

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064281.D
 Acq On : 23 Oct 2020 10:46
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:42 PM

Quant Time: Oct 23 12:06:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289162	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	264986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	134384	31.38	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.60%
60) 4-Bromofluorobenzene	12.38	95	136938	29.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.77%
63) Toluene-d8	10.06	98	357141	29.85	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	174254	51.700	ug/l 100
3) Chloromethane	2.04	50	179807	51.958	ug/l 95
4) Vinyl Chloride	2.16	62	181323	53.349	ug/l 98
5) Bromomethane	2.53	94	112615	53.822	ug/l 94
6) Chloroethane	2.67	64	103178	52.148	ug/l 96
7) Trichlorofluoromethane	2.98	101	301443	55.139	ug/l 98
8) Diethyl Ether	3.37	74	96563	52.193	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	149843	51.882	ug/l # 86
10) 1,1-Dichloroethene	3.70	96	143230	50.518	ug/l 94
11) Methyl Iodide	3.91	142	215171	53.116	ug/l 99
12) Methyl Acetate	4.28	43	165182	54.747	ug/l 98
13) Acrolein	3.57	56	63827	195.350	ug/l 99
14) Acrylonitrile	4.93	53	332458	274.288	ug/l 98
15) Acetone	3.78	58	105706	307.594	ug/l 100
16) Carbon Disulfide	4.01	76	414698	51.504	ug/l # 94
17) Allyl chloride	4.27	41	271501	51.933	ug/l 94
18) Methylene Chloride	4.50	84	163844	50.307	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	157697	51.521	ug/l 90
20) Diisopropyl ether	5.90	45	528268	54.095	ug/l 91
21) 1,1-Dichloroethane	5.80	63	317167	53.344	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	189103	52.971	ug/l # 87
23) tert-Butyl Alcohol	4.73	59	152105	268.776	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	496818	52.937	ug/l 97
25) Chloroform	7.33	83	336997	54.200	ug/l 94
26) Cyclohexane	7.61	56	241646	51.356	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	253190	54.550	ug/l 98
30) 2-Butanone	6.78	43	555483	282.631	ug/l 100
31) 2,2-Dichloropropane	6.78	77	318116	53.656	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	326404	54.904	ug/l 95
33) Carbon Tetrachloride	7.73	117	292556	54.326	ug/l 95
34) Benzene	8.00	78	687695	53.115	ug/l # 90
35) Methacrylonitrile	7.13	41	116134	55.550	ug/l 97
36) 1,2-Dichloroethane	8.09	62	290918	54.471	ug/l 98
37) Trichloroethene	8.80	130	185429	52.089	ug/l 94
38) Methylcyclohexane	9.05	83	225544	50.976	ug/l 97
39) 1,2-Dichloropropane	9.08	63	184270	53.011	ug/l 97
40) Dibromomethane	9.17	93	126608	52.019	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	277620	53.275	ug/l	93
42) Vinyl Acetate	5.84	43	2458088	268.960	ug/l	99
43) Ethyl Acetate	6.88	43	230568	55.215	ug/l	95
44) Isopropyl Acetate	8.13	43	424462	53.022	ug/l	98
45) 1,4-Dioxane	9.16	88	51236	1083.554	ug/l	87
46) Methyl methacrylate	9.16	41	212821	55.387	ug/l	94
47) n-amyl Acetate	12.04	43	377172	53.098	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	309507	52.535	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	322003	53.085	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	170340	52.839	ug/l #	95
51) Ethyl methacrylate	10.40	69	264136	52.480	ug/l	90
52) 1,3-Dichloropropane	10.68	76	300089	53.842	ug/l	99
53) Dibromochloromethane	10.87	129	213908	53.455	ug/l	93
54) 1,2-Dibromoethane	10.98	107	183538	53.793	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	655142	285.308	ug/l	99
56) Bromoform	12.10	173	149637	53.386	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1165890	266.716	ug/l	100
59) 2-Hexanone	10.72	43	867860	267.274	ug/l	99
61) Tetrachloroethene	10.60	164	184899	53.233	ug/l	96
62) Toluene	10.12	91	766611	52.358	ug/l	99
64) Chlorobenzene	11.41	112	474393	52.131	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	190502	53.113	ug/l	99
66) Ethyl Benzene	11.48	91	884472	52.704	ug/l	99
67) m/p-Xylenes	11.59	106	651396	104.192	ug/l	99
68) o-Xylene	11.92	106	315852	52.084	ug/l	95
69) Styrene	11.94	104	528466	51.677	ug/l	99
70) Isopropylbenzene	12.22	105	839290	52.509	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	227332	51.779	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	243319m	52.605	ug/l	
73) Bromobenzene	12.50	156	204804	53.338	ug/l	98
74) n-propylbenzene	12.57	91	969553	52.967	ug/l	98
75) 2-Chlorotoluene	12.65	91	596563	52.800	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	708223	51.984	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	92155	51.277	ug/l	93
78) 4-Chlorotoluene	12.75	91	629343	53.041	ug/l	99
79) tert-butylbenzene	12.97	119	583302	52.306	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	728682	52.955	ug/l	100
81) sec-Butylbenzene	13.14	105	756307	52.509	ug/l	98
82) p-Isopropyltoluene	13.26	119	697593	52.194	ug/l	97
83) 1,3-Dichlorobenzene	13.25	146	360301	51.970	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	366026	53.063	ug/l	99
85) n-Butylbenzene	13.59	91	608628	51.453	ug/l	97
86) Hexachloroethane	13.85	117	115450	50.468	ug/l	93
87) 1,2-Dichlorobenzene	13.62	146	355341	52.539	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	56061	49.904	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	207493	52.024	ug/l	95
90) Hexachlorobutadiene	14.98	225	107923	52.279	ug/l	97
91) Naphthalene	15.10	128	613332	50.650	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	197735	51.690	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC050

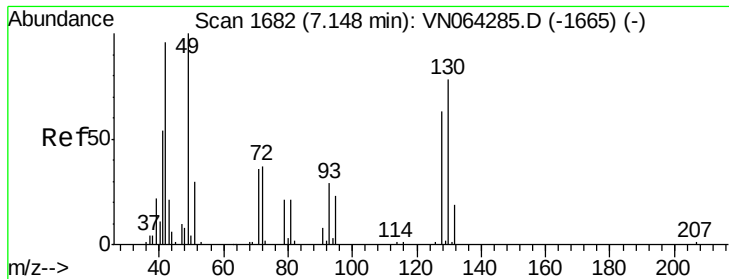
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

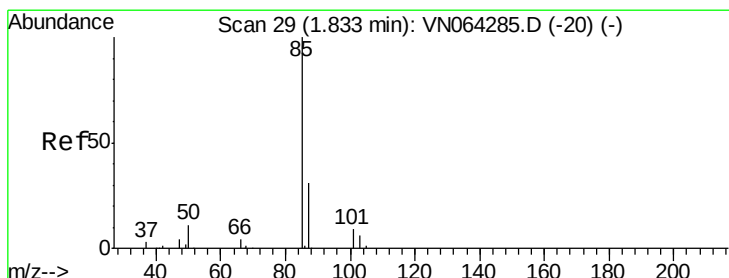
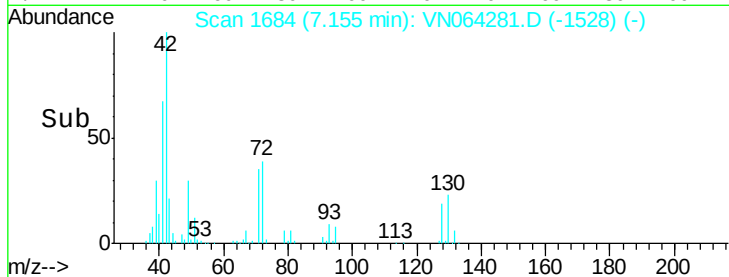
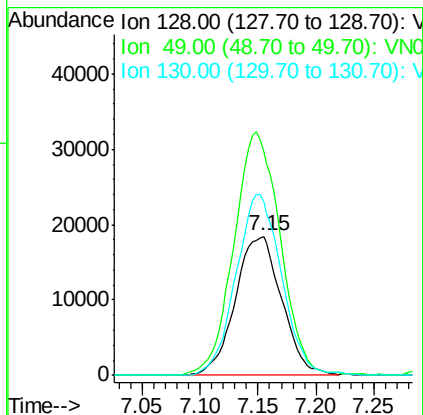
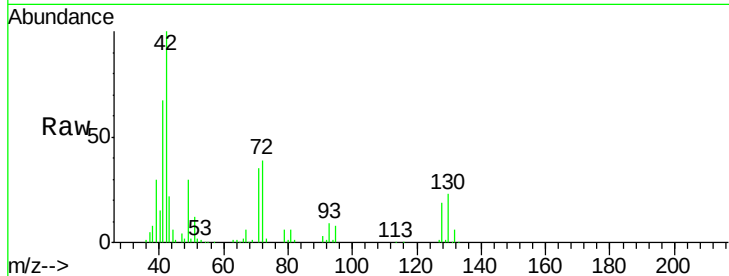
ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 51374
 Ion Ratio Lower Upper
 128 100
 49 174.3 0.0 445.0
 130 127.7 0.0 320.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 51.700 ug/l

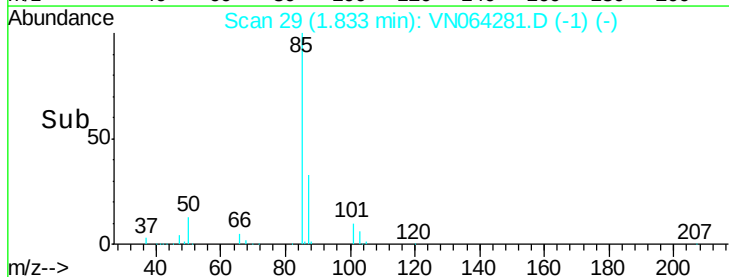
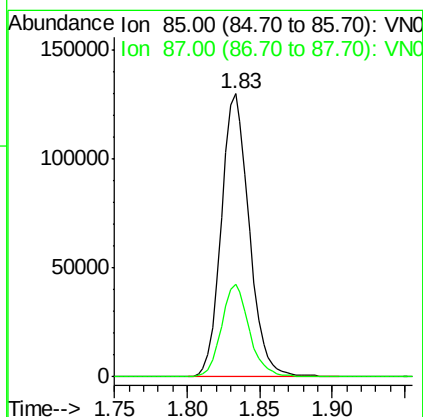
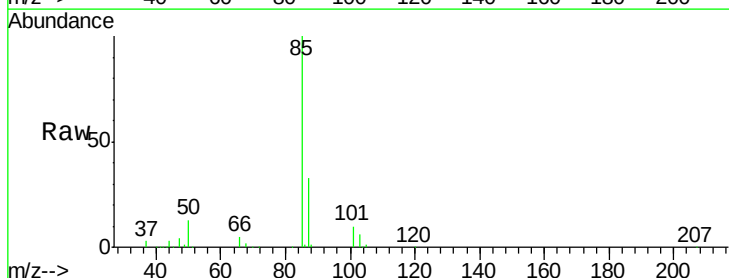
RT: 1.83 min Scan# 29

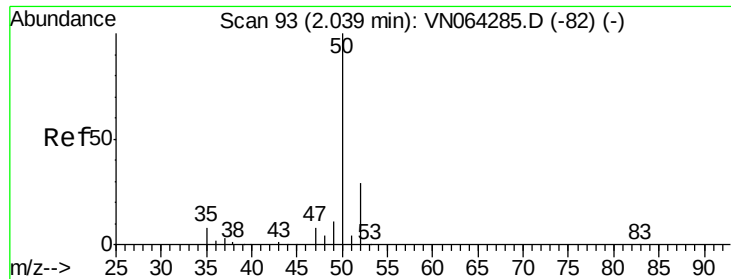
Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion: 85 Resp: 174254
 Ion Ratio Lower Upper
 85 100
 87 32.9 16.4 49.2





#3

Chloromethane

Concen: 51.958 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 179807

Ion Ratio Lower Upper

50 100

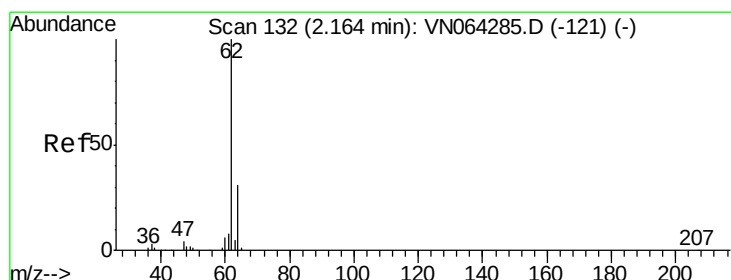
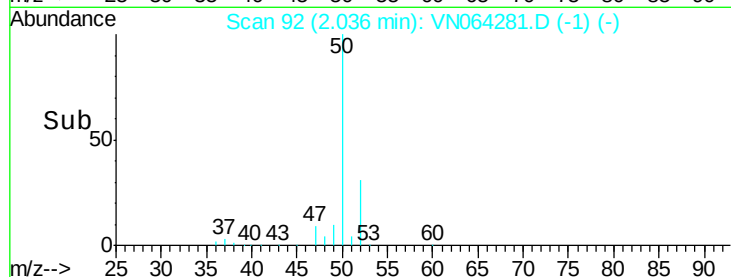
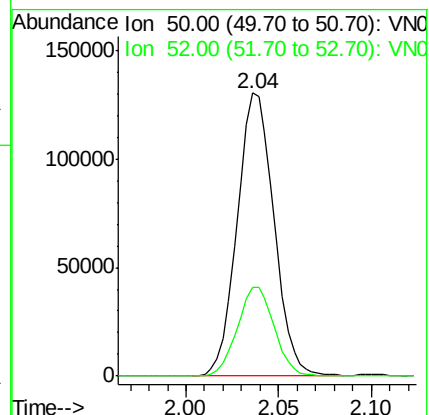
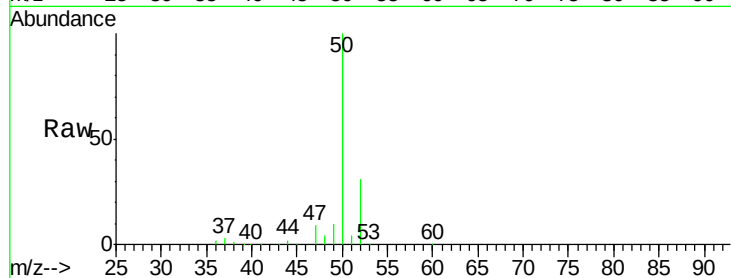
52 31.3 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.349 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064281.D

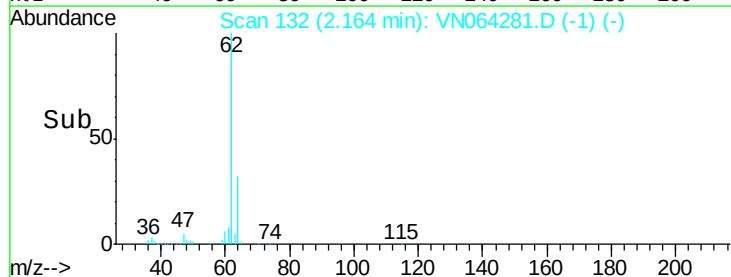
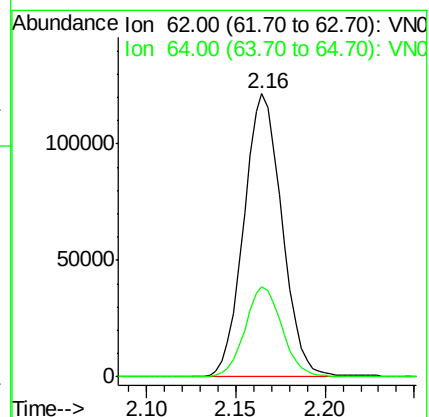
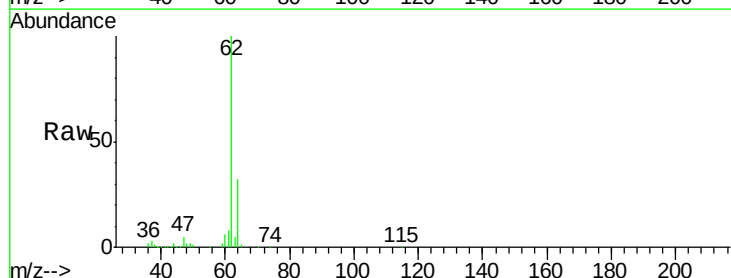
Acq: 23 Oct 2020 10:46

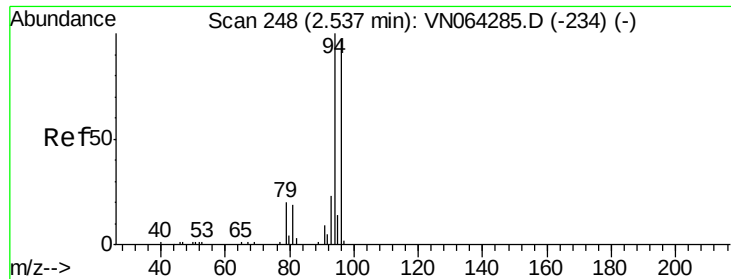
Tgt Ion: 62 Resp: 181323

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8





#5

Bromomethane

Concen: 53.822 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 112615

Ion Ratio Lower Upper

94 100

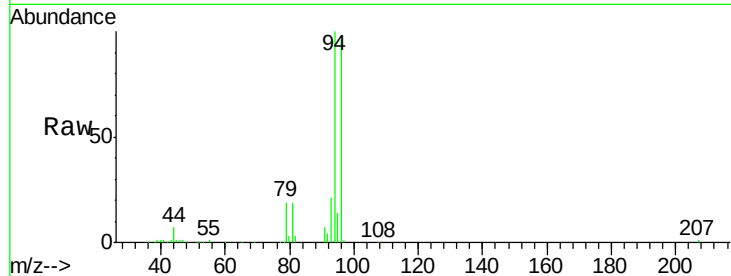
96 96.2 72.4 108.6

Manual Integrations

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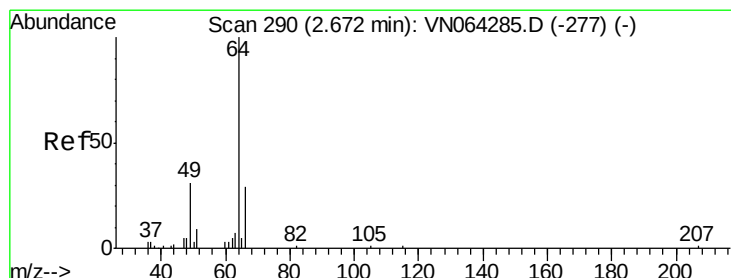
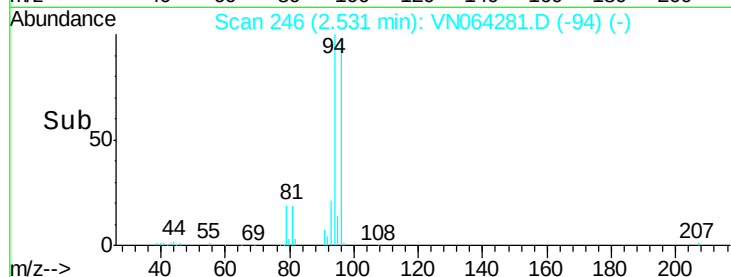
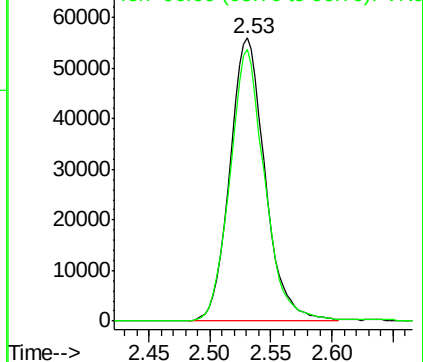
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 52.148 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064281.D

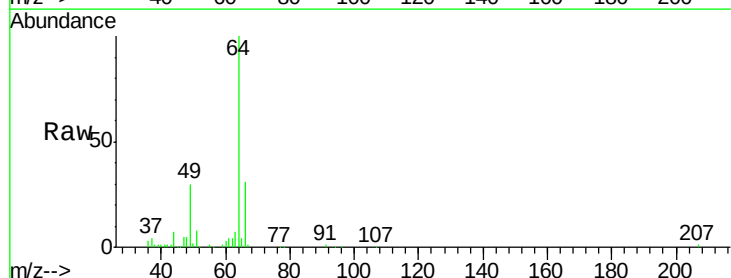
Acq: 23 Oct 2020 10:46

Tgt Ion: 64 Resp: 103178

Ion Ratio Lower Upper

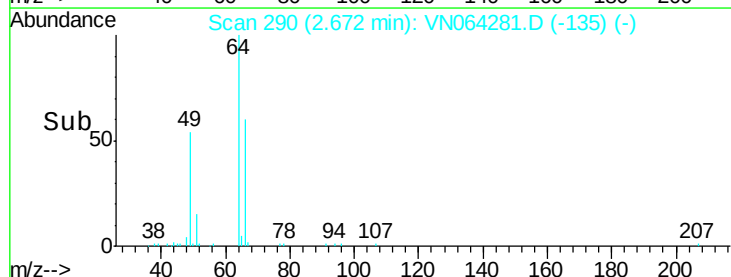
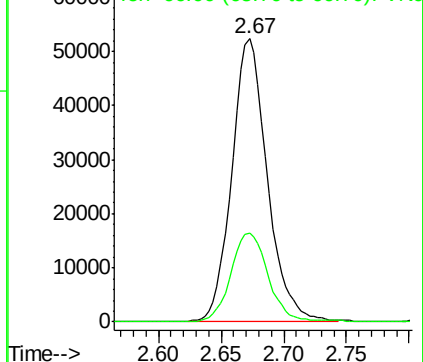
64 100

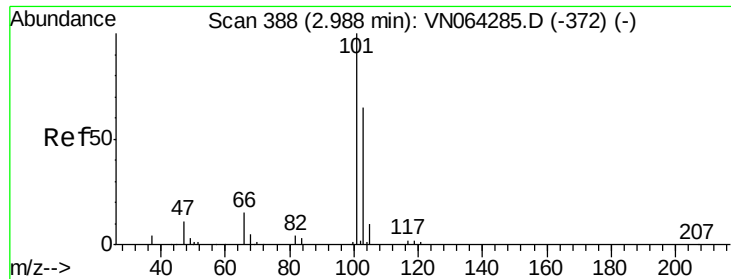
66 31.3 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

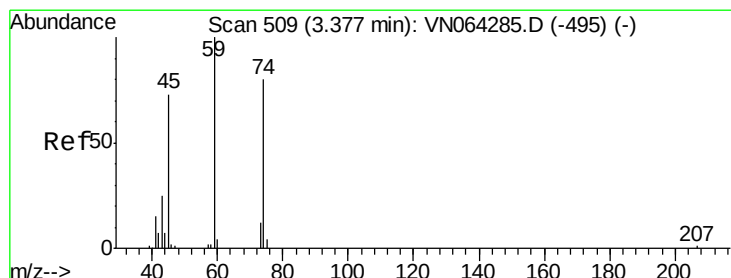
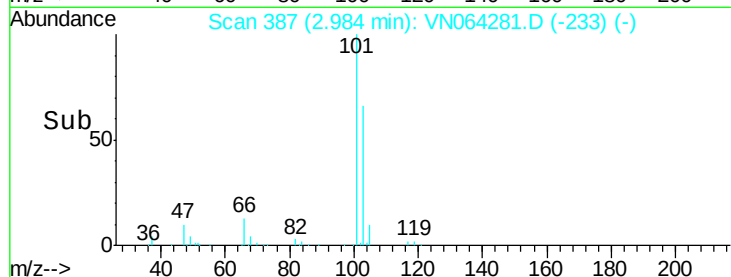
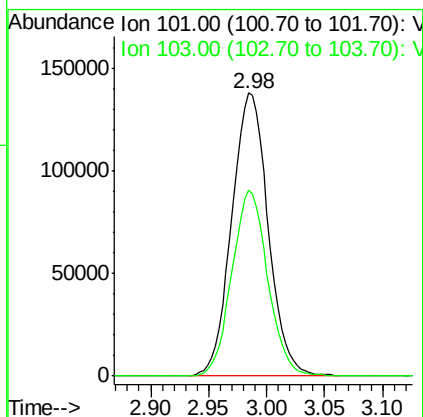
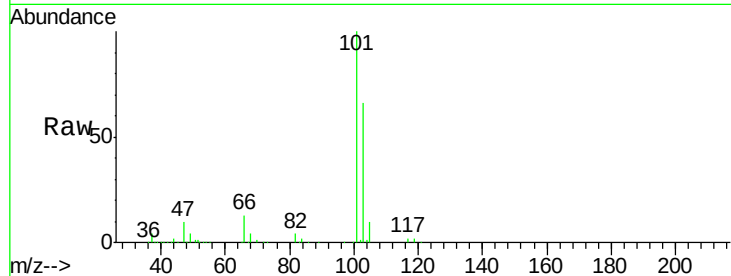
Trichlorofluoromethane
 Concen: 55.139 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.0

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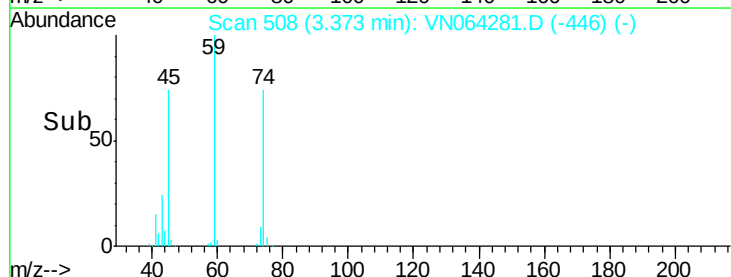
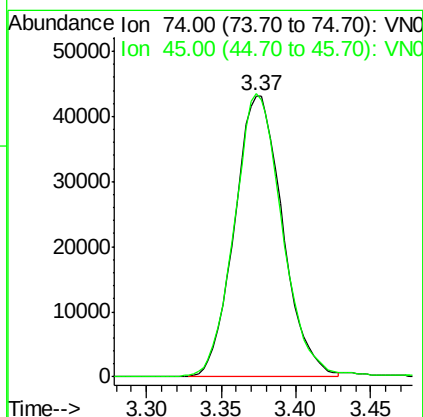
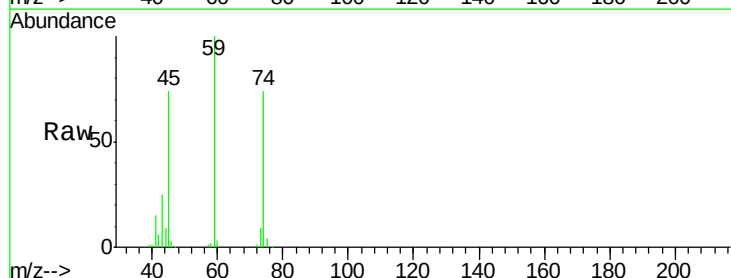
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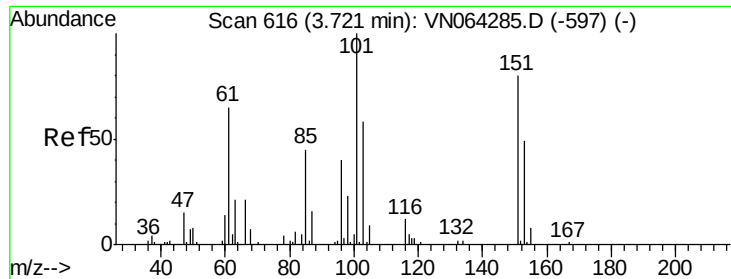


