108

Ion Ratio Lower Upper

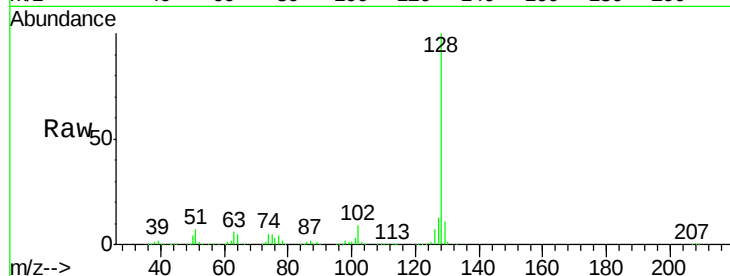
128 100

127 12.7 10.5 15.7

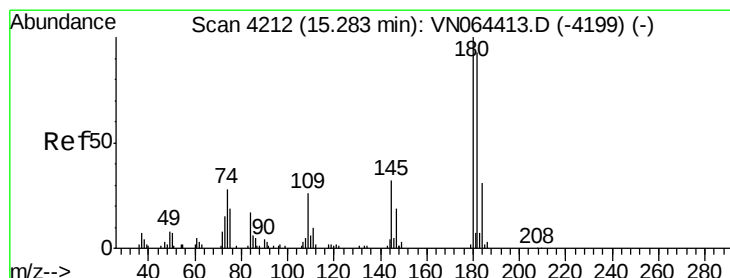
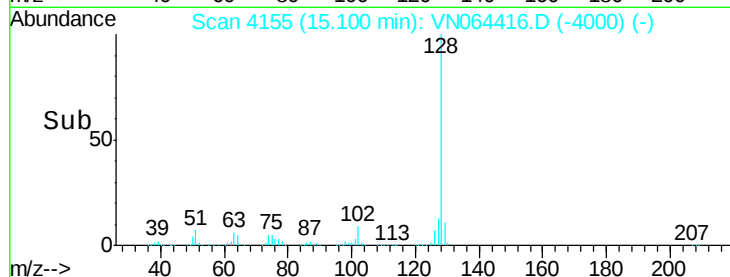
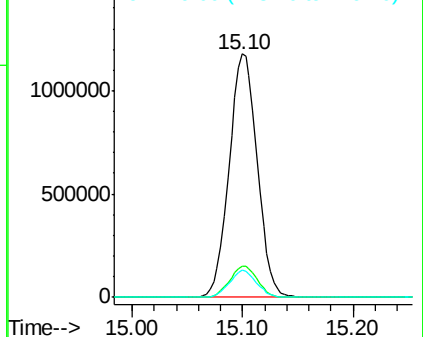
129 10.7 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 162.610 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

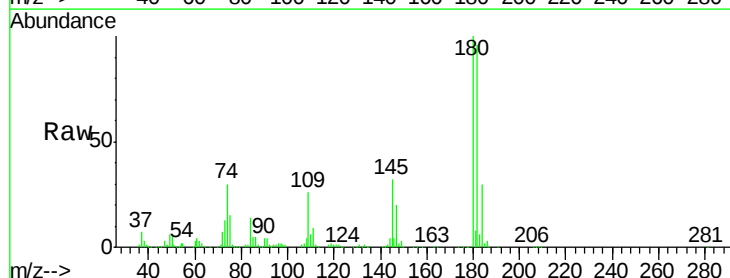
Tgt Ion:180 Resp: 659101

Ion Ratio Lower Upper

180 100

182 95.2 0.0 191.4

145 31.9 0.0 64.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