#8

Diethyl Ether
 Concen: 52.193 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	21.3	191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.882 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 101 Resp: 149843

Ion Ratio Lower Upper

101 100

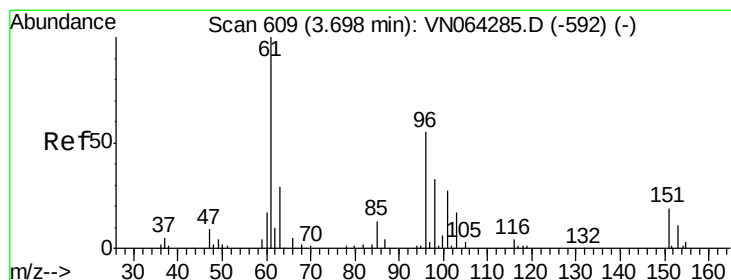
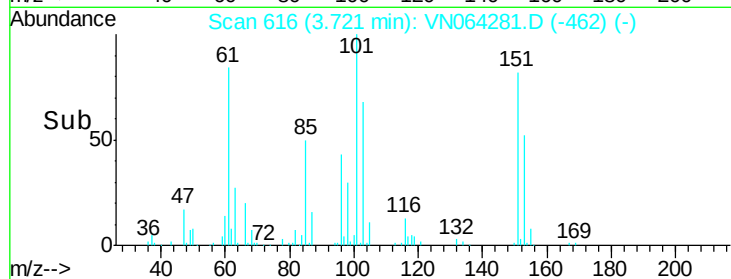
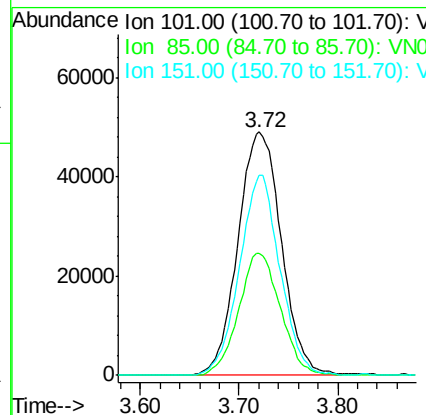
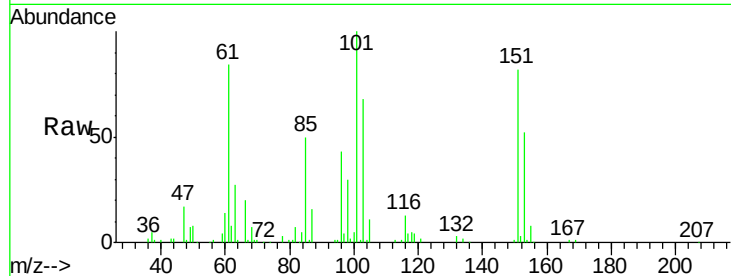
85 48.2 0.0 47.4#

151 76.6 0.0 148.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 50.518 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

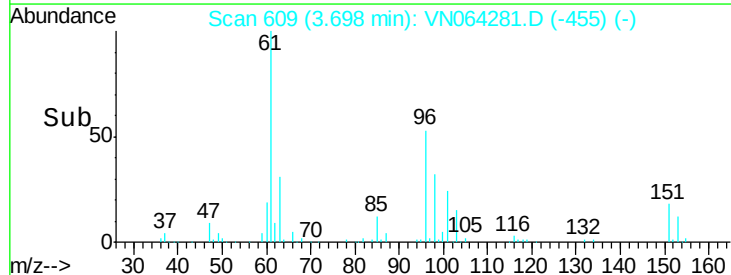
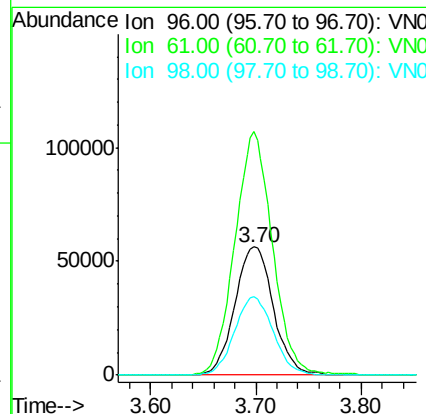
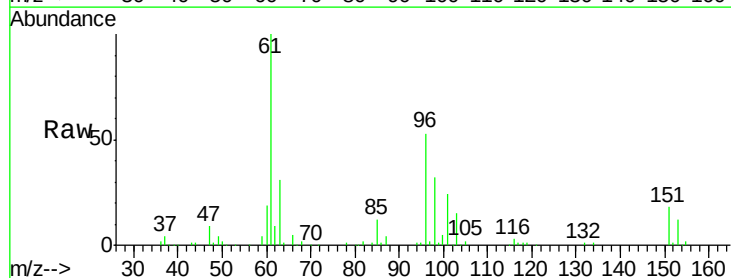
Tgt Ion: 96 Resp: 143230

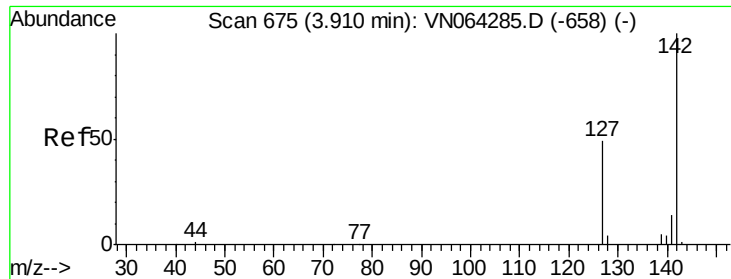
Ion Ratio Lower Upper

96 100

61 189.5 144.2 216.4

98 61.1 47.4 71.0





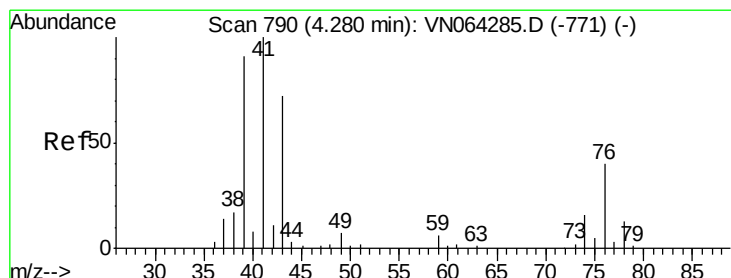
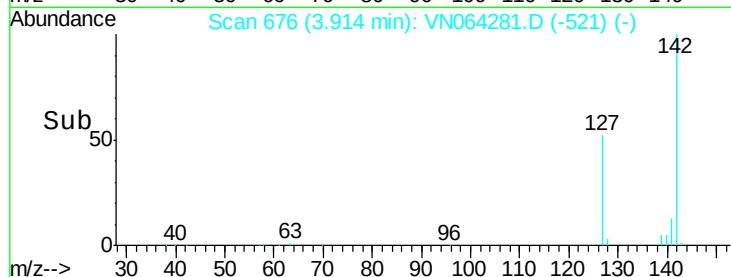
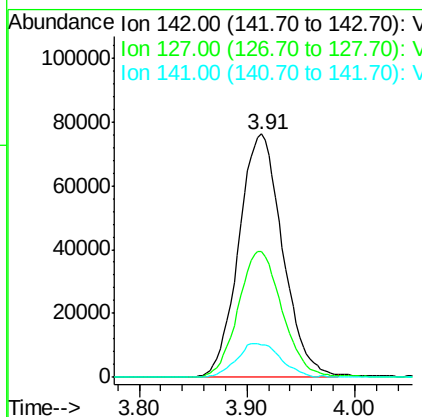
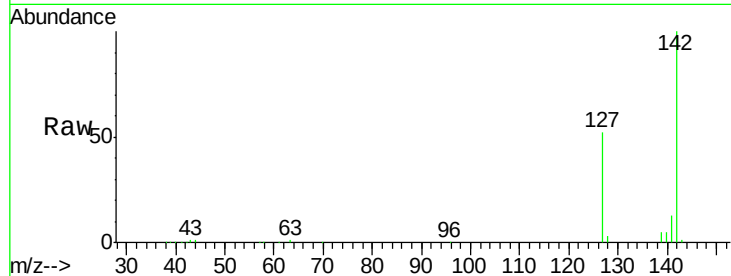
#11
Methvl Iodide
Concen: 53.116 ug/l
RT: 3.91 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.5	25.9	77.8
141	13.5	7.5	22.6

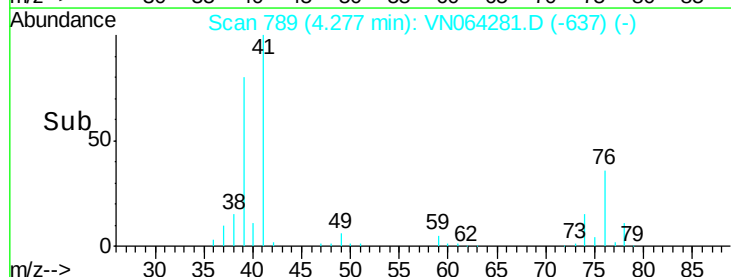
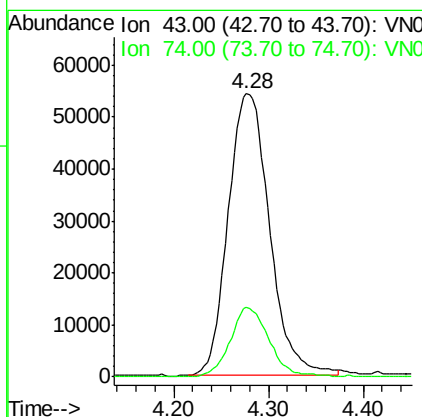
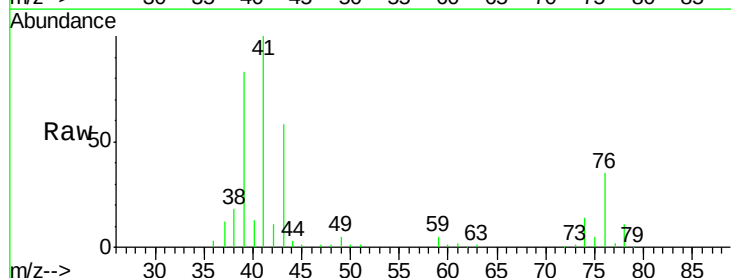
Manual Integrations
APPROVED

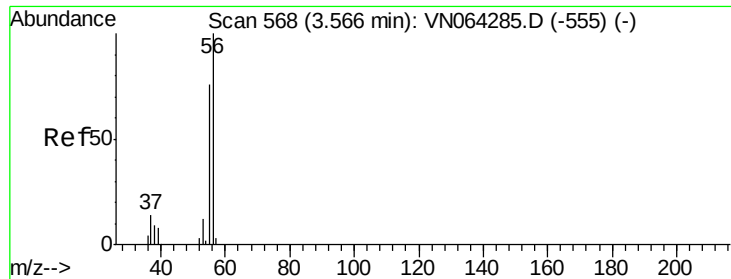
MMDadoda
10/26/2020 1:38:42 PM



#12
Methyl Acetate
Concen: 54.747 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.0	28.6





#13

Acrolein

Concen: 195.350 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 63827

Ion Ratio Lower Upper

56 100

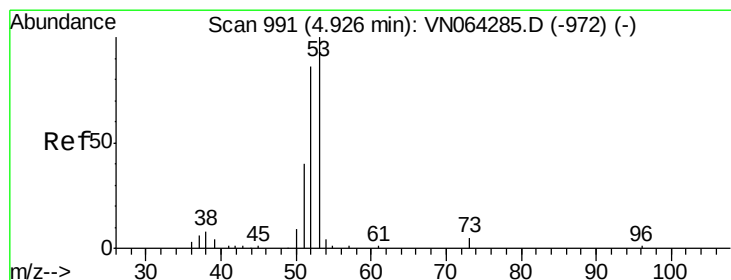
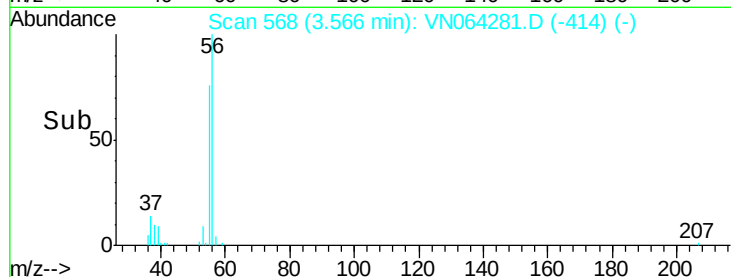
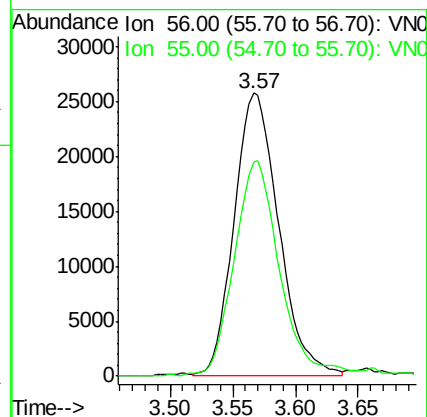
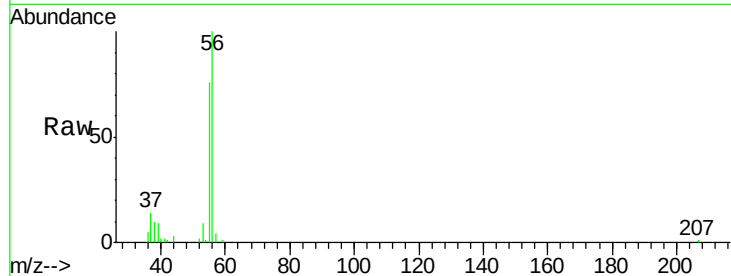
55 75.7 61.0 91.6

Manual Integrations

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#14

Acrylonitrile

Concen: 274.288 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

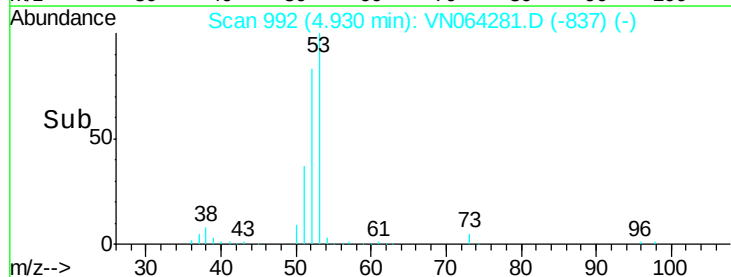
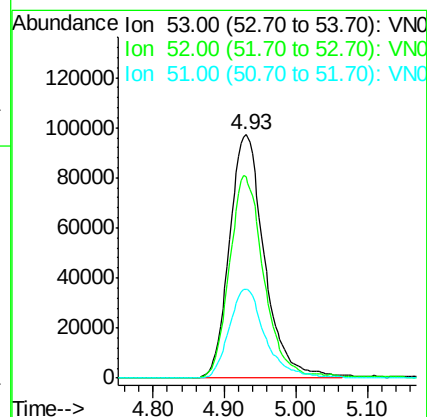
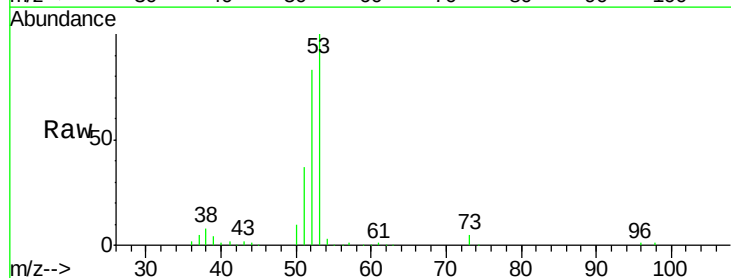
Tgt Ion: 53 Resp: 332458

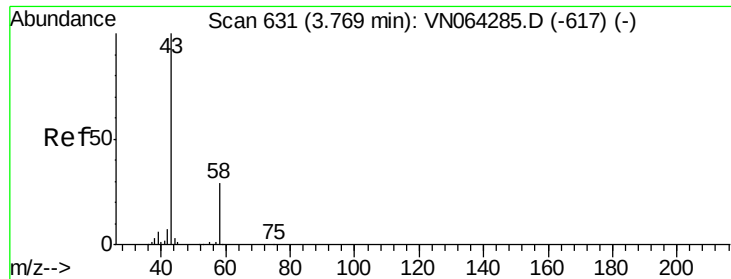
Ion Ratio Lower Upper

53 100

52 81.1 41.7 125.1

51 37.5 18.9 56.7





#15

Acetone

Concen: 307.594 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 105706

Ion Ratio Lower Upper

58 100

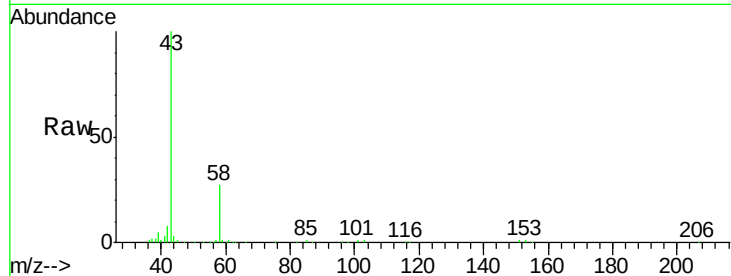
43 372.3 297.4 446.0

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

150000

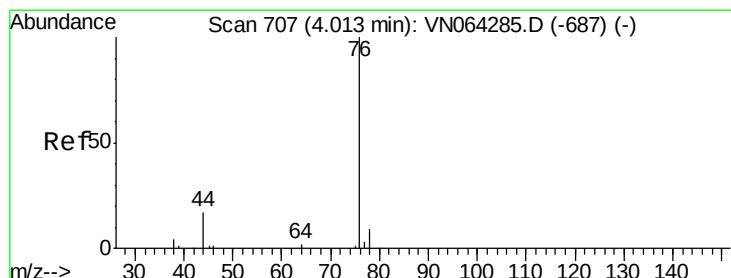
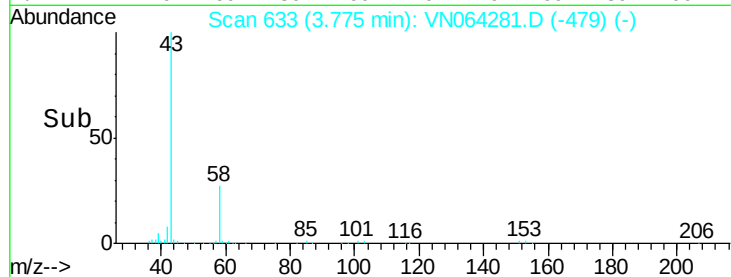
100000

50000

0

3.70 3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 51.504 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064281.D

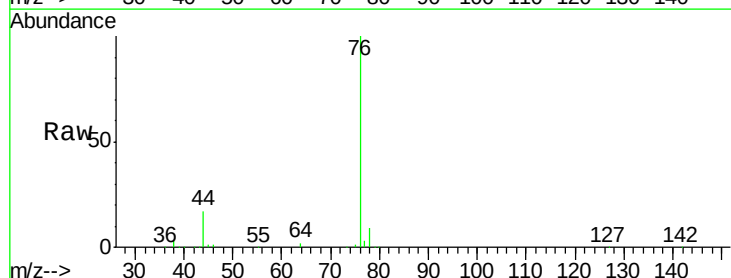
Acq: 23 Oct 2020 10:46

Tgt Ion: 76 Resp: 414698

Ion Ratio Lower Upper

76 100

78 8.9 9.0 13.4#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

150000

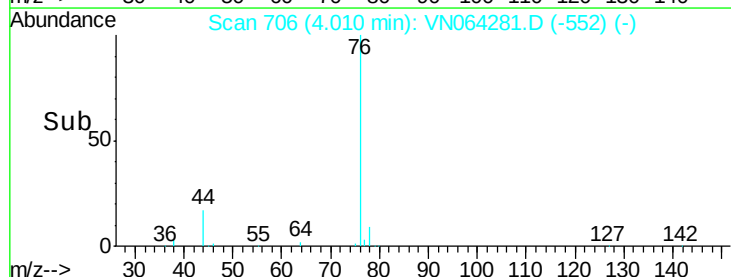
100000

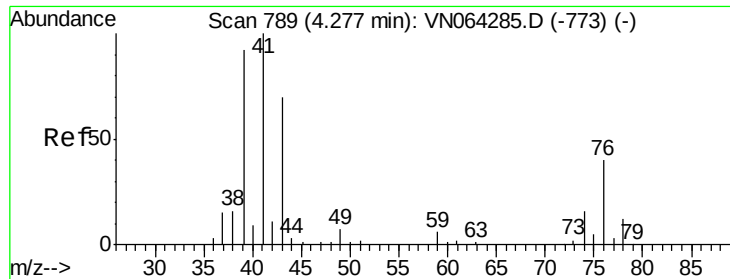
50000

0

3.90 4.00 4.10 4.20

Time-->





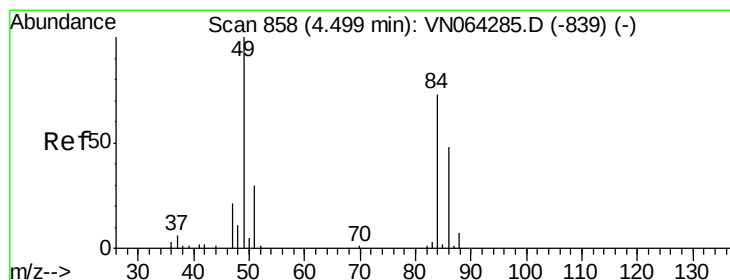
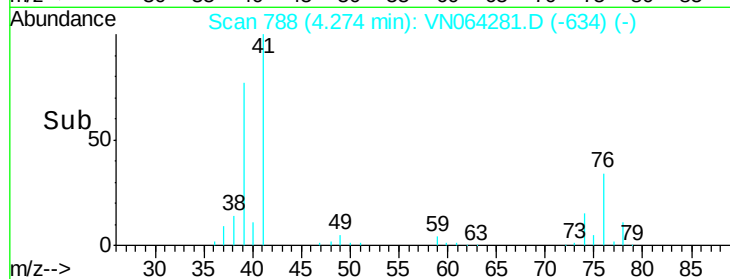
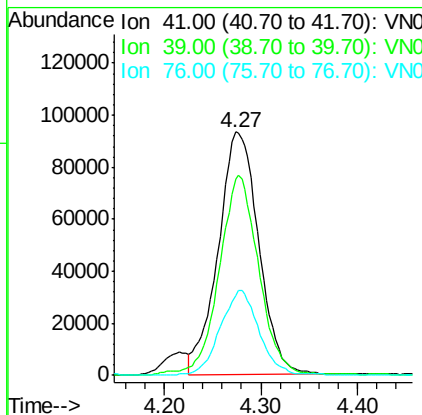
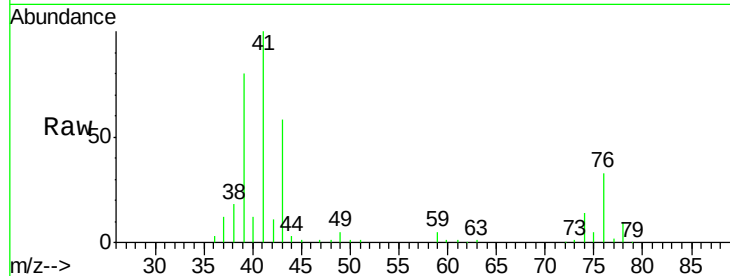
#17
Allvl chloride
Concen: 51.933 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.1	39.9	119.6
76	32.6	21.4	64.2

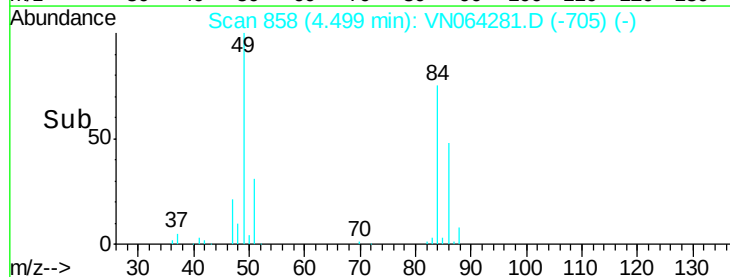
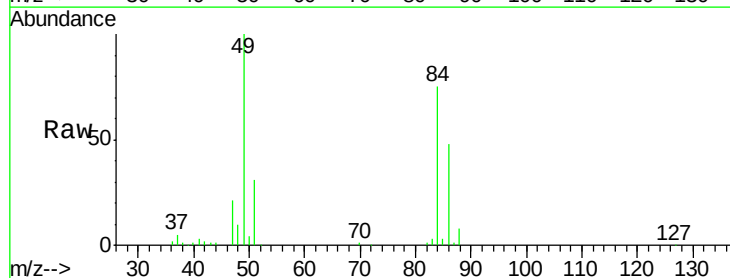
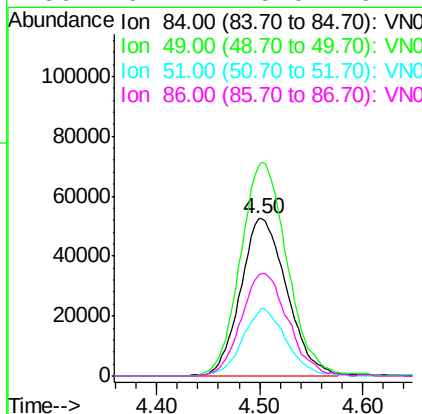
Manual Integrations
APPROVED

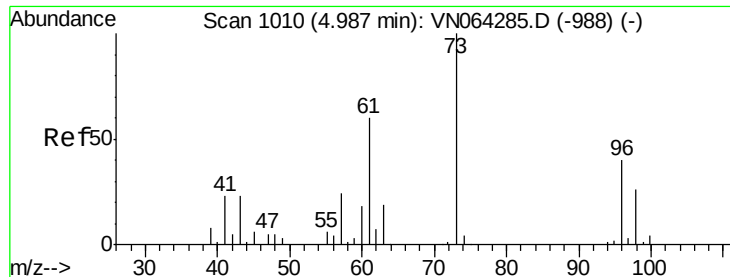
MMDadoda
10/26/2020 1:38:42 PM



#18
Methylene Chloride
Concen: 50.307 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	101.1	151.7
51	40.9	33.4	50.0
86	64.1	45.0	67.4





#19

trans-1,2-Dichloroethene

Concen: 51.521 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 96 Resp: 157697

Ion Ratio Lower Upper

96 100

61 159.0 114.2 171.2

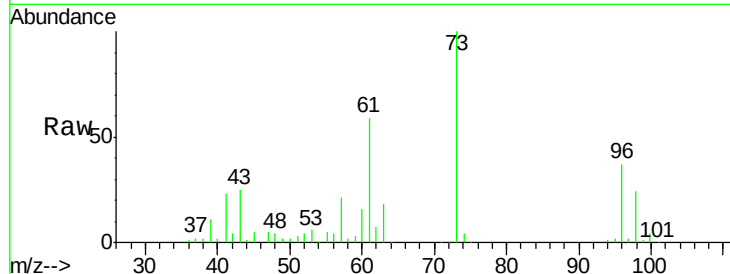
98 64.5 52.8 79.2

Manual Integrations

APPROVED

MMDadoda

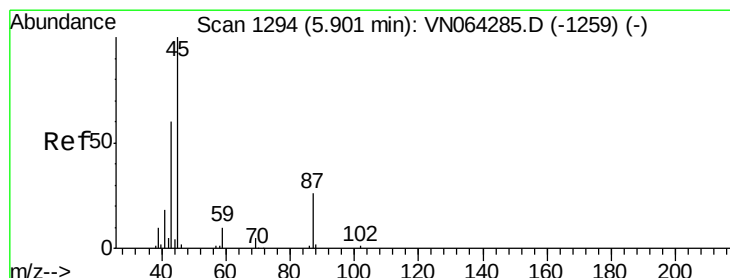
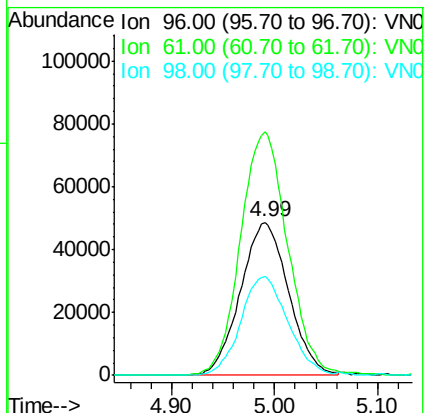
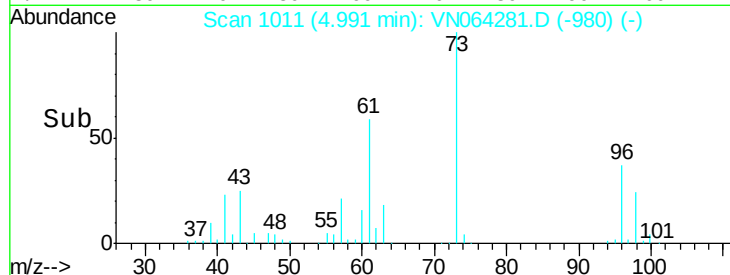
10/26/2020 1:38:42 PM



Abundance Ion 96.00 (95.70 to 96.70): VN064281.D (-988) (-)

Ion 61.00 (60.70 to 61.70): VN064281.D (-988) (-)

Ion 98.00 (97.70 to 98.70): VN064281.D (-988) (-)



#20

Diisopropyl ether

Concen: 54.095 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion: 45 Resp: 528268

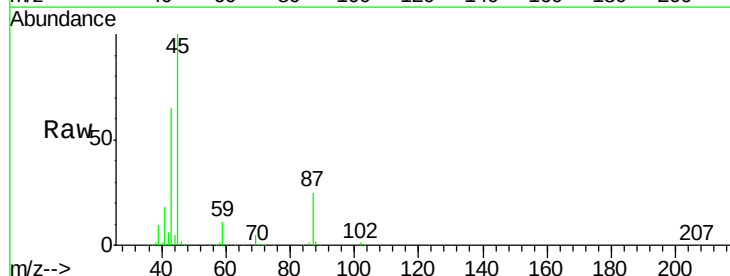
Ion Ratio Lower Upper

45 100

43 63.0 58.9 88.3

87 25.0 21.0 31.4

59 10.6 9.1 13.7

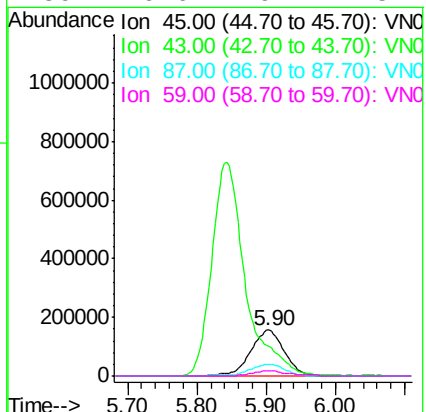
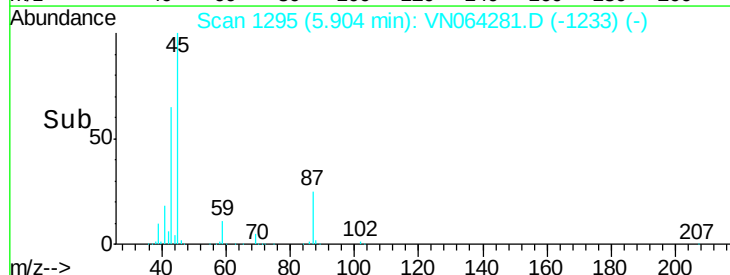


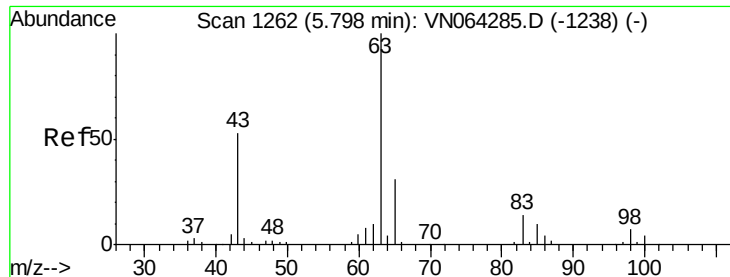
Abundance Ion 45.00 (44.70 to 45.70): VN064281.D (-1259) (-)

Ion 43.00 (42.70 to 43.70): VN064281.D (-1259) (-)

Ion 87.00 (86.70 to 87.70): VN064281.D (-1259) (-)

Ion 59.00 (58.70 to 59.70): VN064281.D (-1259) (-)





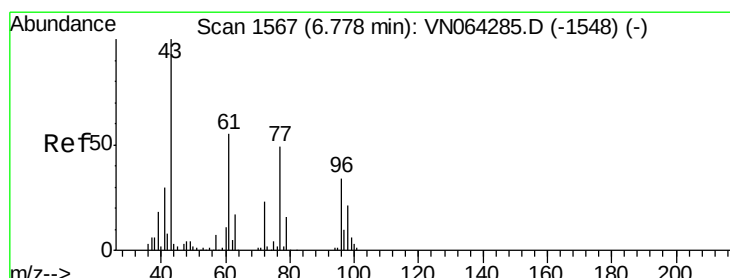
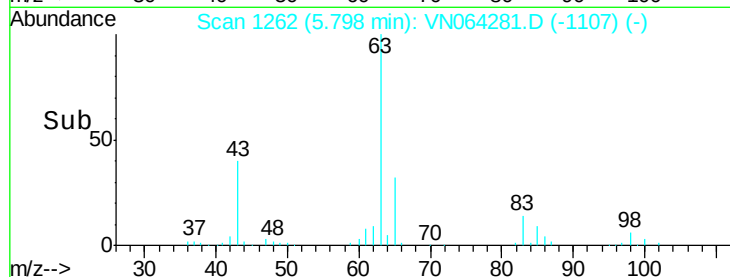
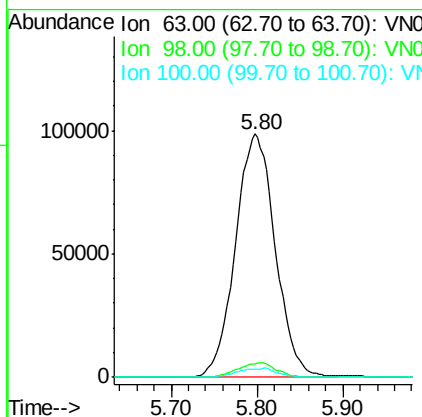
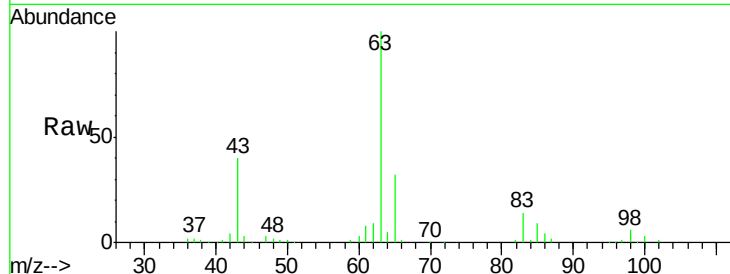
#21
 1,1-Dichloroethane
 Concen: 53.344 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.7	3.5	10.6	
100	3.3	1.6	4.7	

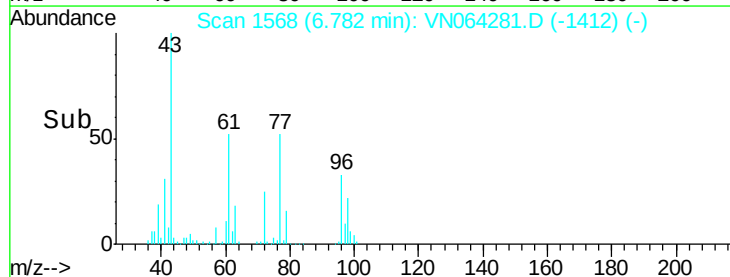
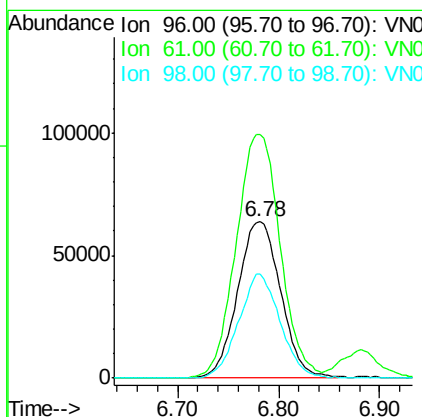
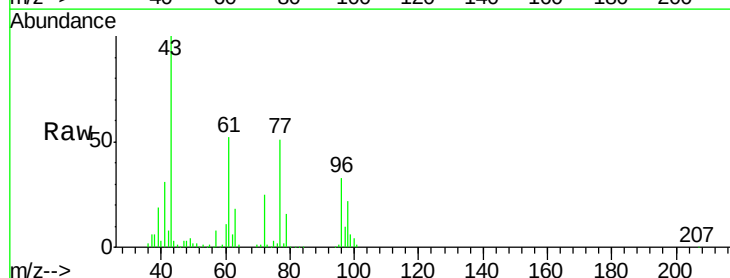
Manual Integrations
 APPROVED

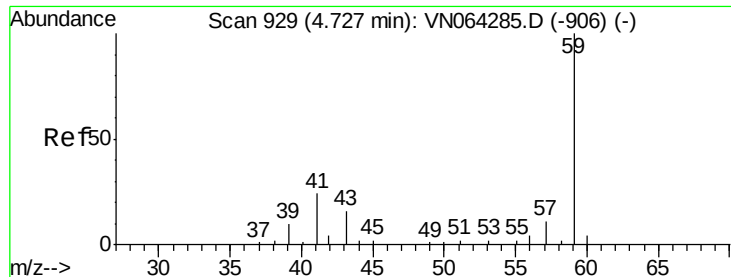
MMDadoda
 10/26/2020 1:38:42 PM



#22
 cis-1,2-Dichloroethene
 Concen: 52.971 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.4	132.2	198.2	
98	63.8	26.5	39.7	





#23

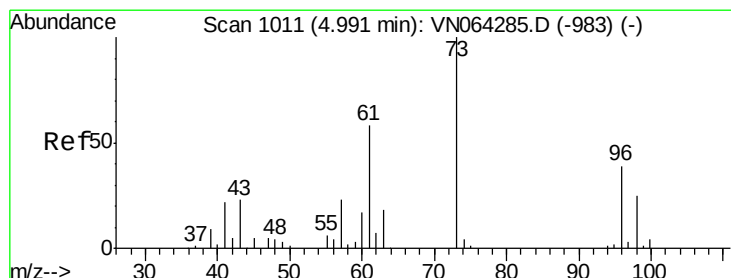
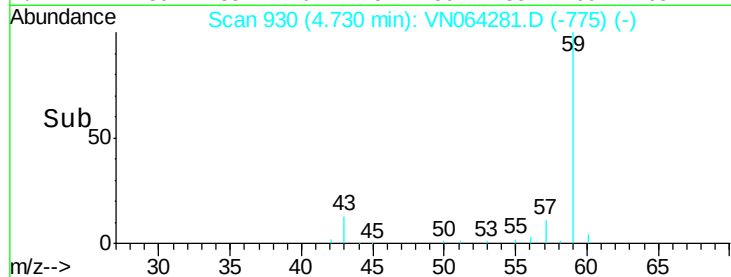
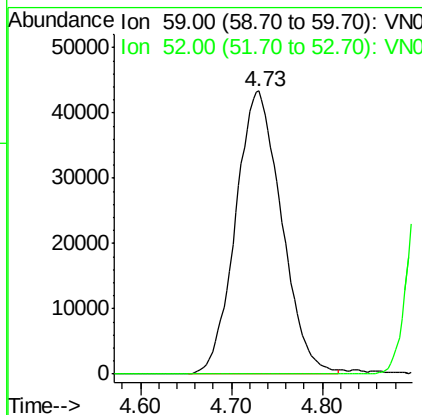
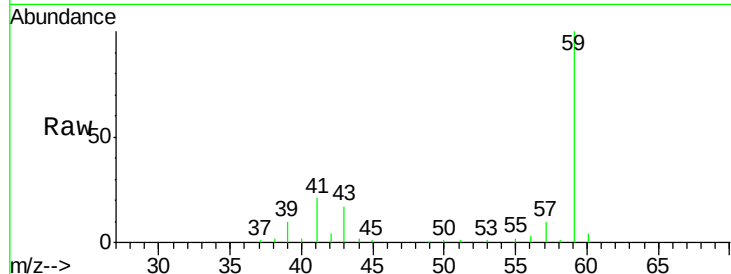
tert-Butyl Alcohol
 Concen: 268.776 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	152105		
52	0.0	0.2	0.2	0.2

Manual Integrations
 APPROVED

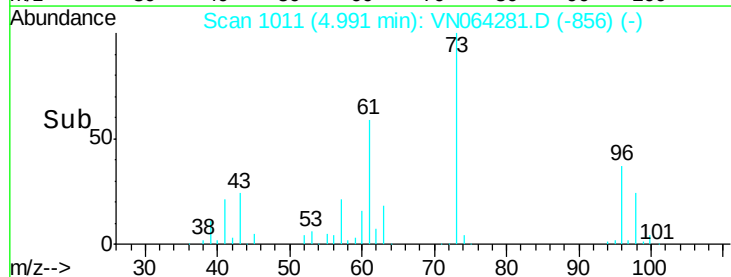
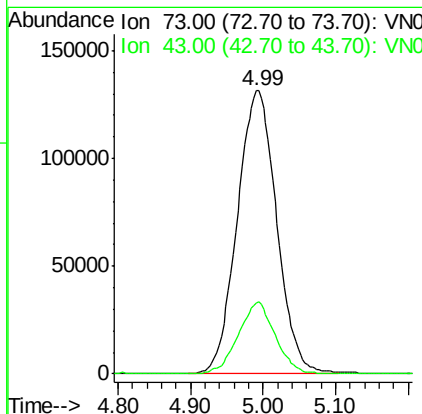
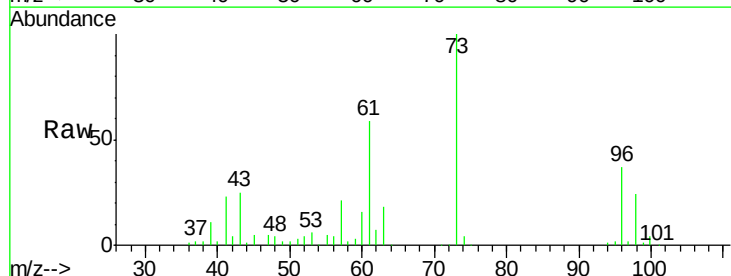
MMDadoda
 10/26/2020 1:38:42 PM

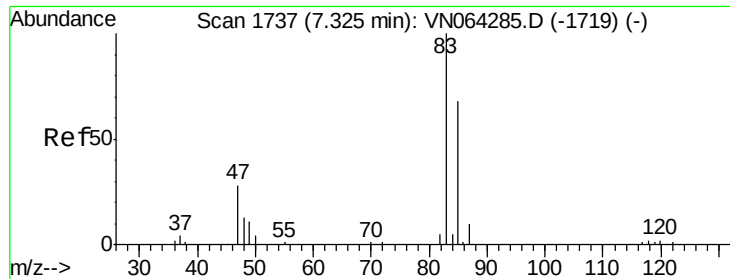


#24

Methyl tert-Butyl Ether
 Concen: 52.937 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	496818		
43	23.1	19.7	29.5	





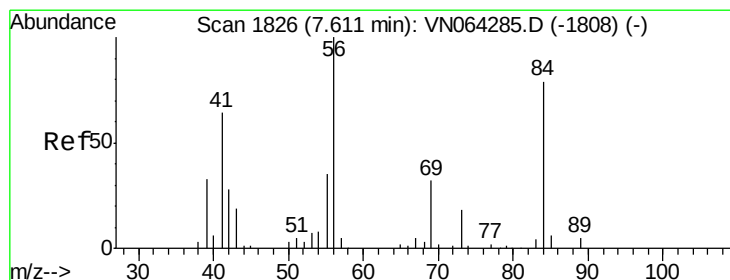
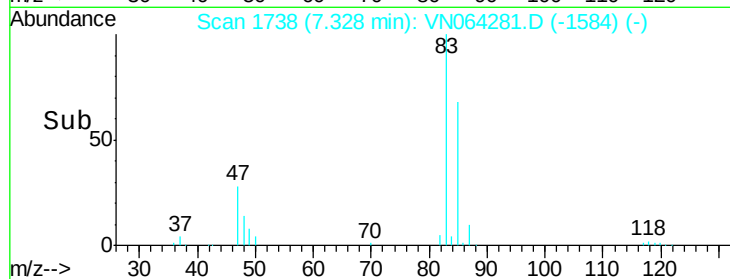
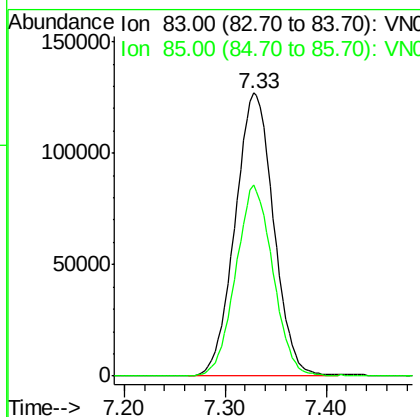
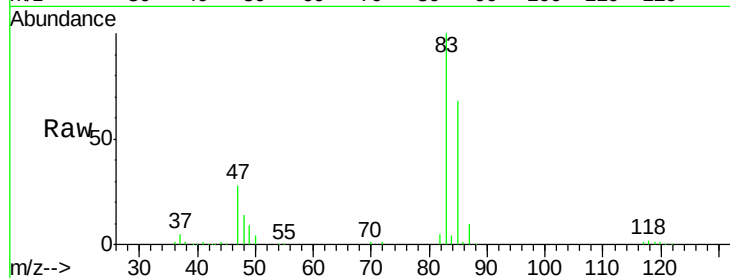
#25
Chloroform
Concen: 54.200 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	336997
Ion Ratio	100	Lower	Upper
85	67.8	50.3	75.5

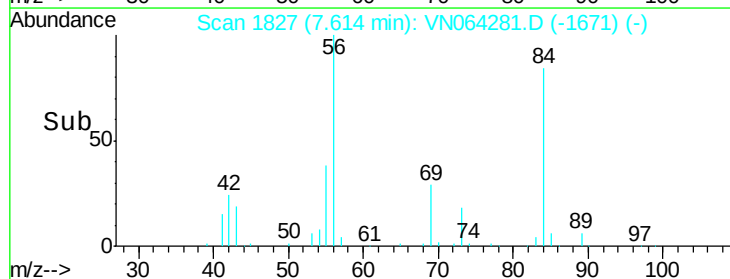
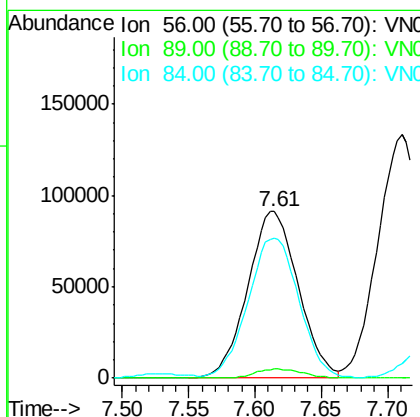
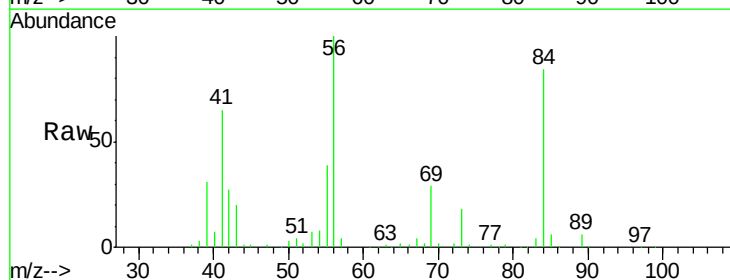
Manual Integrations
APPROVED

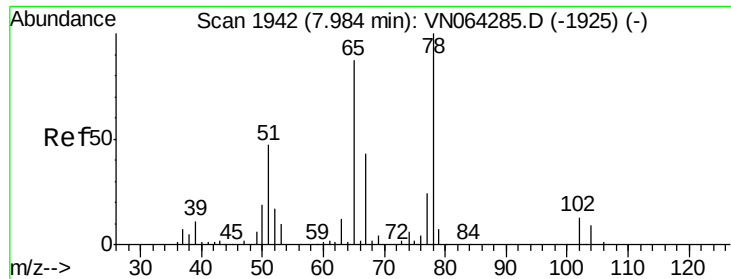
MMDadoda
10/26/2020 1:38:42 PM



#26
Cyclohexane
Concen: 51.356 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	56	Resp	241646
Ion Ratio	100	Lower	Upper
89	5.3	3.4	5.2#
84	84.7	66.2	99.2





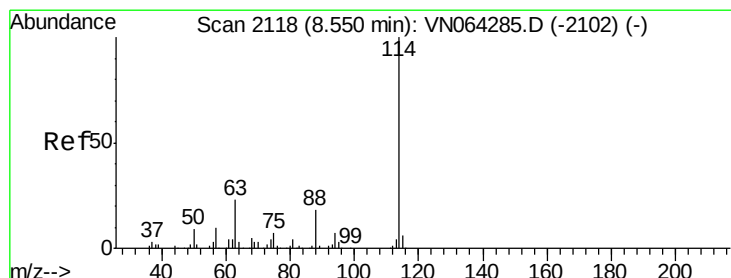
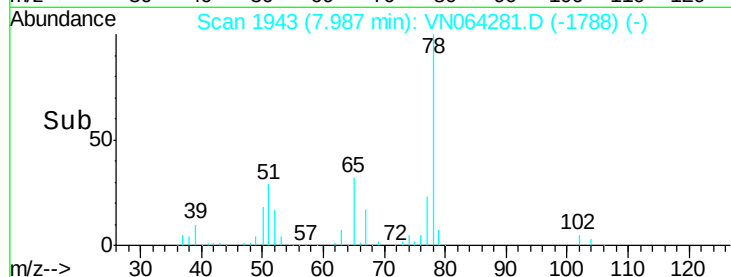
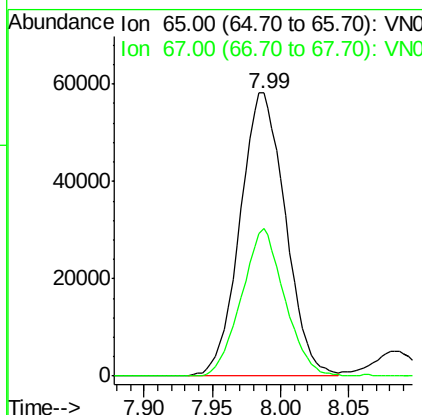
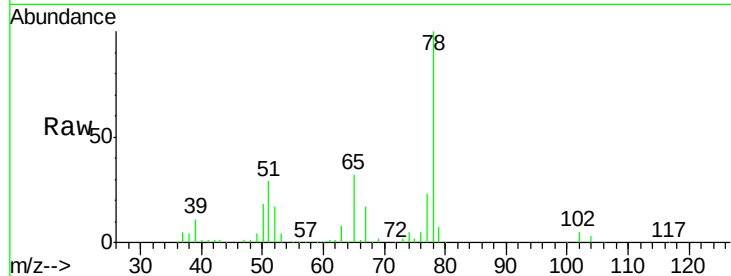
#27
 1,2-Dichloroethane-d4
 Concen: 31.384 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 65 Resp: 134384
 Ion Ratio Lower Upper
 65 100
 67 49.6 38.4 57.6

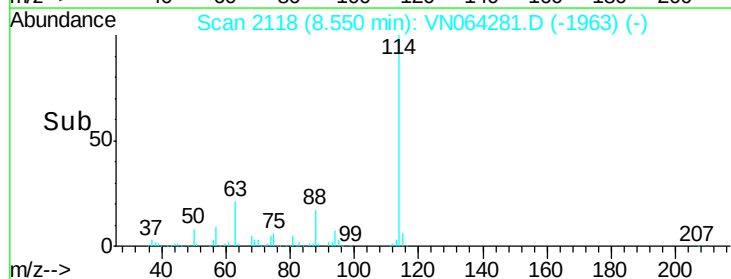
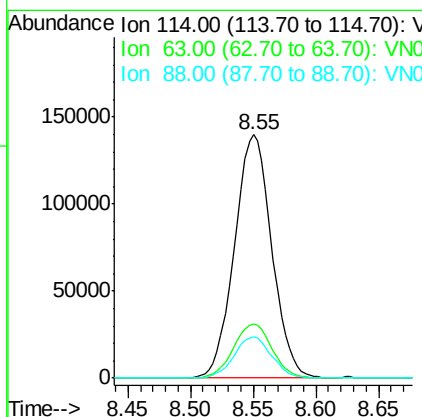
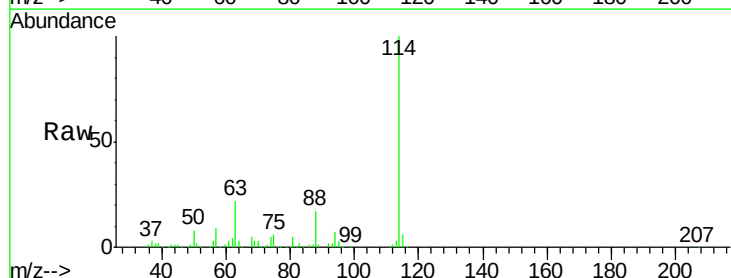
Manual Integrations
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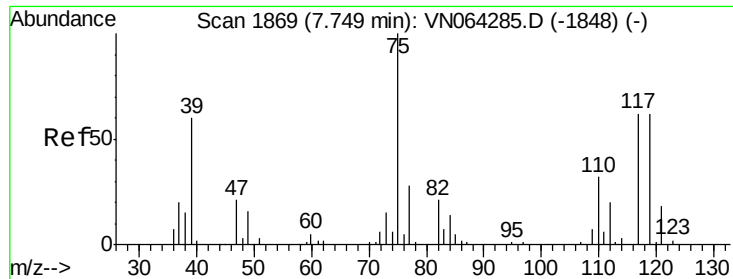
MMDadoda
 10/26/2020 1:38:42 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 114 Resp: 289162
 Ion Ratio Lower Upper
 114 100
 63 22.9 17.8 26.8
 88 17.0 13.8 20.8





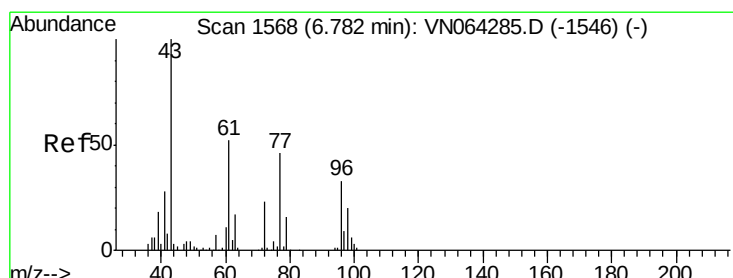
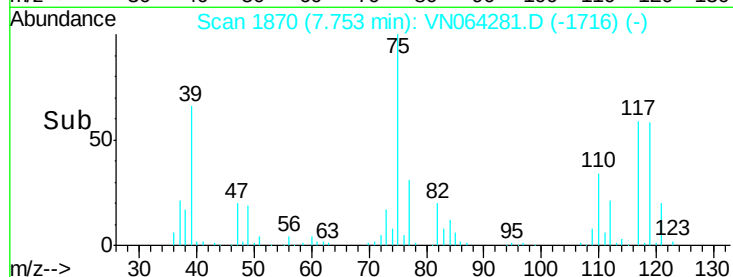
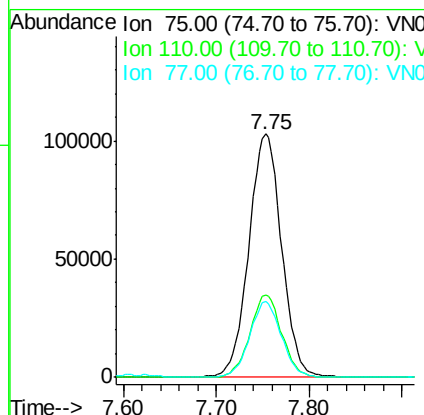
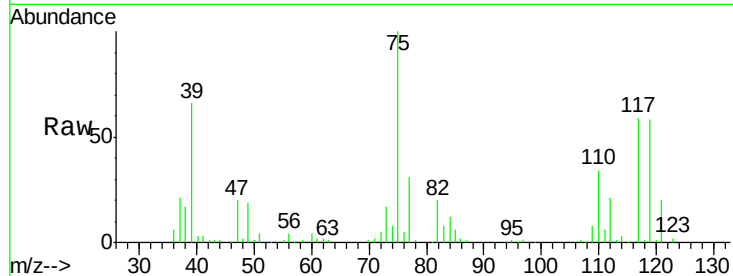
#29
 1,1-Dichloropropene
 Concen: 54.550 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.7	0.0	66.2
77	30.4	0.0	64.4

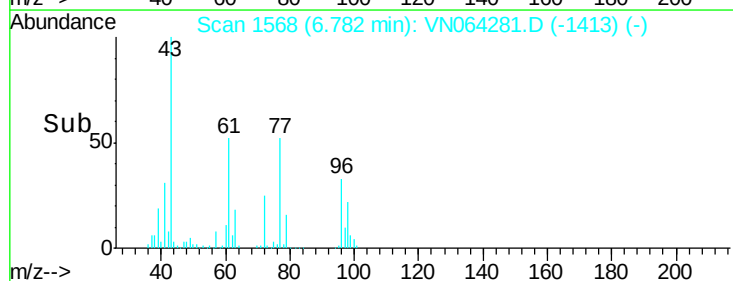
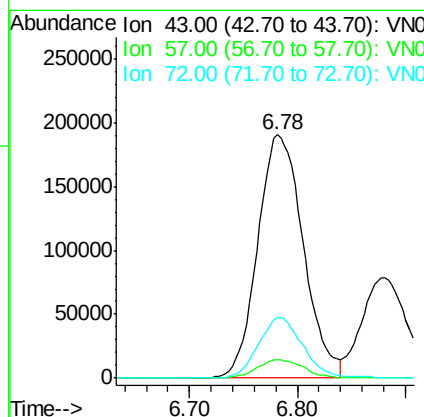
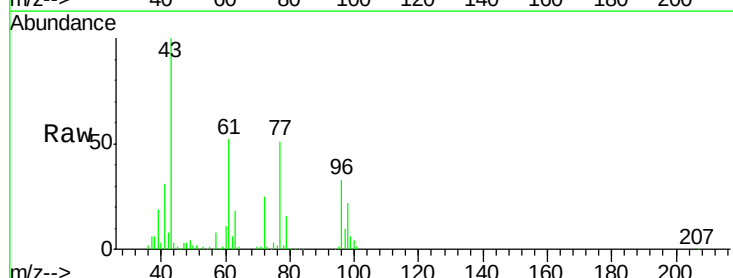
Manual Integrations
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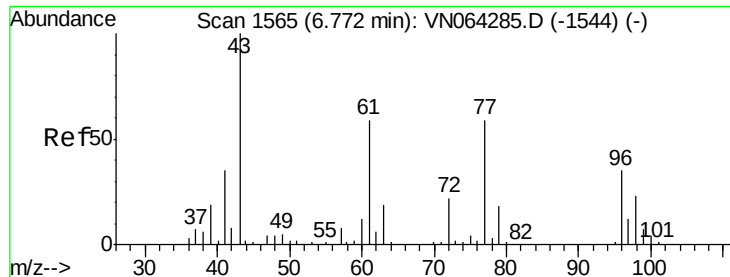
MMDadoda
 10/26/2020 1:38:42 PM



#30
 2-Butanone
 Concen: 282.631 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.7	6.4	9.6
72	24.2	19.4	29.0





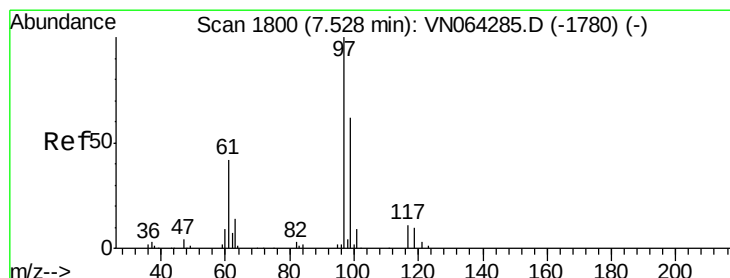
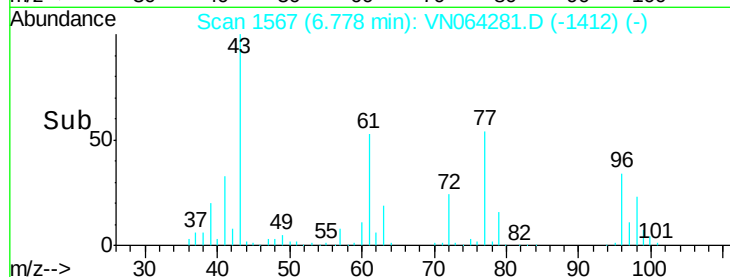
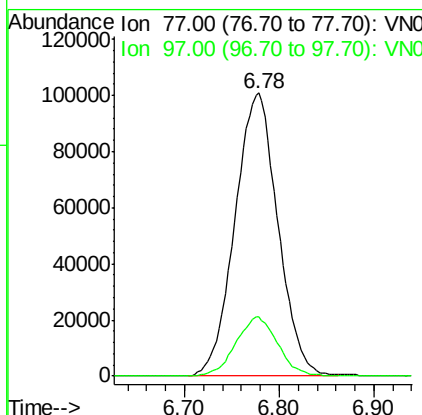
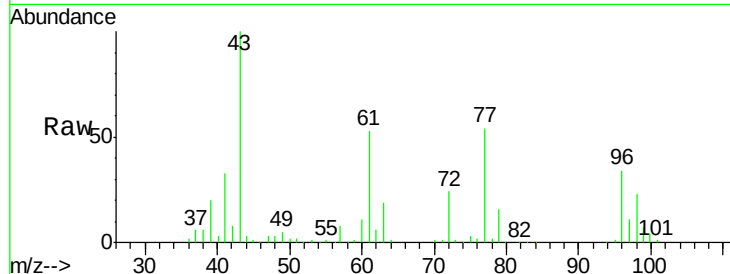
#31
 2,2-Dichloropropane
 Concen: 53.656 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 318116
 Ion Ratio Lower Upper
 77 100
 97 20.4 15.1 22.7

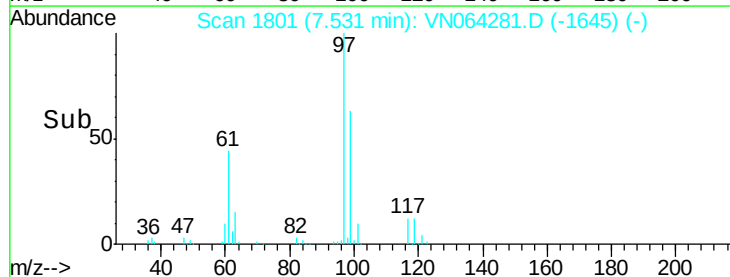
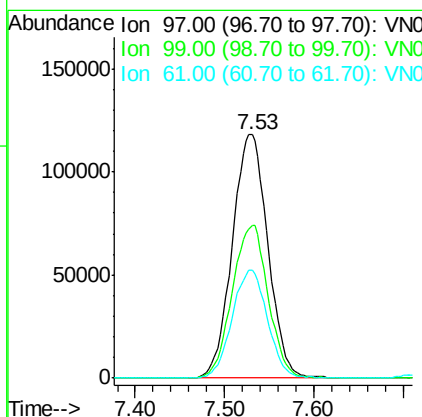
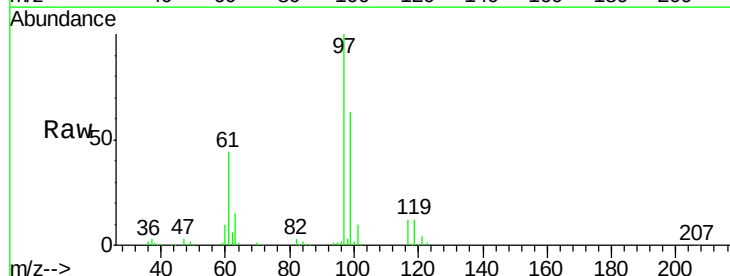
Manual Integrations
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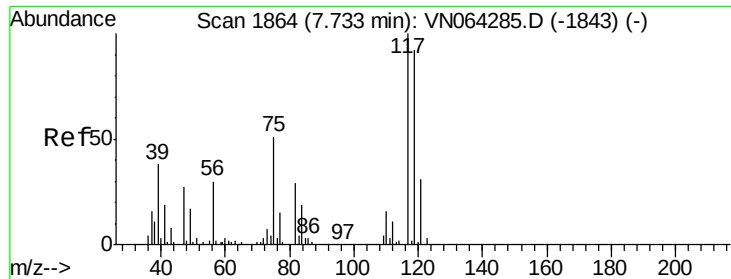
MMDadoda
 10/26/2020 1:38:42 PM



#32
 1,1,1-Trichloroethane
 Concen: 54.904 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 97 Resp: 326404
 Ion Ratio Lower Upper
 97 100
 99 63.3 54.4 81.6
 61 43.9 37.5 56.3





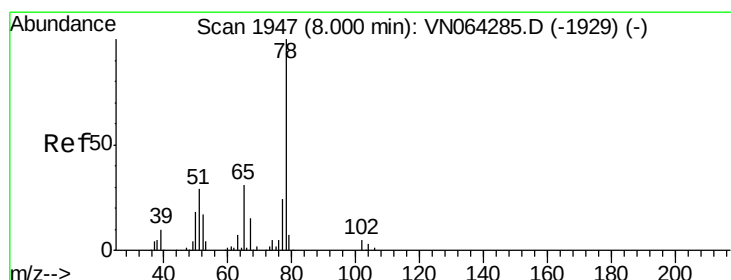
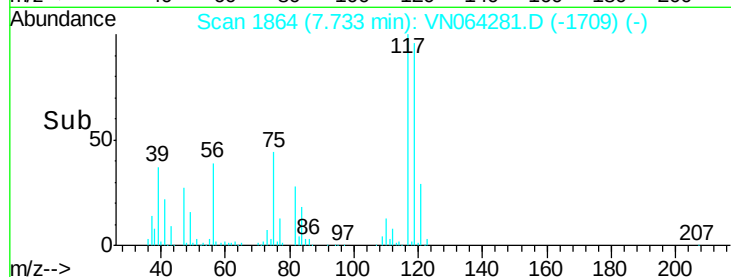
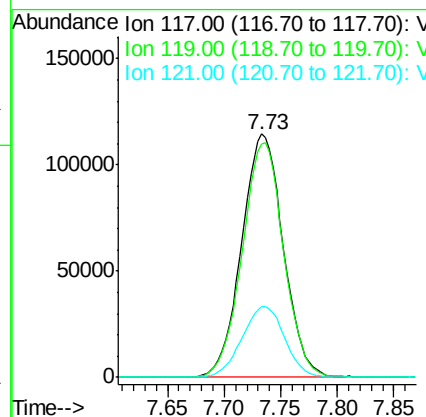
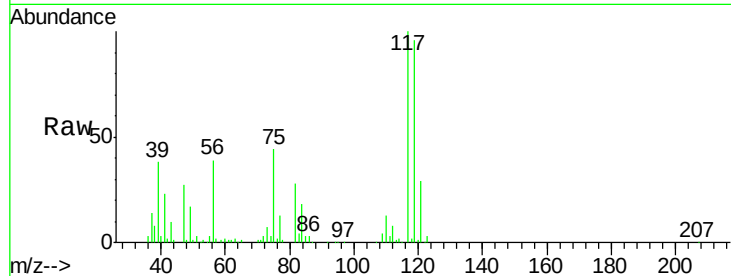
#33
Carbon Tetrachloride
Concen: 54.326 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	80.1	120.1
121	28.9	26.2	39.2

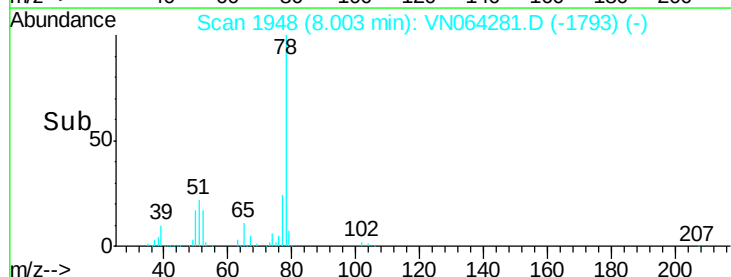
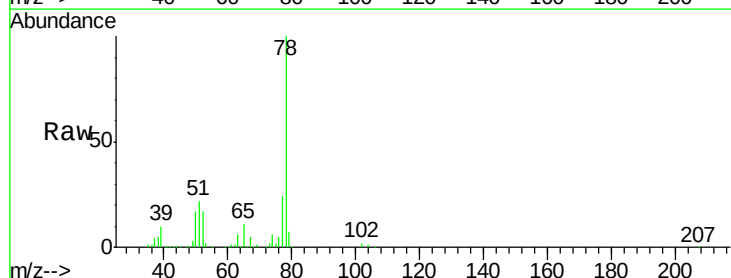
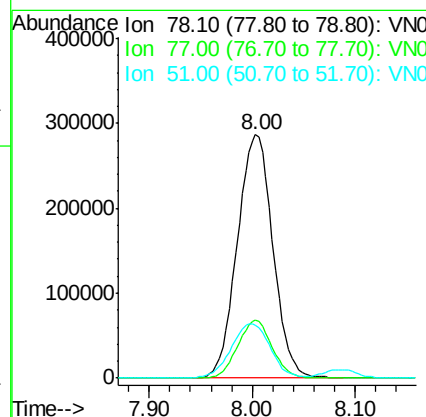
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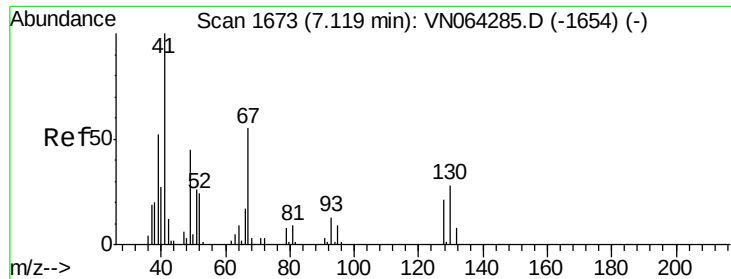
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#34
Benzene
Concen: 53.115 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
51	21.8	25.2	37.8#





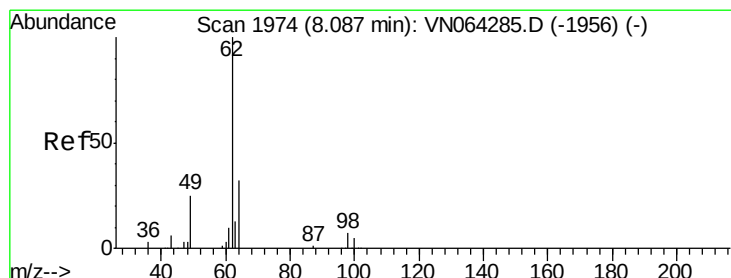
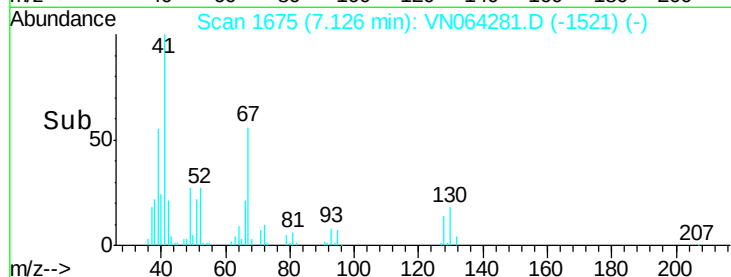
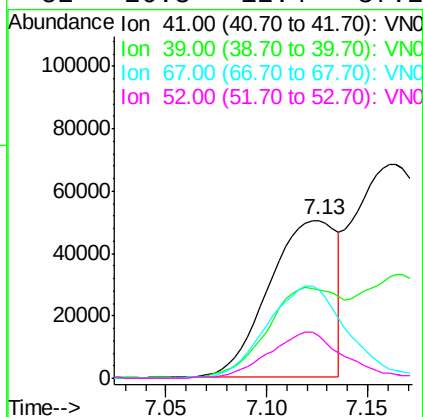
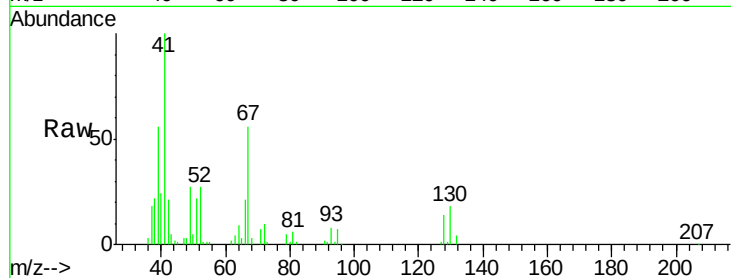
#35
Methacrylonitrile
Concen: 55.550 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	41	Resp	116134
Ion Ratio	Lower	Upper	
41	100		
39	55.7	28.0	83.9
67	56.0	29.9	89.8
52	26.3	12.4	37.2

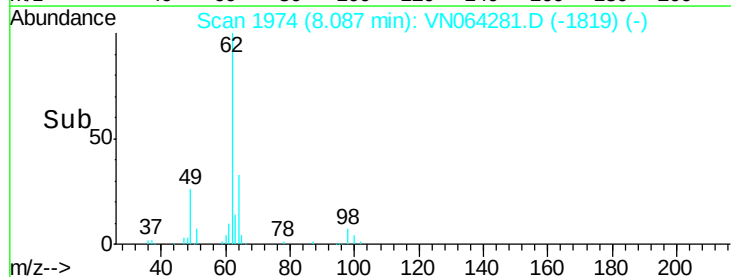
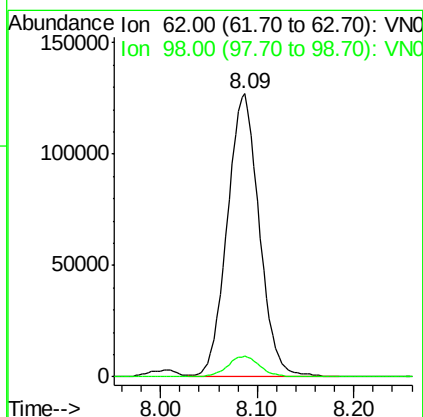
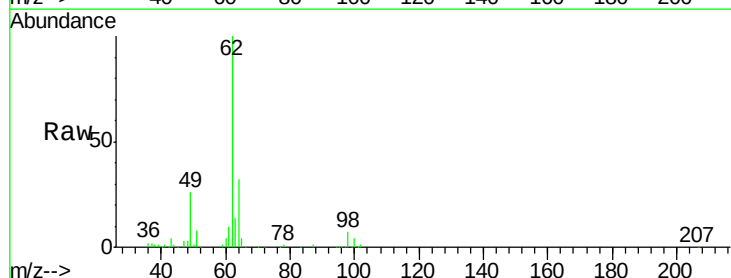
Manual Integrations
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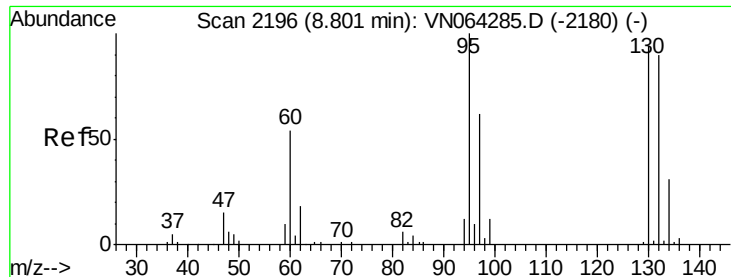
MMDadoda
10/26/2020 1:38:42 PM



#36
1,2-Dichloroethane
Concen: 54.471 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	62	Resp	290918
Ion Ratio	Lower	Upper	
62	100		
98	7.5	5.4	8.0





#37

Trichloroethene

Concen: 52.089 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 185429

Ion Ratio Lower Upper

130 100

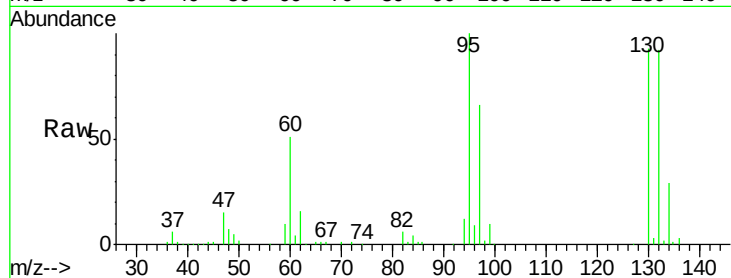
95 107.6 81.2 121.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

100000

80000

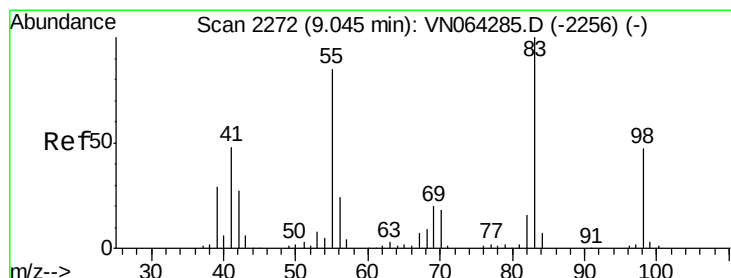
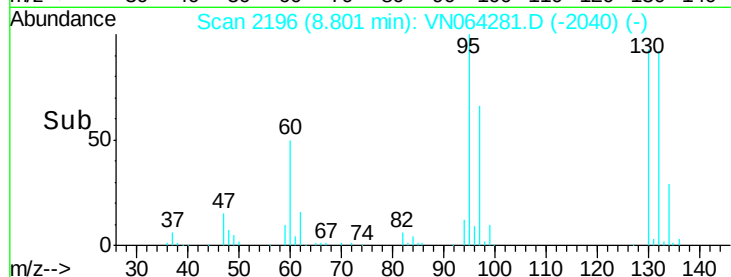
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 50.976 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

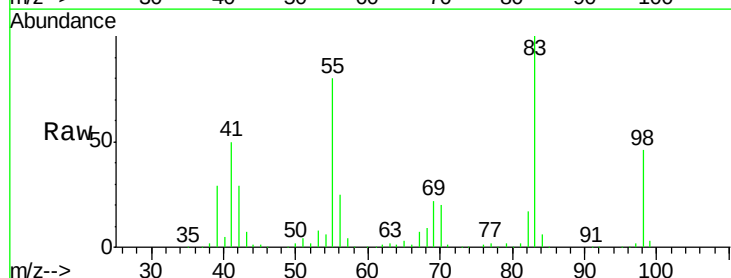
Tgt Ion: 83 Resp: 225544

Ion Ratio Lower Upper

83 100

55 81.1 40.3 120.9

98 46.2 25.3 75.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

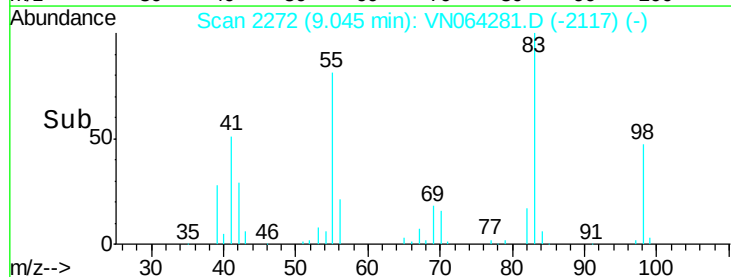
9.05

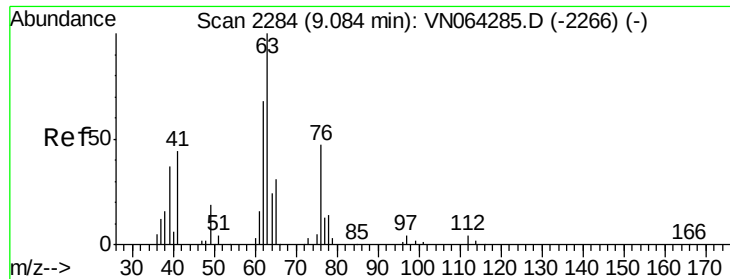
100000

50000

0

Time-->





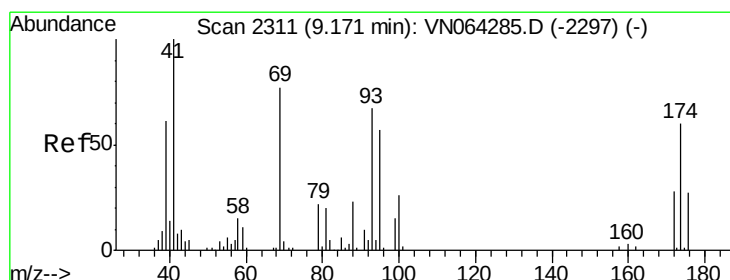
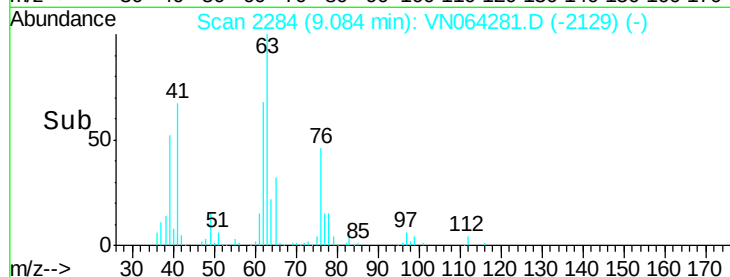
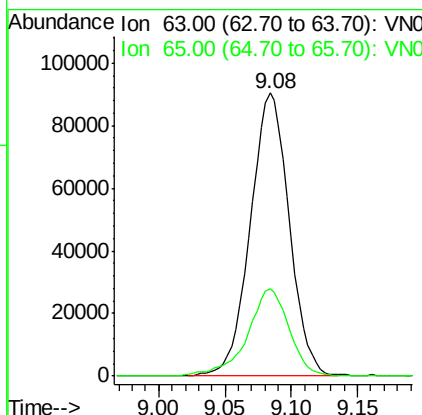
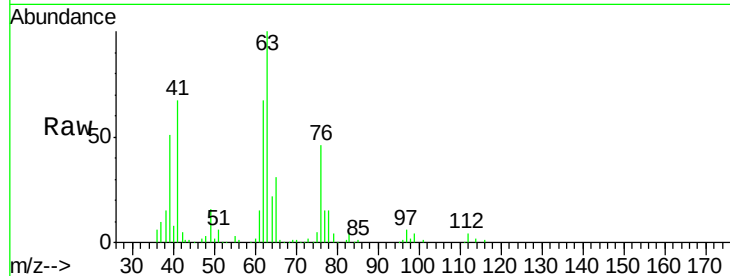
#39
 1,2-Dichloropropane
 Concen: 53.011 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 184270
 Ion Ratio Lower Upper
 63 100
 65 30.9 26.1 39.1

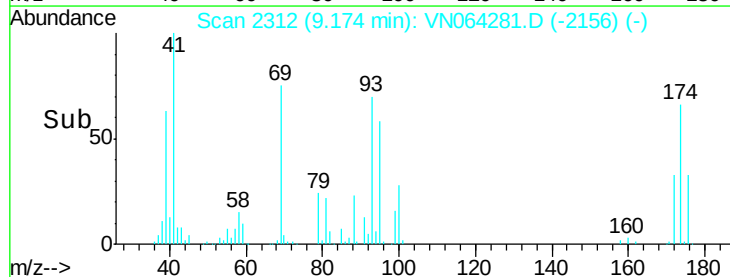
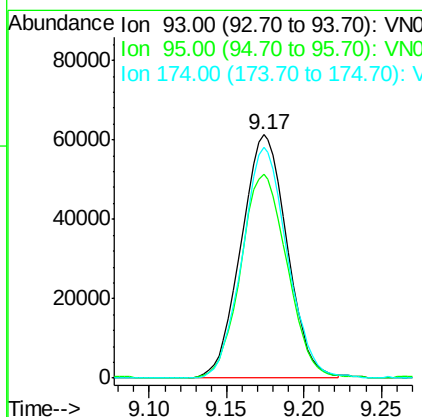
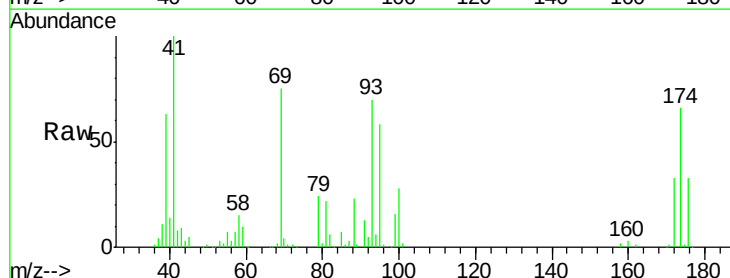
Manual Integrations
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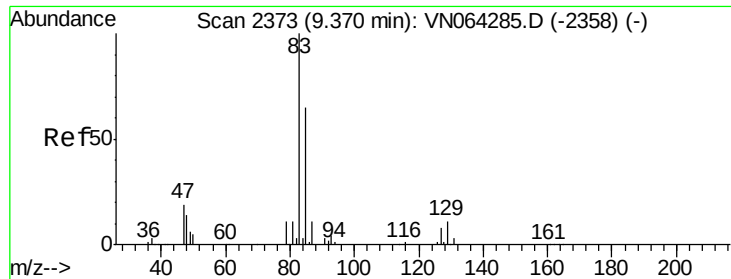
MMDadoda
 10/26/2020 1:38:42 PM



#40
 Dibromomethane
 Concen: 52.019 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 93 Resp: 126608
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 156.6
 174 93.1 0.0 168.8





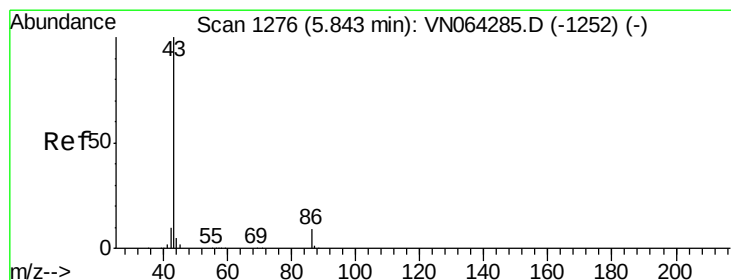
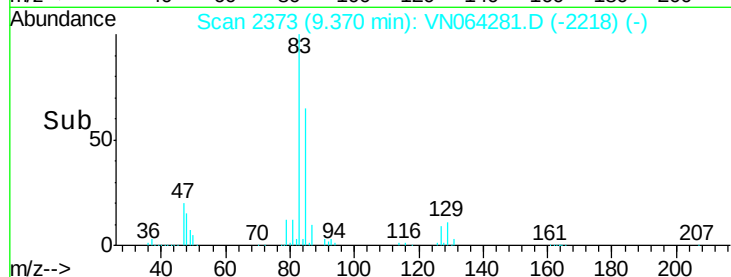
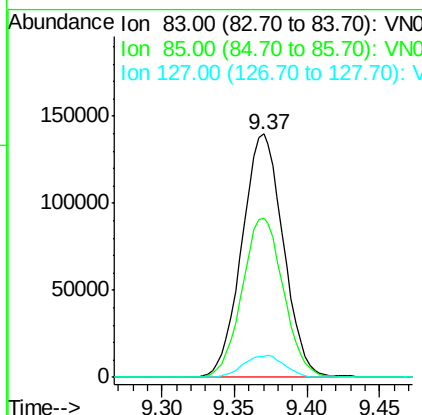
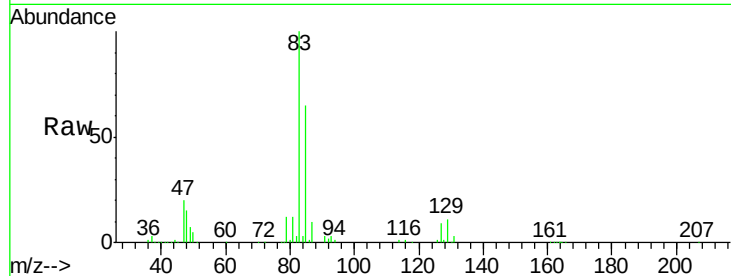
#41
Bromodichloromethane
Concen: 53.275 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	277620
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	57.8	86.6
127	8.8	7.0	10.4

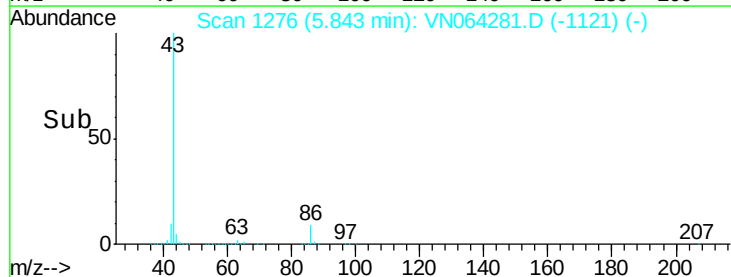
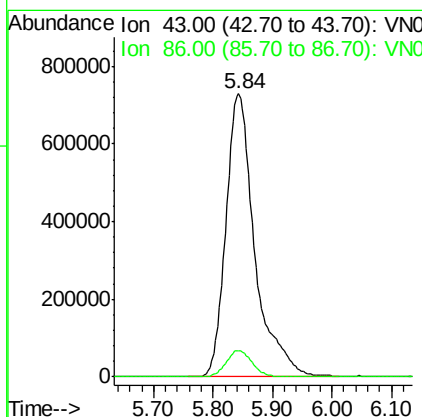
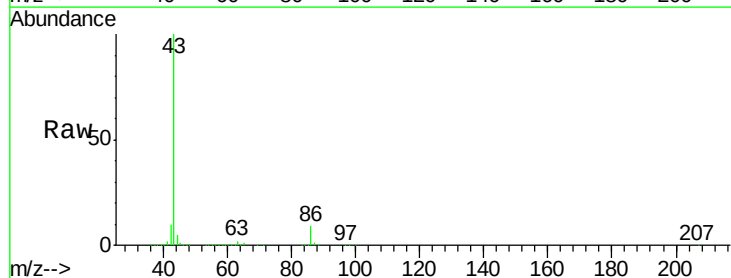
Manual Integrations
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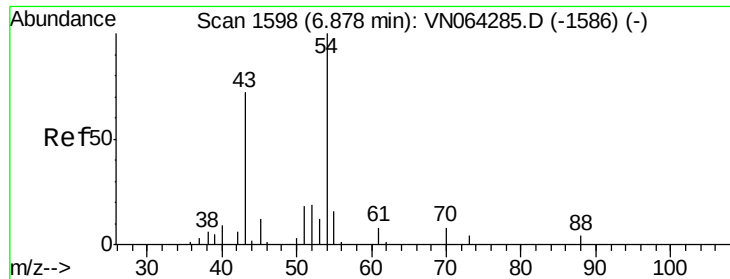
MMDadoda
10/26/2020 1:38:42 PM



#42
Vinyl Acetate
Concen: 268.960 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	43	Resp	2458088
Ion Ratio	100	Lower	Upper
43	100		
86	8.4	6.6	9.8





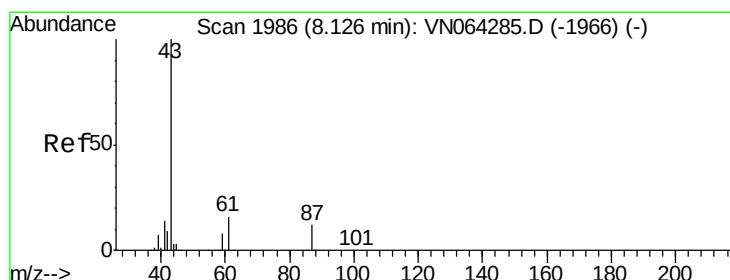
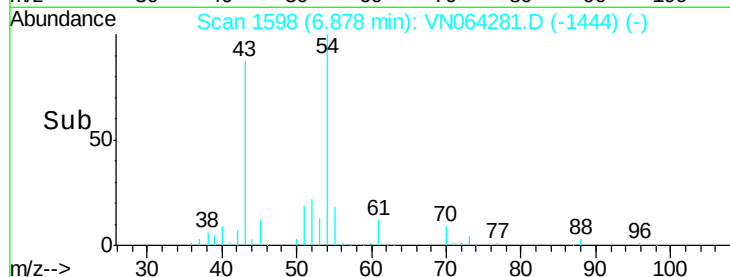
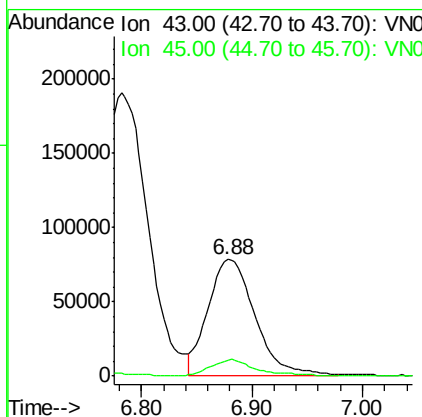
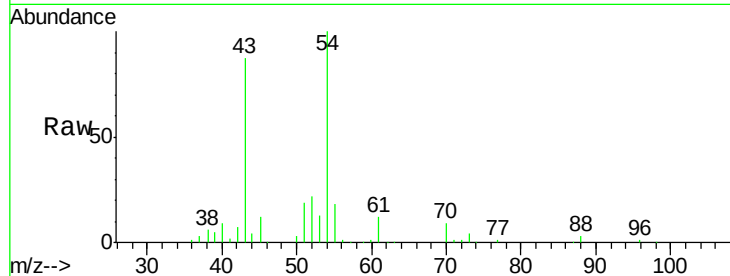
#43
Ethyl Acetate
Concen: 55.215 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	Ratio	Lower	Upper
230568	100			
45	12.0	8.2	12.4	

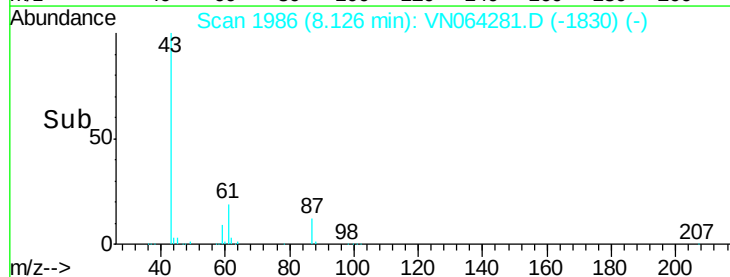
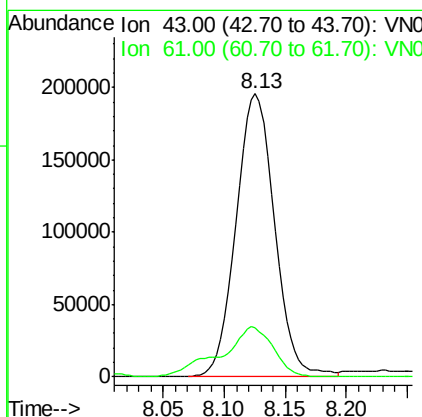
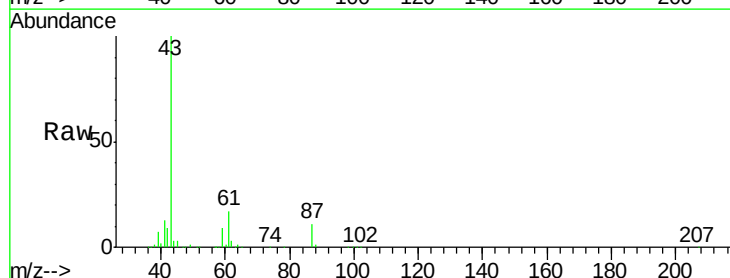
Manual Integrations
APPROVED

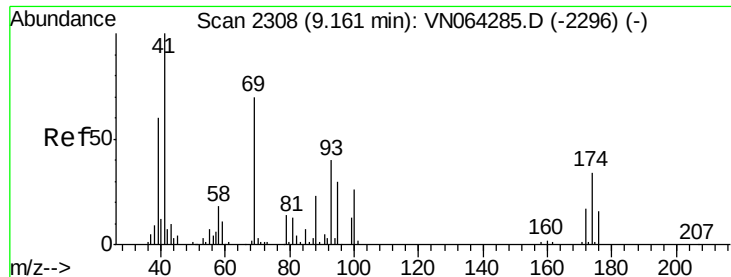
MMDadoda
10/26/2020 1:38:42 PM



#44
Isopropyl Acetate
Concen: 53.022 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	43	Ratio	Lower	Upper
424462	100			
61	23.8	19.9	29.9	





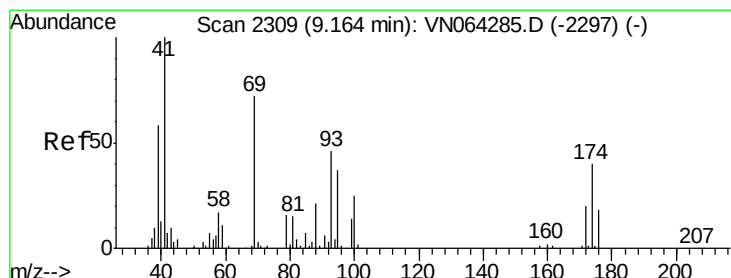
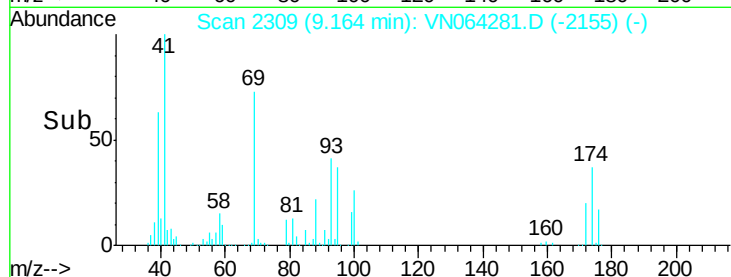
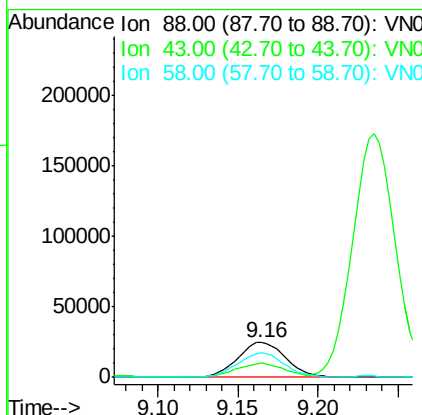
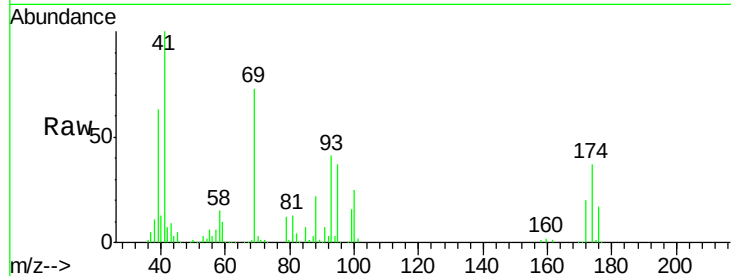
#45
1,4-Dioxane
Concen: 1083.554 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	34.7	52.1
58	68.1	65.8	98.6

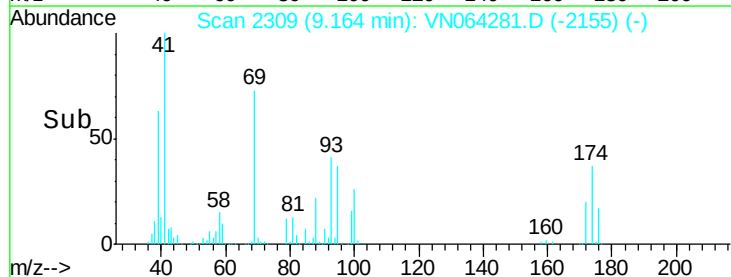
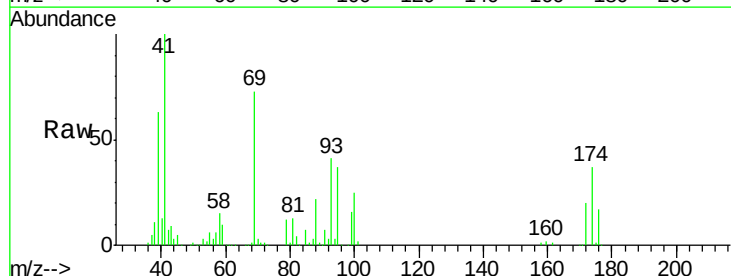
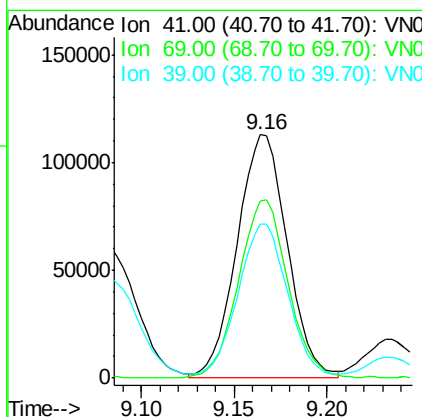
Manual Integrations
APPROVED

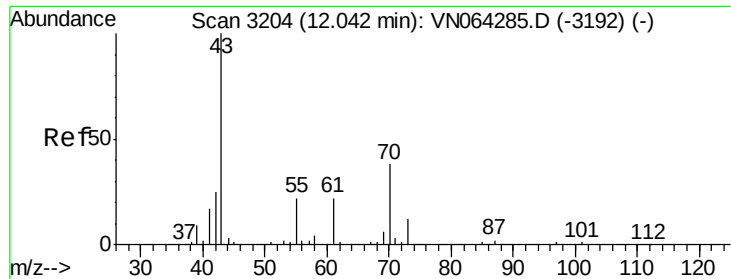
MMDadoda
10/26/2020 1:38:42 PM



#46
Methyl methacrylate
Concen: 55.387 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.5	32.6	97.7
39	62.8	31.1	93.3





#47

n-amvl Acetate

Concen: 53.098 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 377172

Ion Ratio Lower Upper

43 100

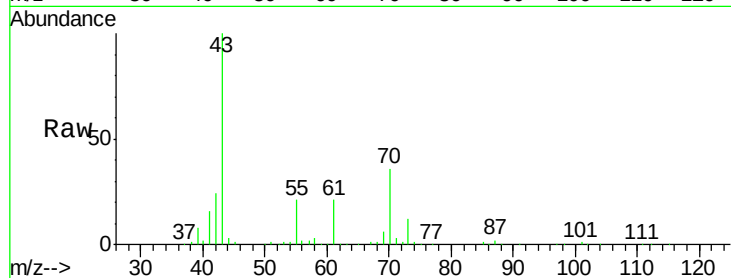
55 22.0 18.2 27.2

Manual Integrations

APPROVED

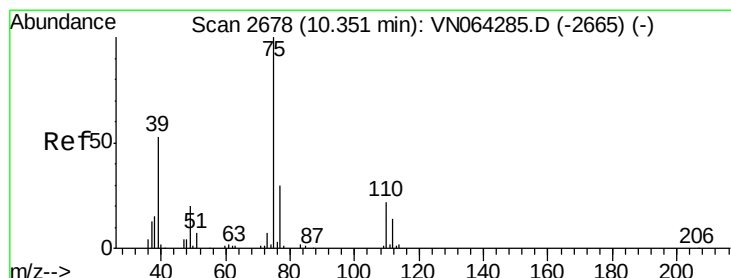
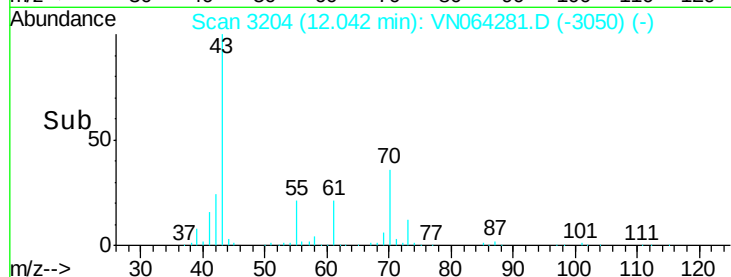
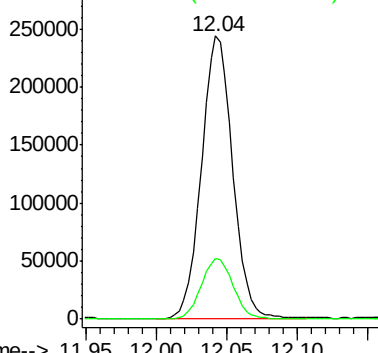
MMDadoda

10/26/2020 1:38:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 52.535 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064281.D

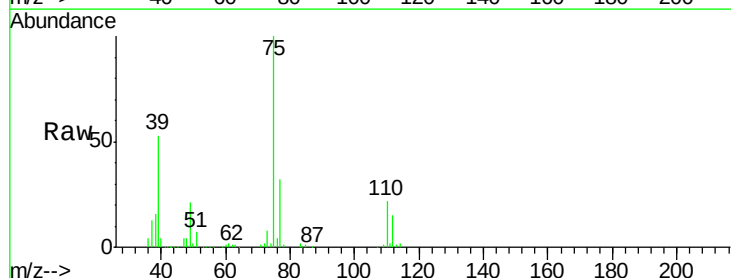
Acq: 23 Oct 2020 10:46

Tgt Ion: 75 Resp: 309507

Ion Ratio Lower Upper

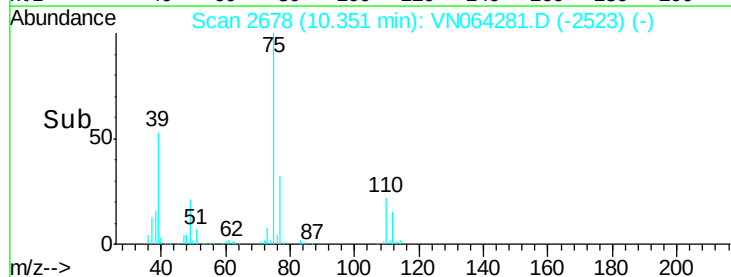
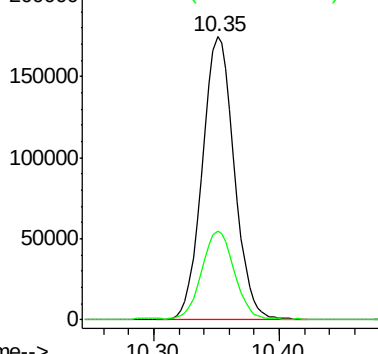
75 100

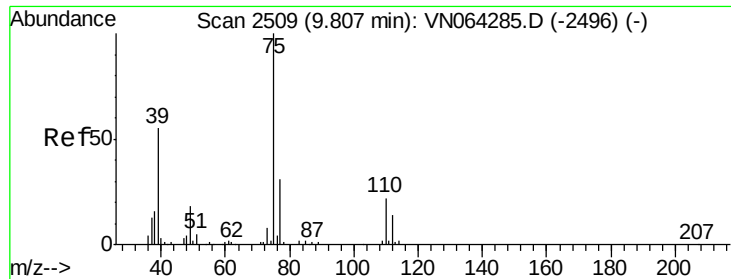
77 31.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





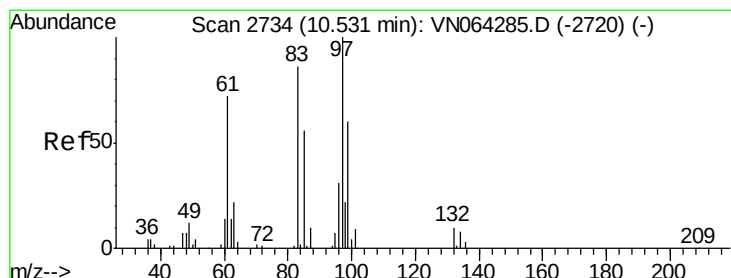
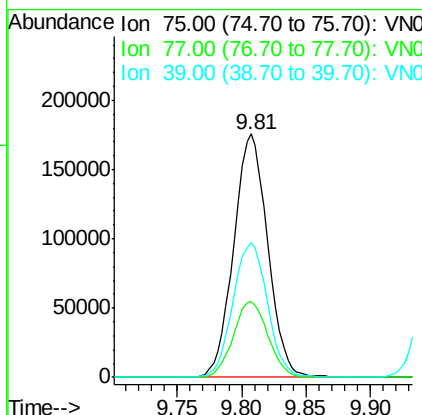
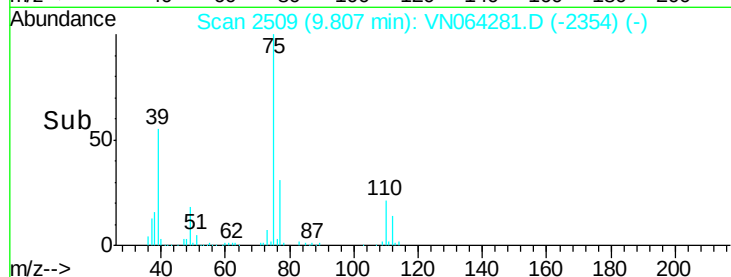
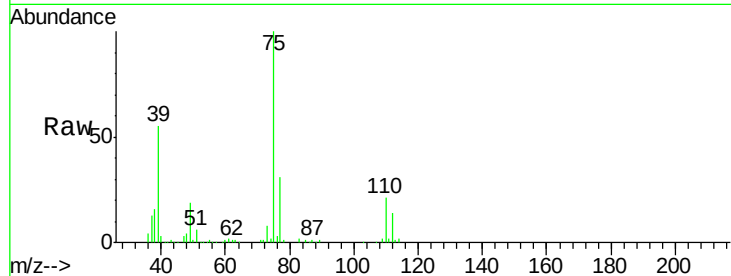
#49
 cis-1,3-Dichloropropene
 Concen: 53.085 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.7	35.5
39	55.0	46.9	70.3

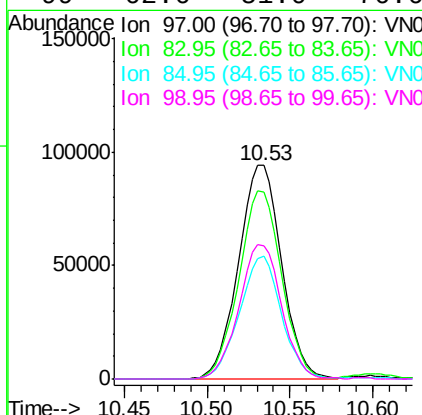
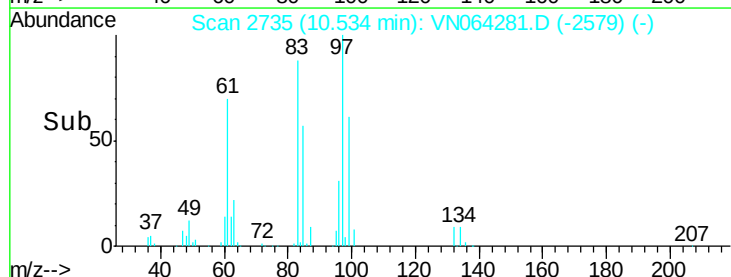
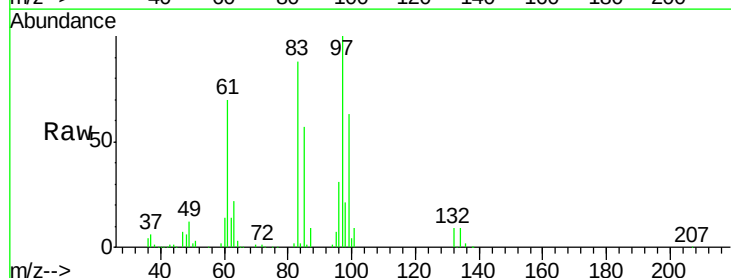
Manual Integrations
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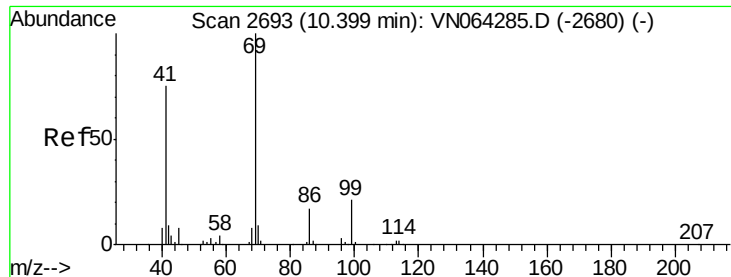
MMDadoda
 10/26/2020 1:38:42 PM



#50
 1,1,2-Trichloroethane
 Concen: 52.839 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.9	103.3
85	57.3	37.8	56.8#
99	62.6	51.0	76.6





#51

Ethyl methacrylate

Concen: 52.480 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

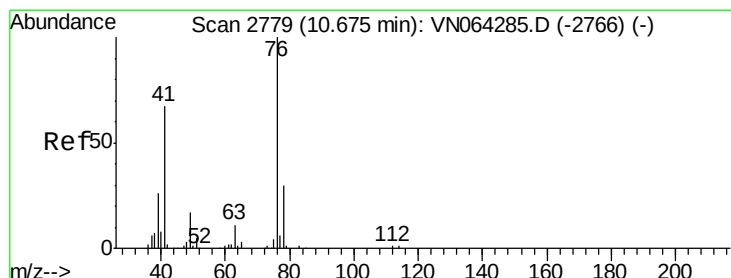
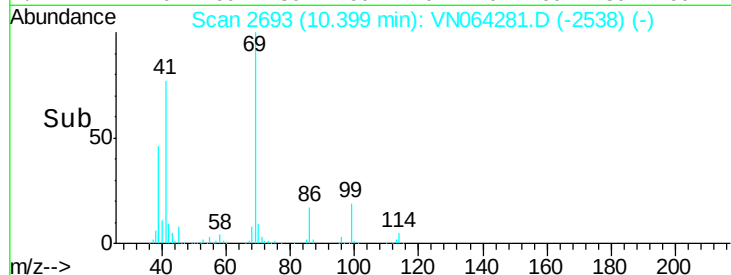
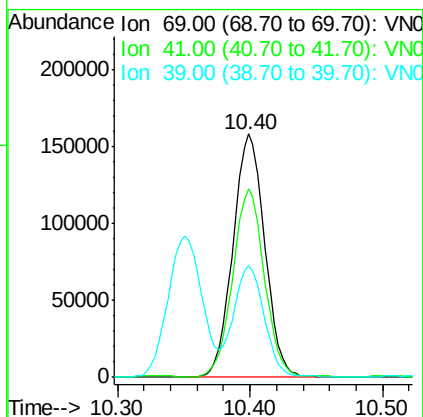
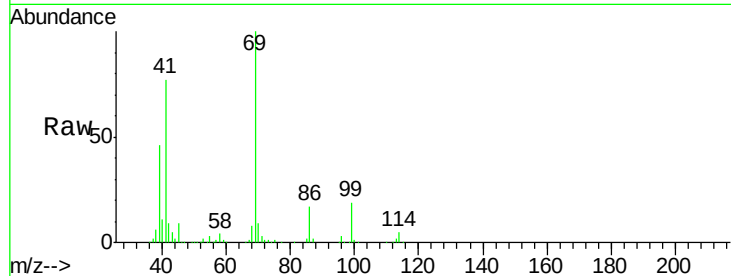
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	264136
Ion	Ratio	Lower	Upper
69	100		
41	77.2	43.6	130.9
39	45.8	25.8	77.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 53.842 ug/l

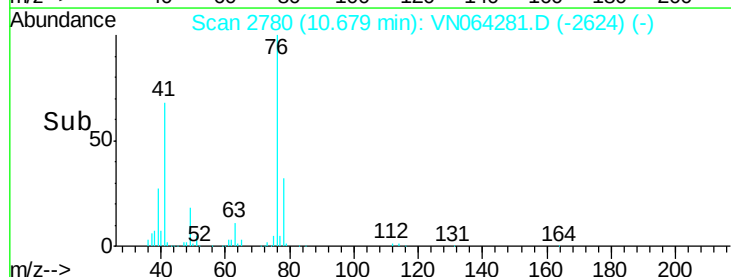
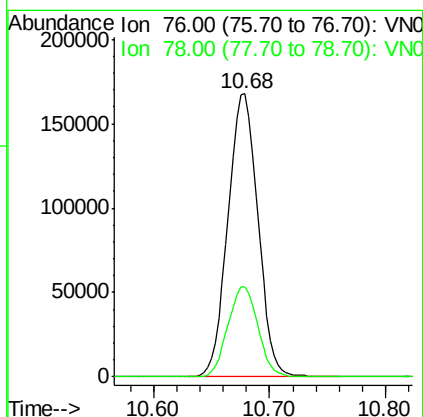
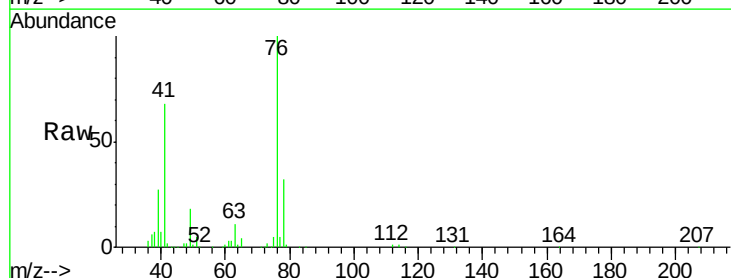
RT: 10.68 min Scan# 2780

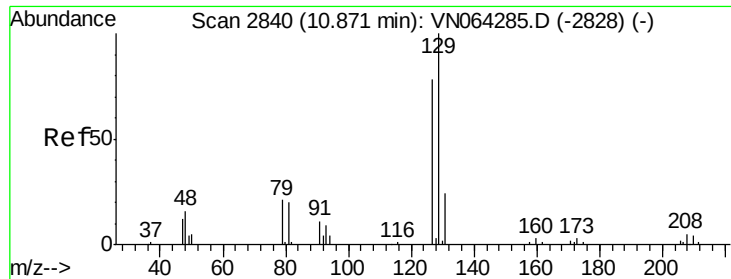
Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion:	76	Resp:	300089
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.6





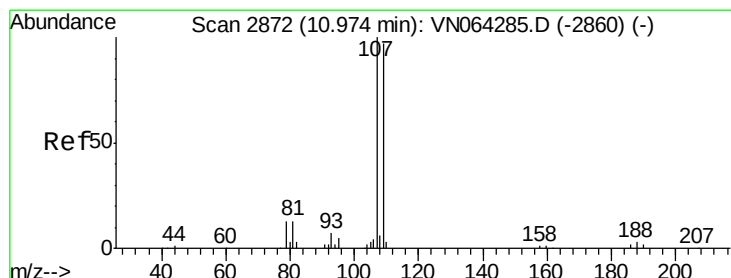
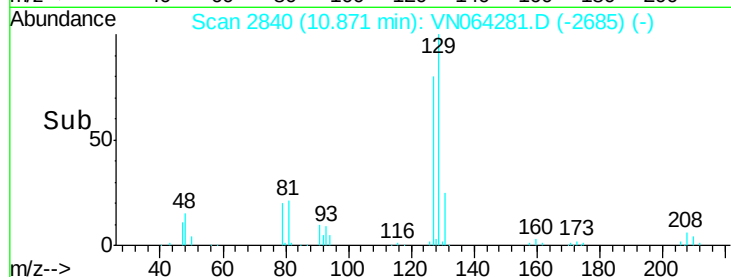
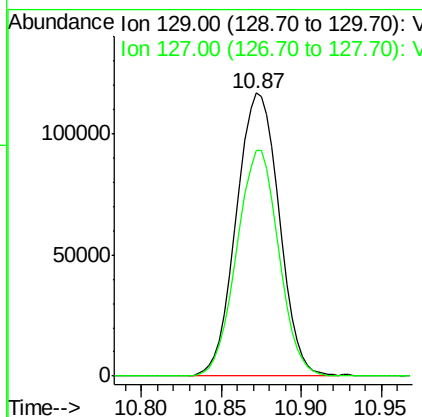
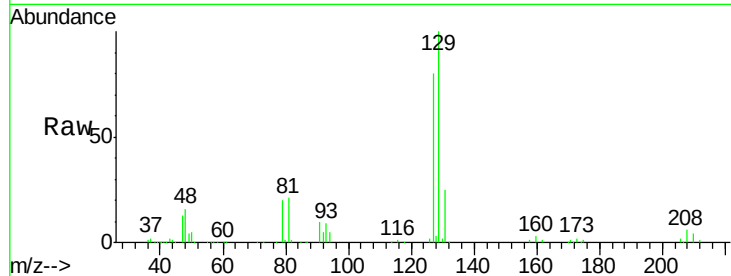
#53
Dibromochloromethane
Concen: 53.455 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.3	42.4	127.2

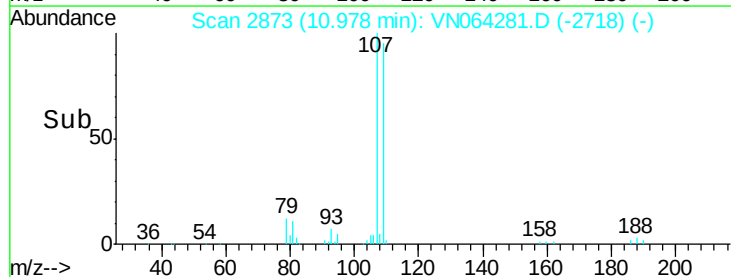
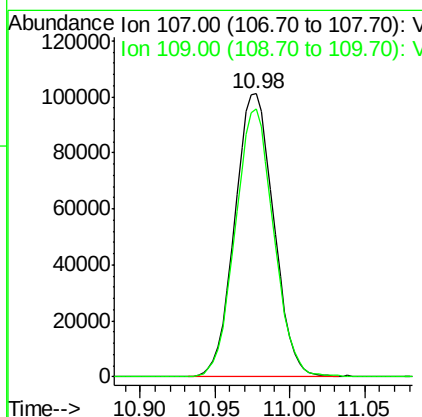
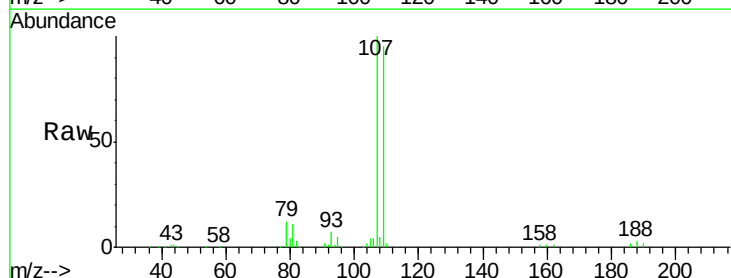
Manual Integrations
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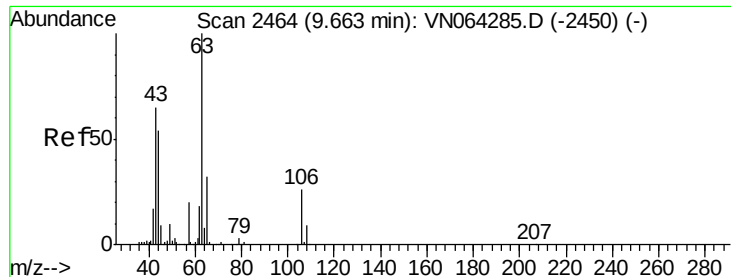
MMDadoda
10/26/2020 1:38:42 PM



#54
1,2-Dibromoethane
Concen: 53.793 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.7	113.5





#55

2-Chloroethyl vinyl ether

Concen: 285.308 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

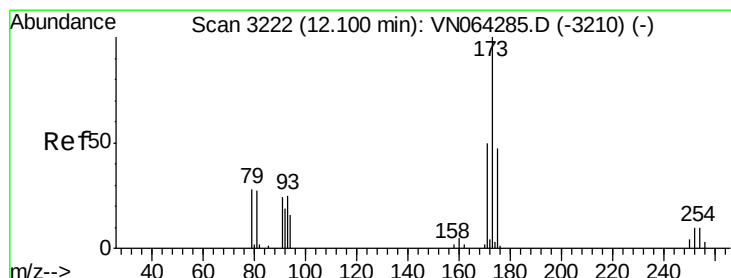
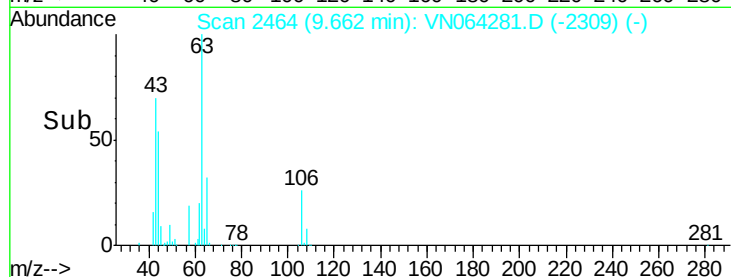
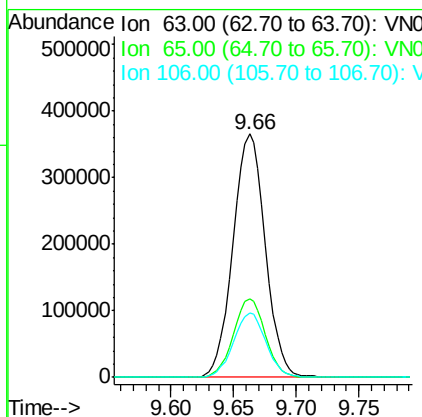
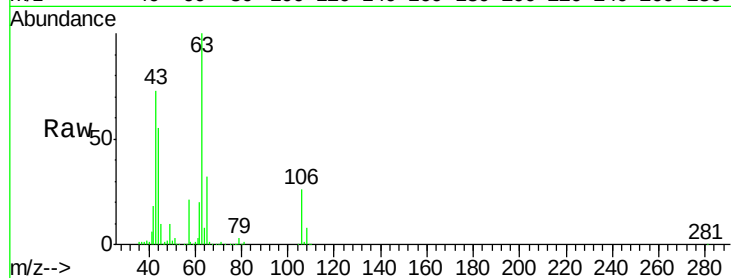
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	655142
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.2	37.8
106	26.5	20.6	31.0

Manual Integrations
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#56

Bromoform

Concen: 53.386 ug/l

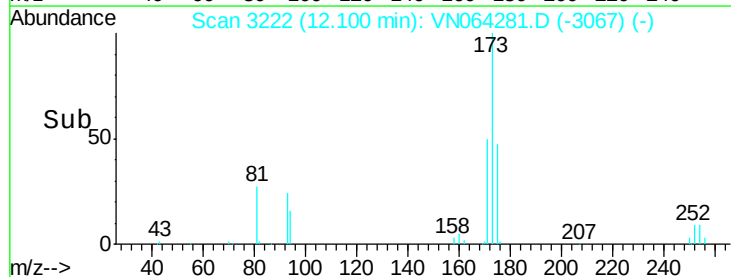
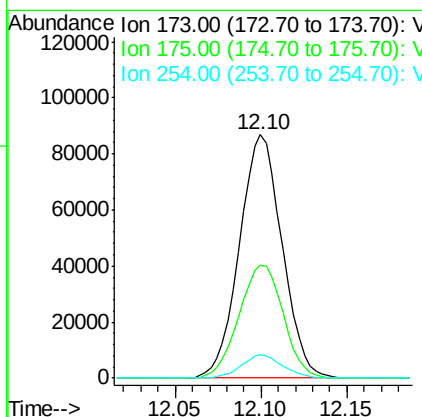
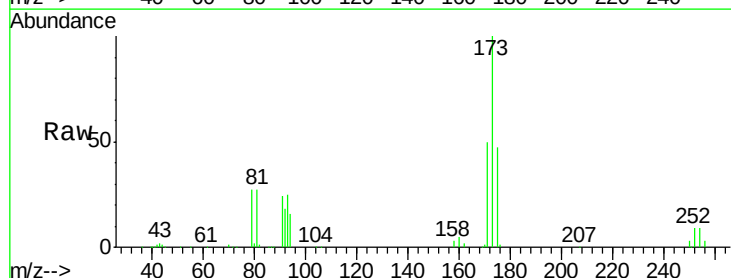
RT: 12.10 min Scan# 3222

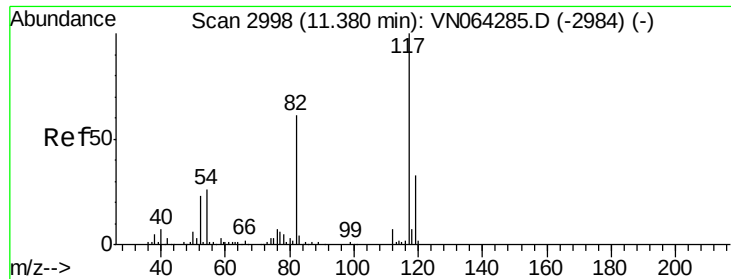
Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion:	173	Resp:	149637
Ion Ratio	Lower	Upper	
173	100		
175	48.3	39.5	59.3
254	9.1	5.0	7.4#





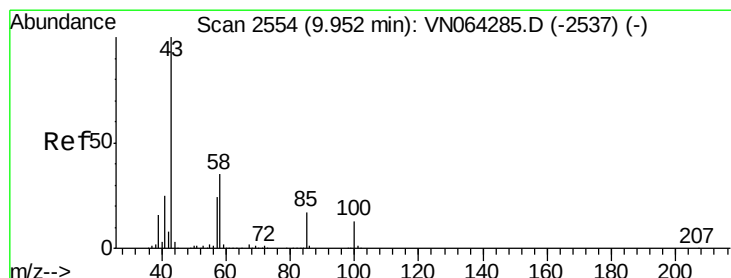
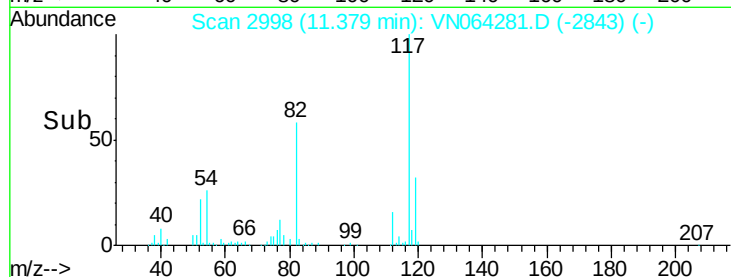
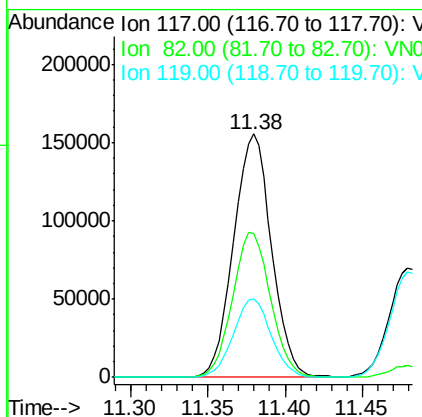
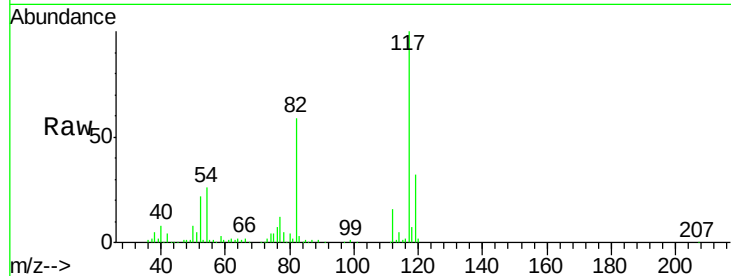
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.0	70.6
119	32.2	24.6	37.0

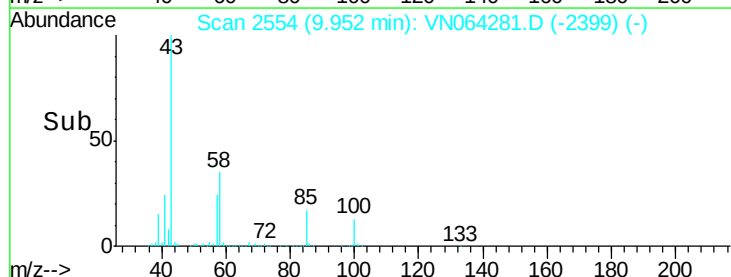
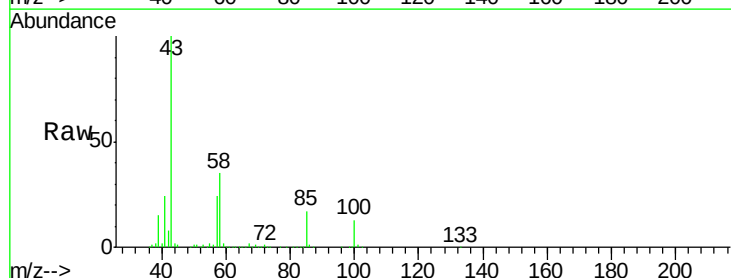
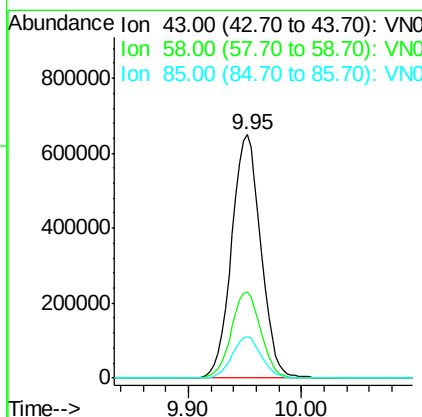
Manual Integrations
APPROVED

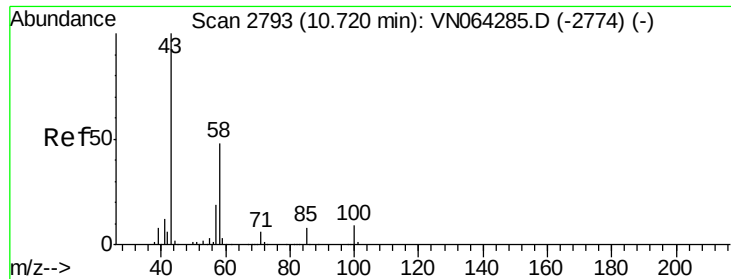
MMDadoda
10/26/2020 1:38:42 PM



#58
4-Methyl-2-Pentanone
Concen: 266.716 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	43.0
85	16.9	13.7	20.5





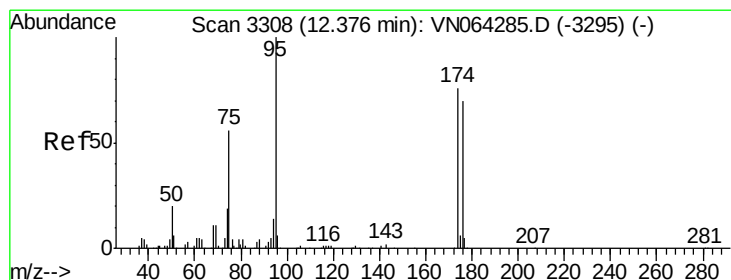
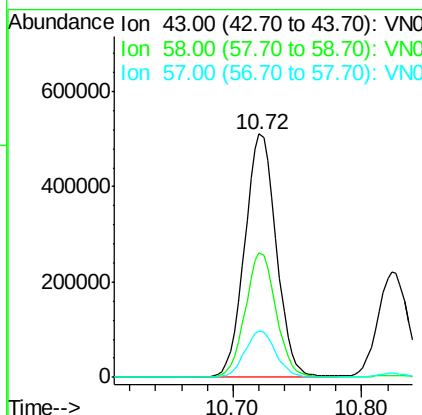
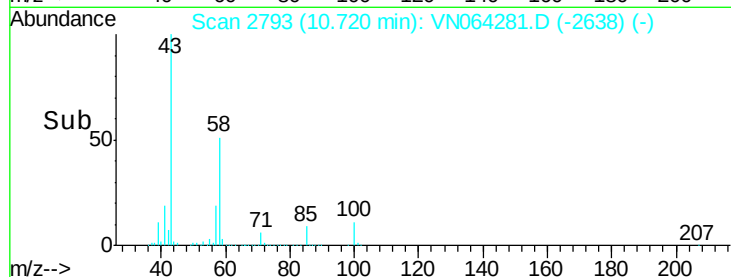
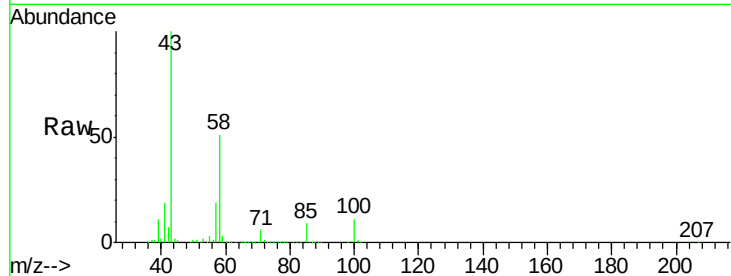
#59
2-Hexanone
Concen: 267.274 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.5	60.7
57	18.9	15.4	23.0

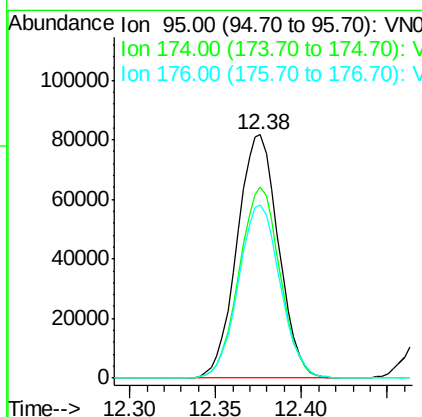
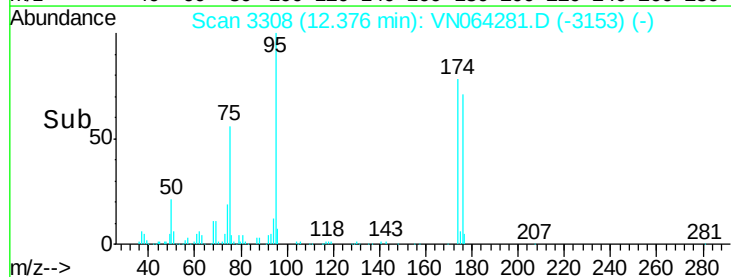
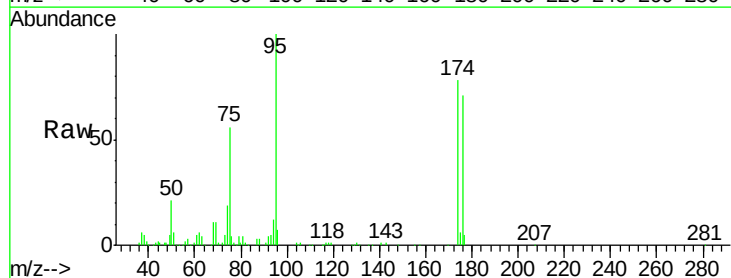
Manual Integrations
APPROVED

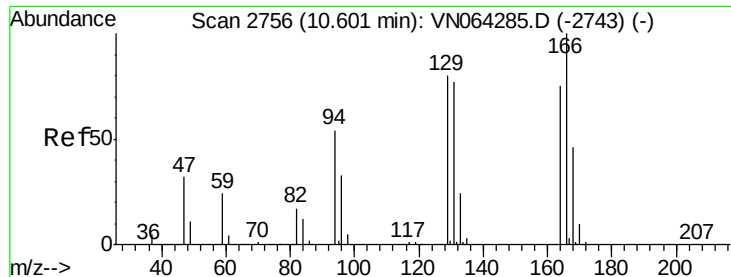
MMDadoda
10/26/2020 1:38:42 PM



#60
4-Bromofluorobenzene
Concen: 29.025 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	57.9	86.9
176	71.8	56.7	85.1





#61

Tetrachloroethene

Concen: 53.233 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 184899

Ion Ratio Lower Upper

164 100

166 126.4 107.4 161.0

129 103.1 84.3 126.5

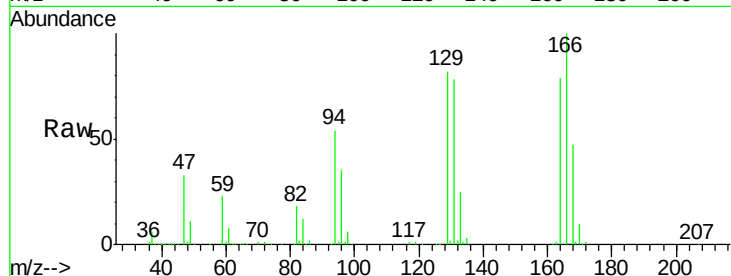
131 99.1 81.1 121.7

Manual Integrations

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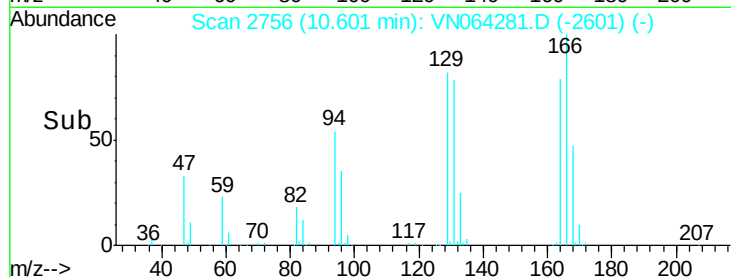
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

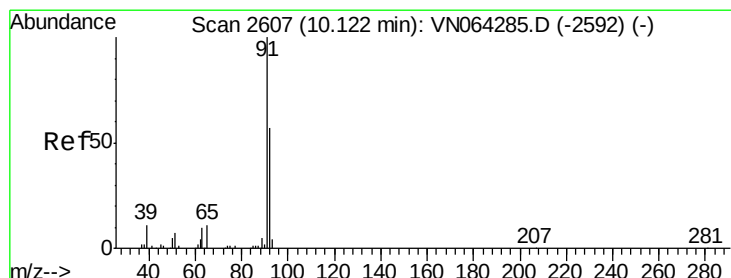
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



Time-->



#62

Toluene

Concen: 52.358 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064281.D

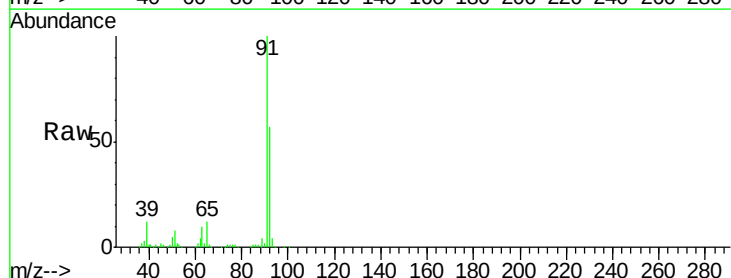
Acq: 23 Oct 2020 10:46

Tgt Ion: 91 Resp: 766611

Ion Ratio Lower Upper

91 100

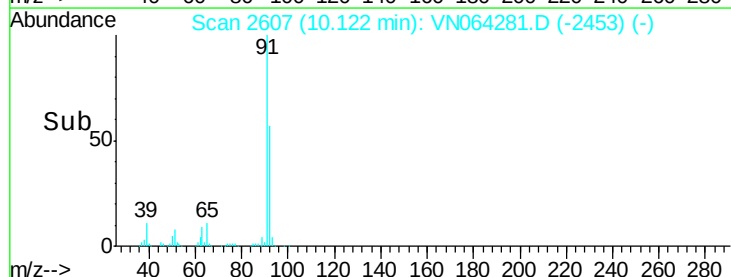
92 57.2 46.4 69.6



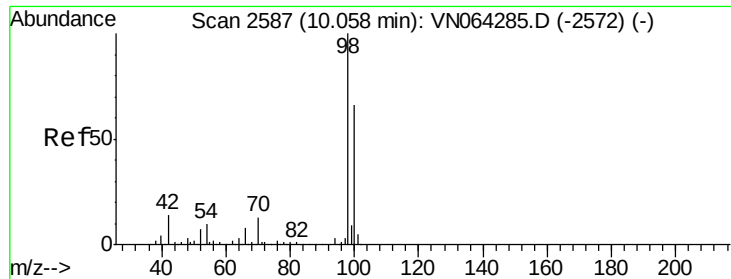
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Time-->



Time-->



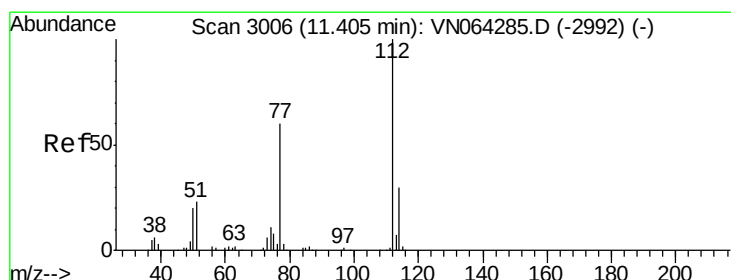
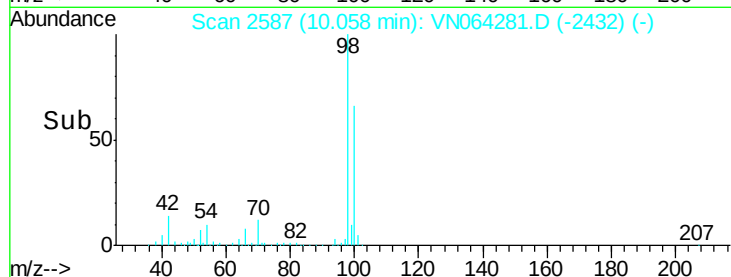
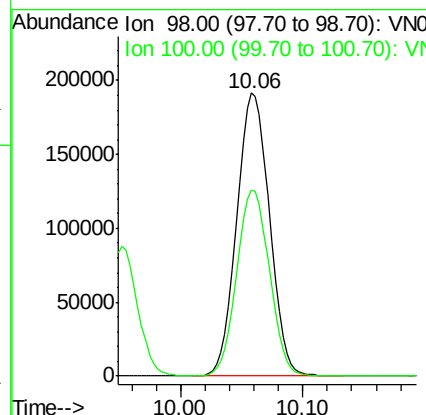
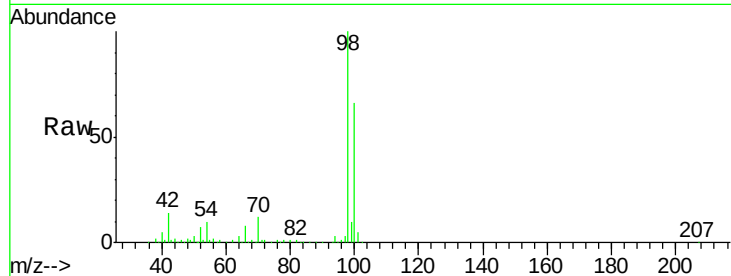
#63
Toluene-d8
Concen: 29.846 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 357141
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5

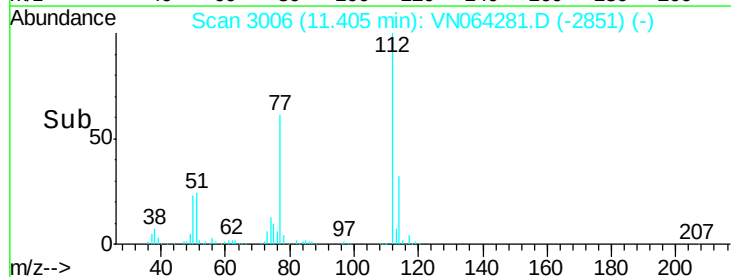
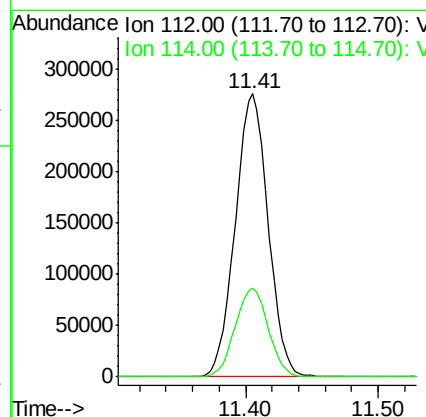
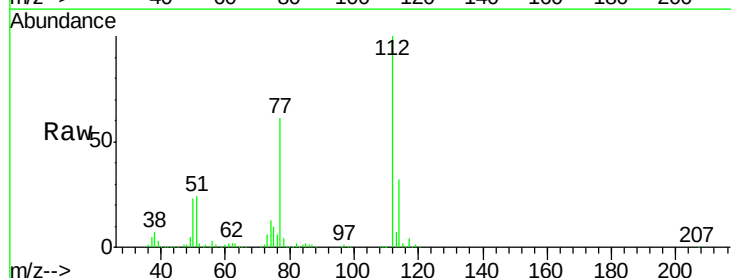
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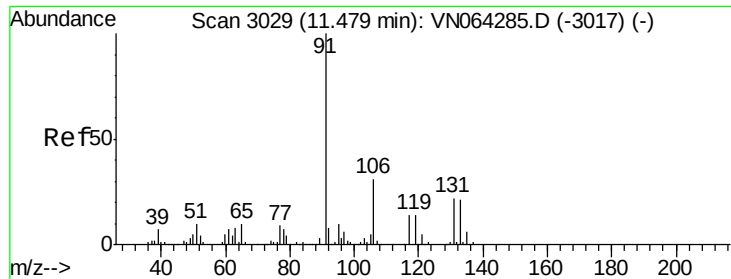
MMDadoda
10/26/2020 1:38:42 PM



#64
Chlorobenzene
Concen: 52.131 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 112 Resp: 474393
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7





#65

1,1,1,2-Tetrachloroethane

Concen: 53.113 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

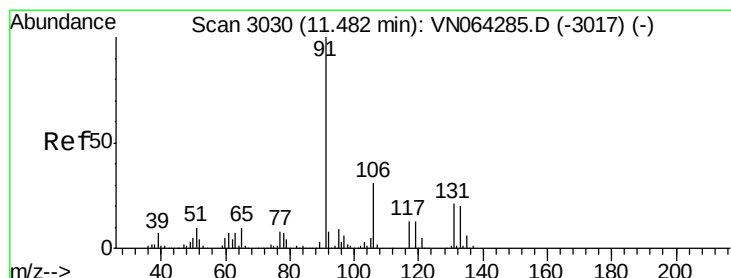
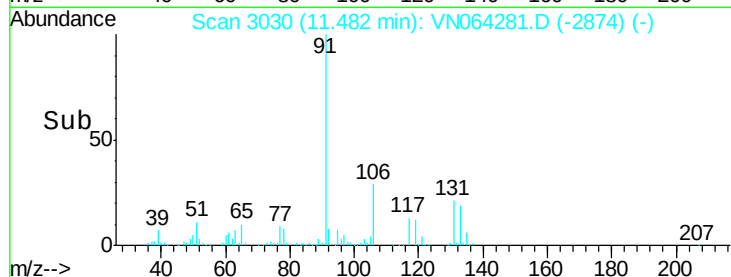
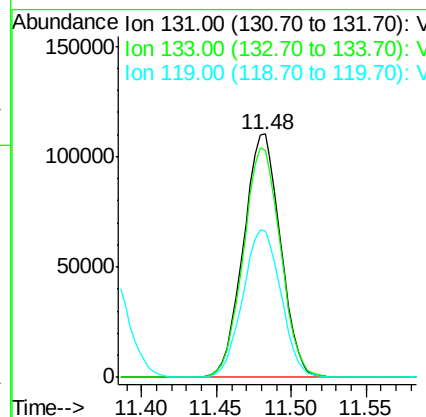
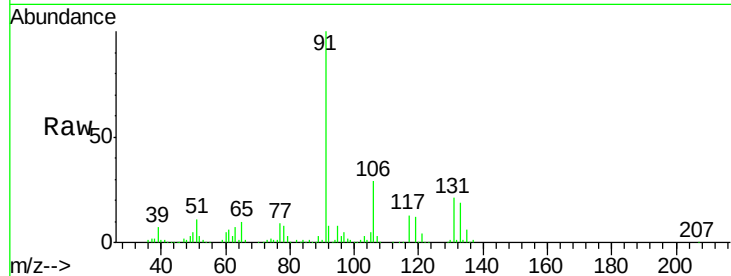
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	190502
Ion Ratio	Lower	Upper	
131	100		
133	94.8	0.0	193.4
119	62.3	0.0	125.2

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#66

Ethyl Benzene

Concen: 52.704 ug/l

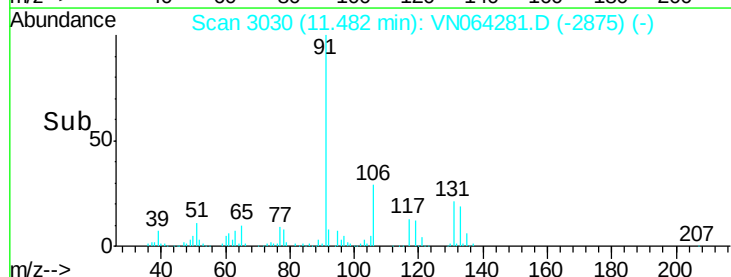
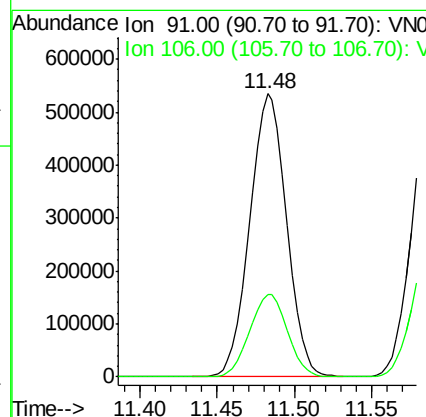
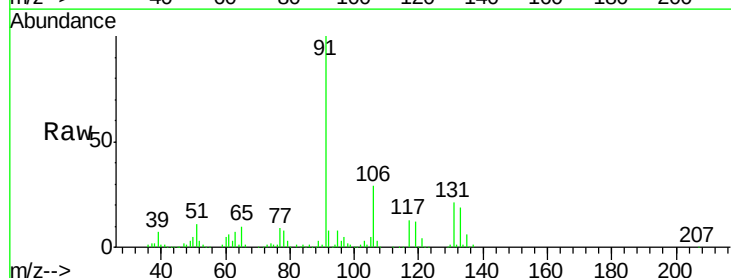
RT: 11.48 min Scan# 3030

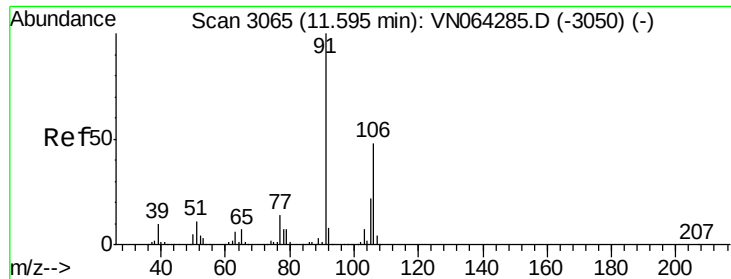
Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion:	91	Resp:	884472
Ion Ratio	Lower	Upper	
91	100		
106	29.3	23.8	35.6





#67

m/p-Xylenes

Concen: 104.192 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 651396

Ion Ratio Lower Upper

106 100

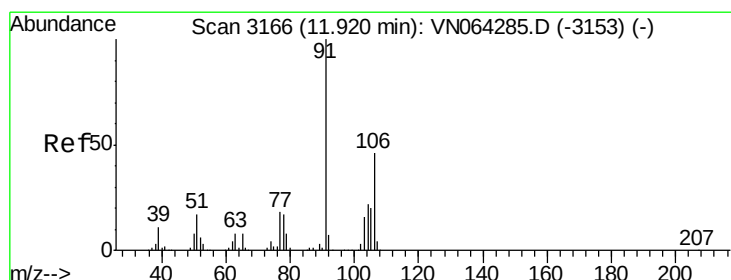
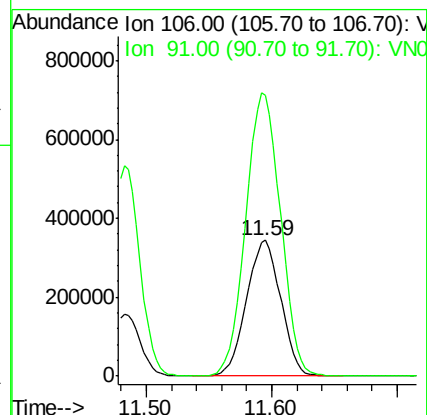
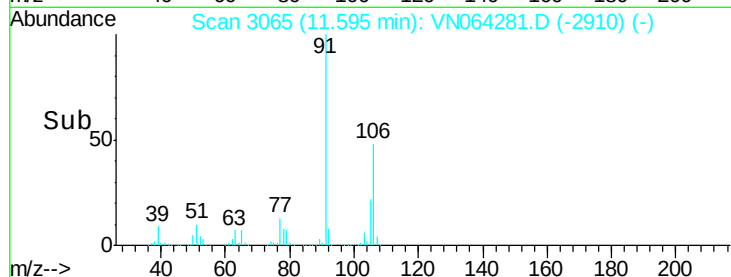
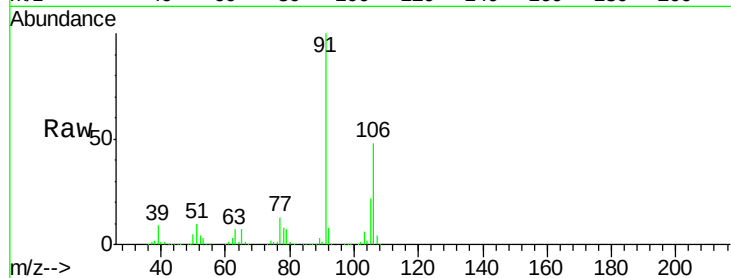
91 212.2 170.6 255.8

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#68

o-Xylene

Concen: 52.084 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064281.D

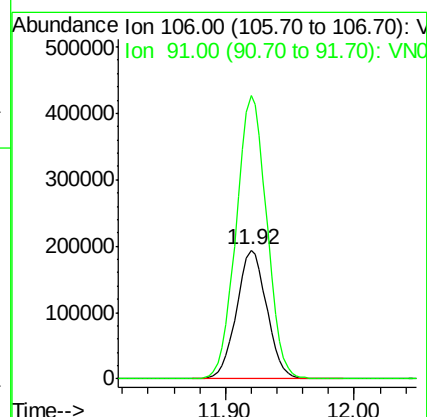
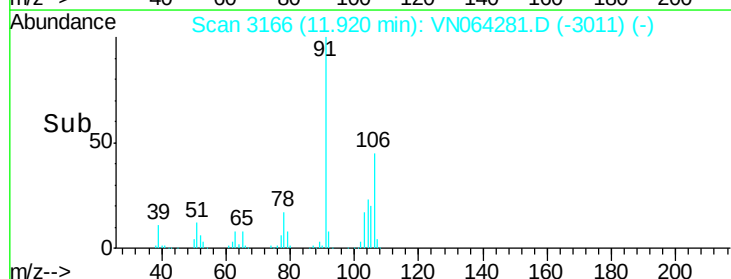
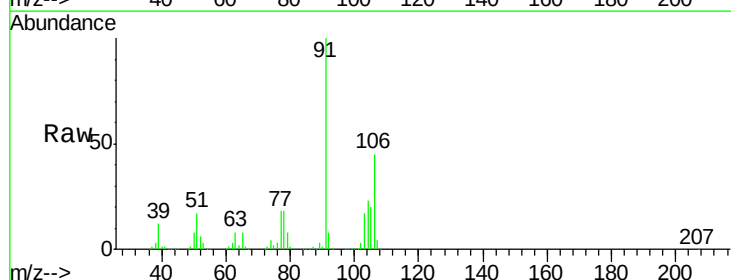
Acq: 23 Oct 2020 10:46

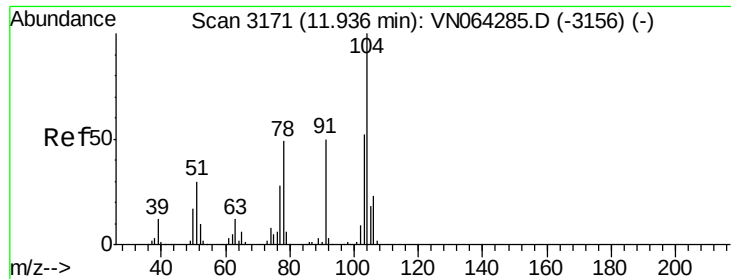
Tgt Ion:106 Resp: 315852

Ion Ratio Lower Upper

106 100

91 222.2 115.3 346.0





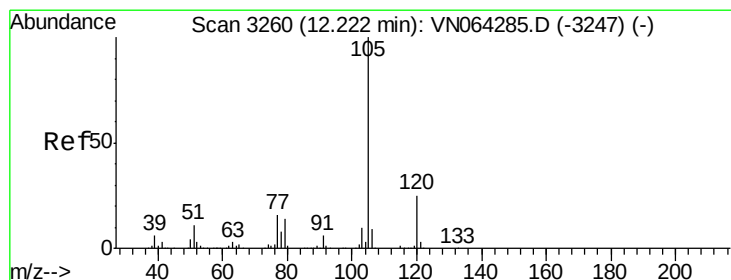
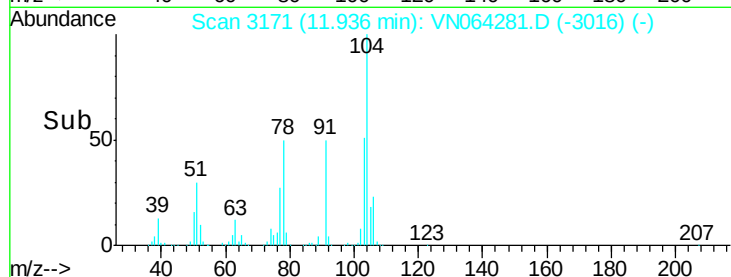
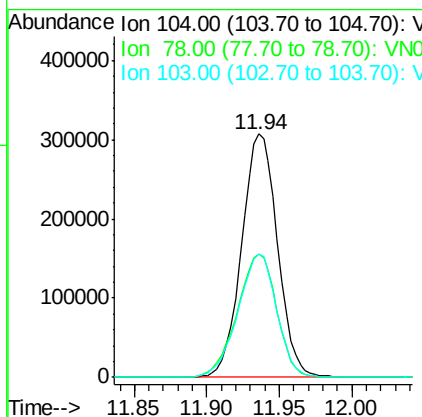
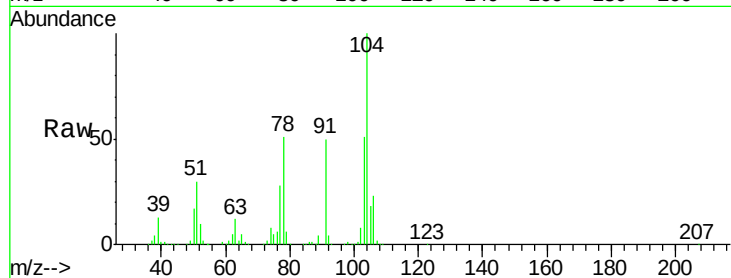
#69
Stvrene
Concen: 51.677 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	45.4	68.2
103	54.8	44.6	67.0

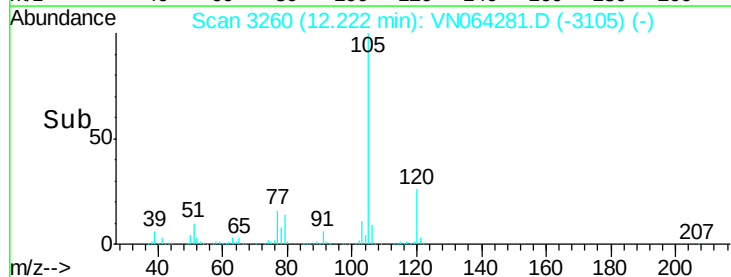
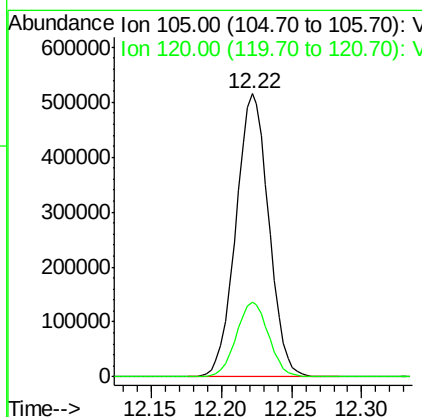
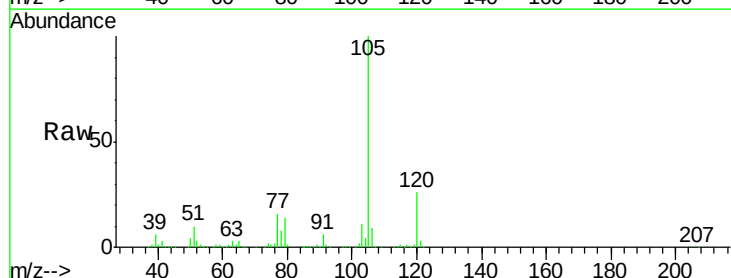
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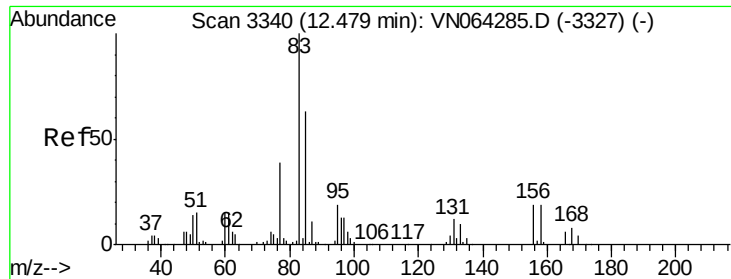
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#70
Isopropylbenzene
Concen: 52.509 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.6	34.5





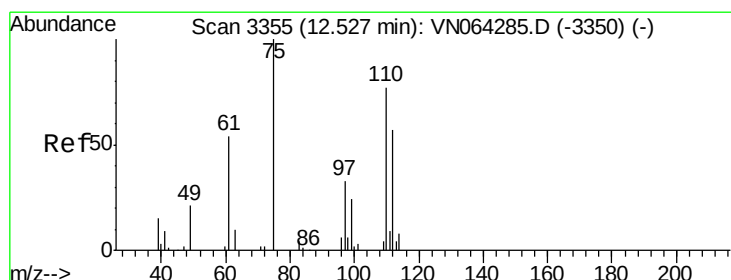
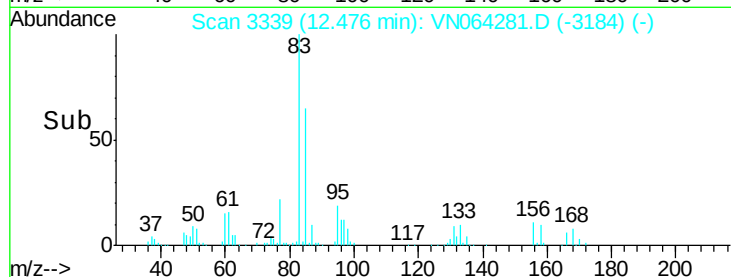
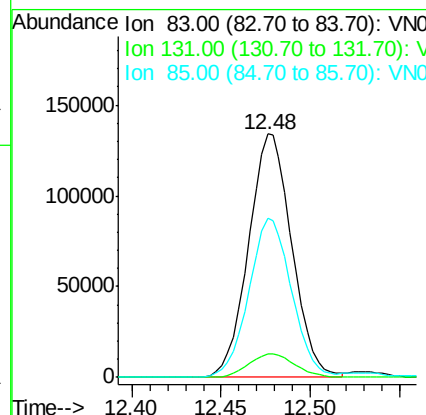
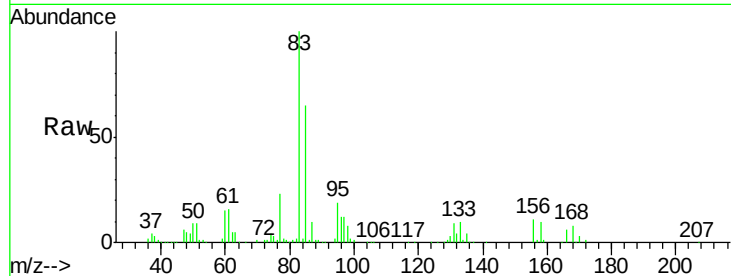
#71
 1,1,2,2-Tetrachloroethane
 Concen: 51.779 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	227332
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.7	17.0
85	64.7	33.3	99.8

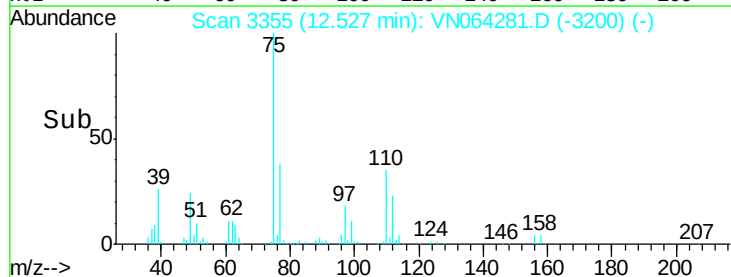
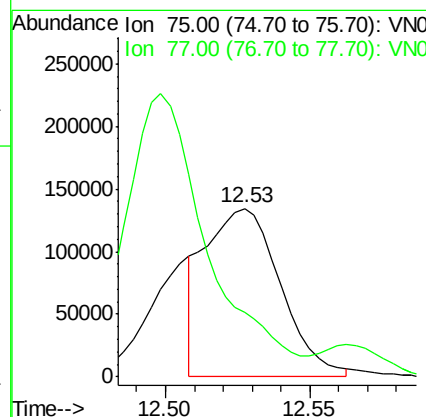
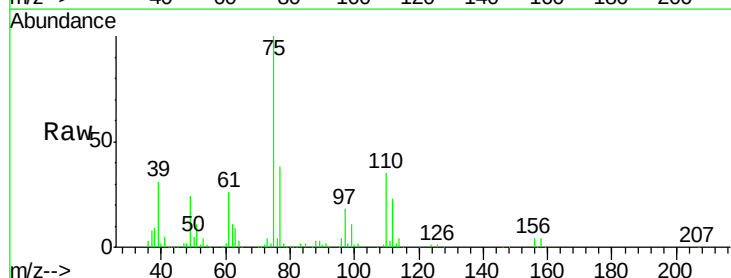
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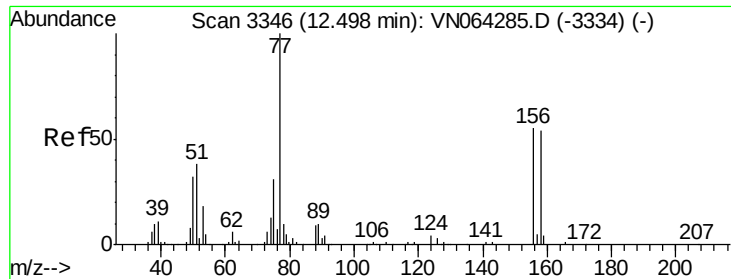
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#72
 1,2,3-Trichloropropane
 Concen: 52.605 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	75	Resp	243319
Ion Ratio	100	Lower	Upper
75	100		
77	185.2	0.0	365.2





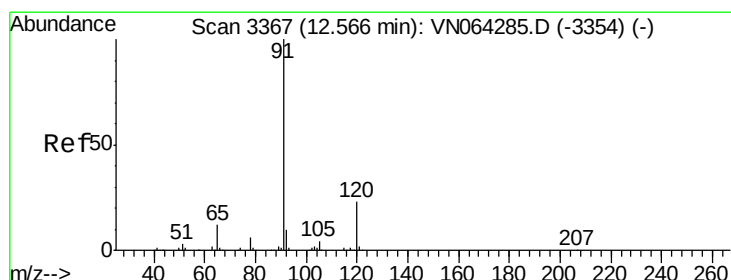
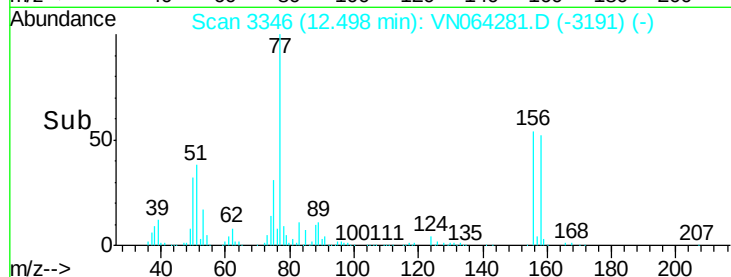
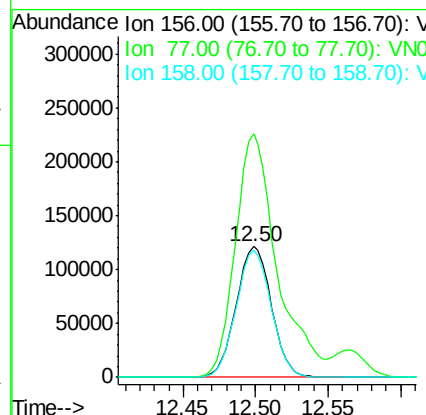
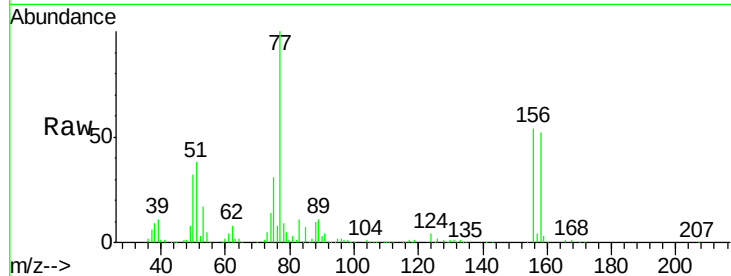
#73
Bromobenzene
Concen: 53.338 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.0	0.0	450.2
158	97.3	0.0	194.8

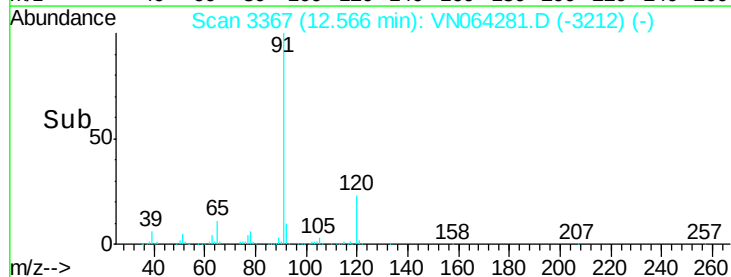
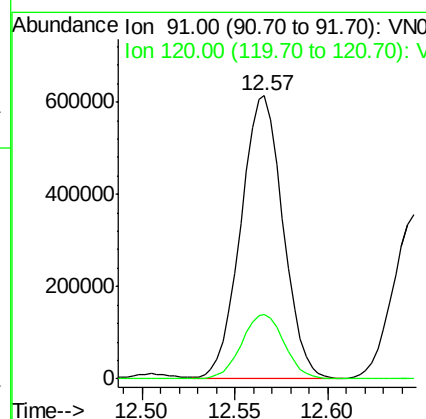
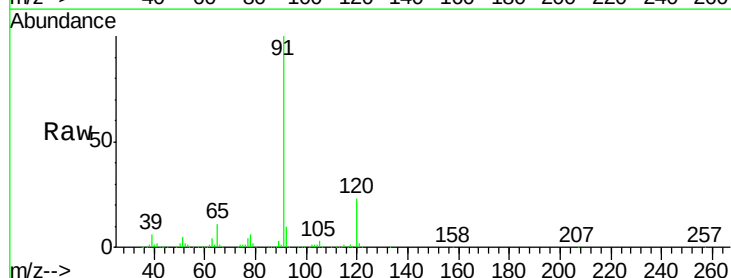
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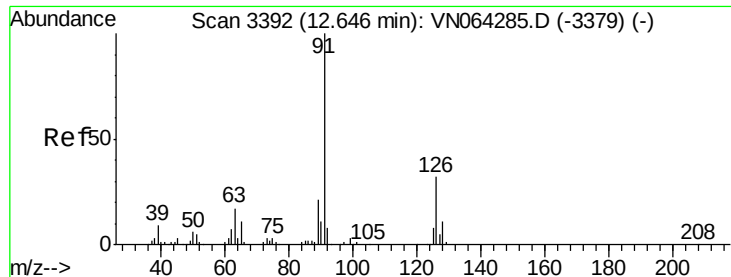
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#74
n-propylbenzene
Concen: 52.967 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	0.0	43.6





#75

2-Chlorotoluene

Concen: 52.800 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 596563

Ion Ratio Lower Upper

91 100

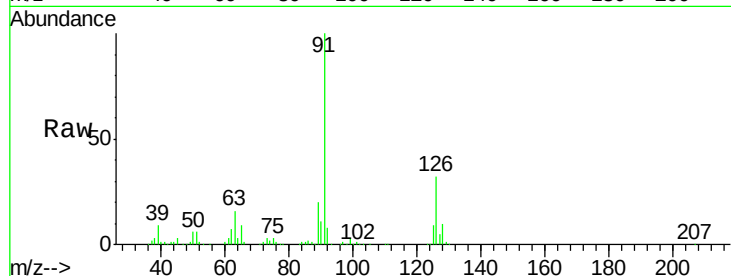
126 32.1 0.0 62.8

Manual Integrations

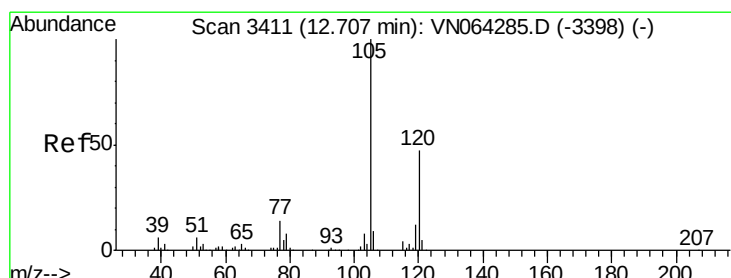
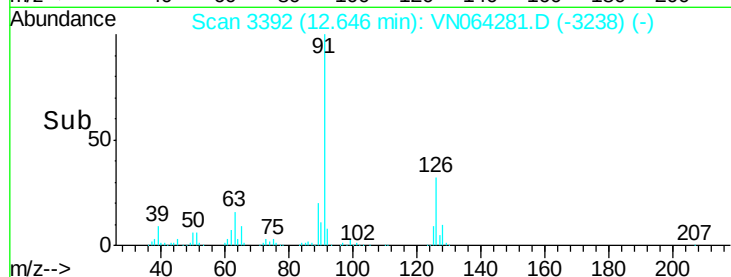
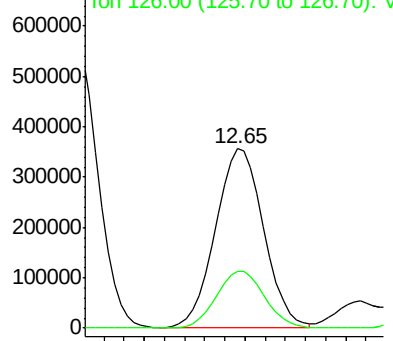
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Abundance Ion 91.00 (90.70 to 91.70): VN064281.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 51.984 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064281.D

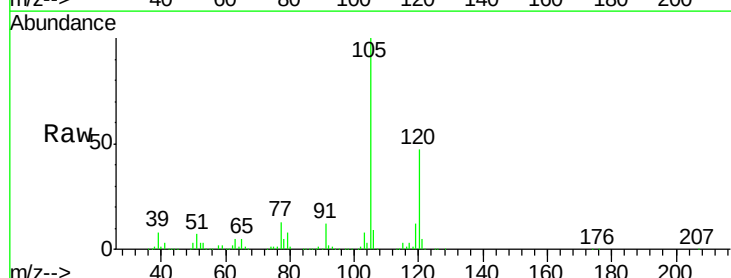
Acq: 23 Oct 2020 10:46

Tgt Ion: 105 Resp: 708223

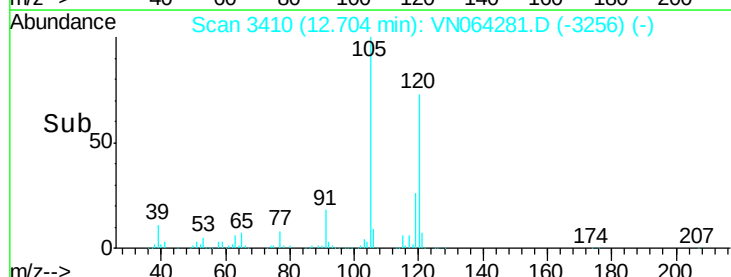
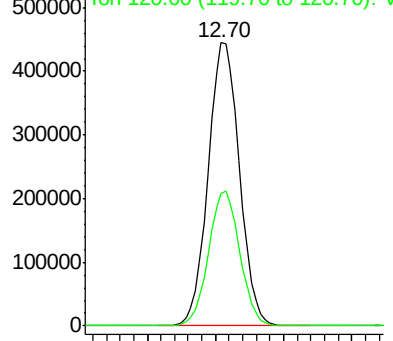
Ion Ratio Lower Upper

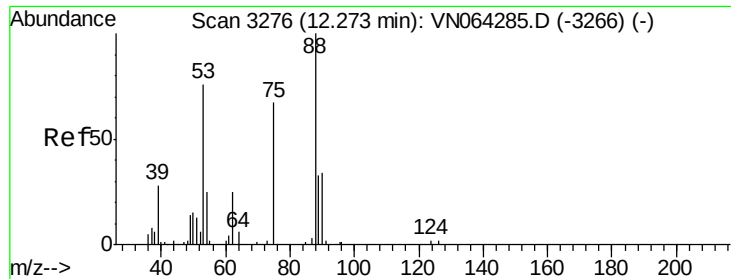
105 100

120 47.5 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064281.D (-3398) (-)





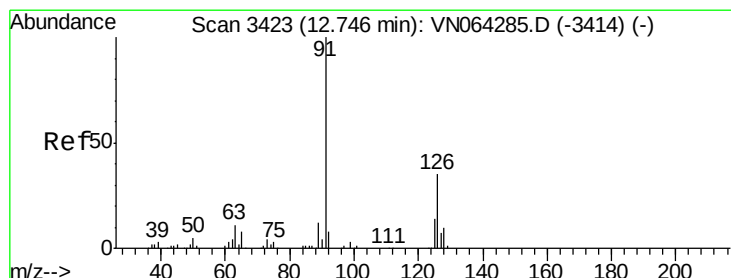
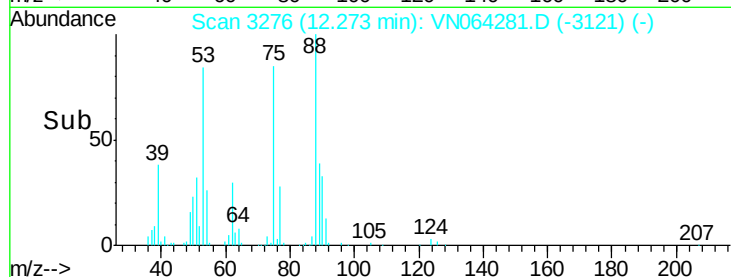
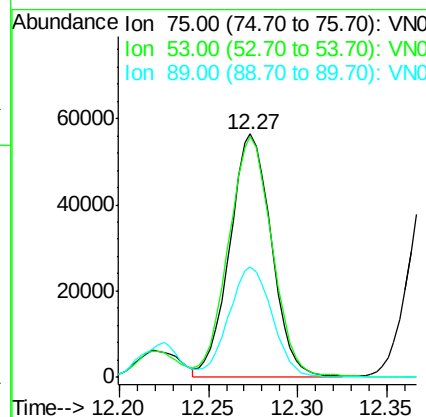
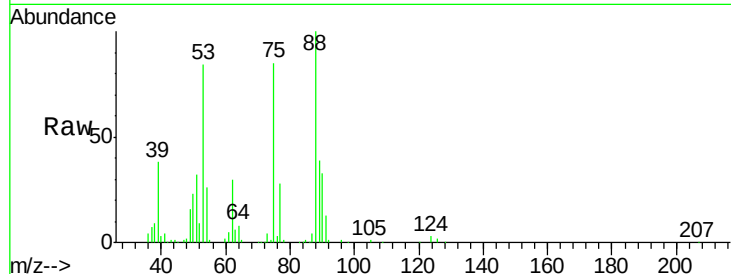
#77
t-1,4-Dichloro-2-butene
Concen: 51.277 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	44.8	134.3
89	45.4	22.2	66.6

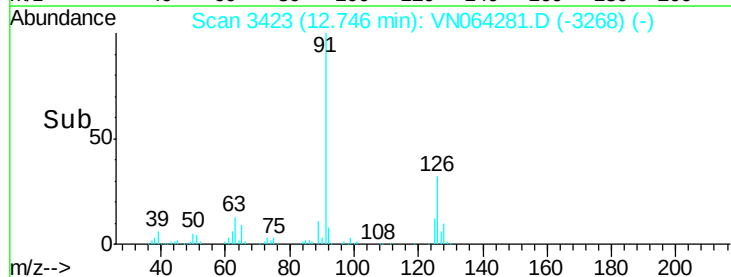
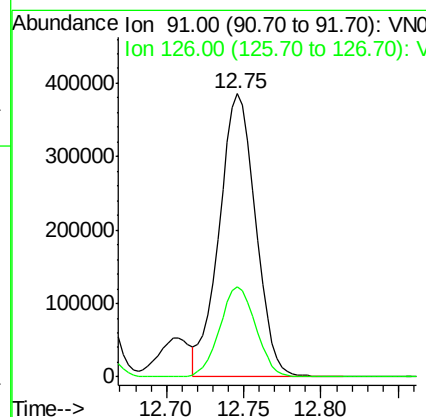
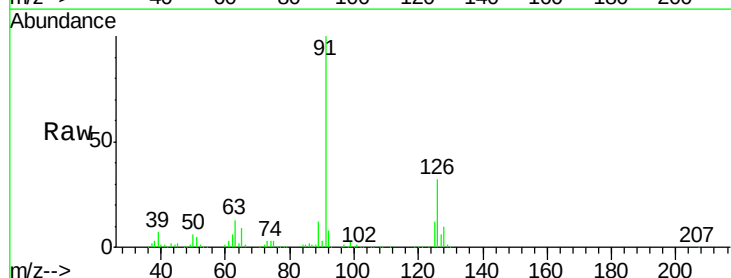
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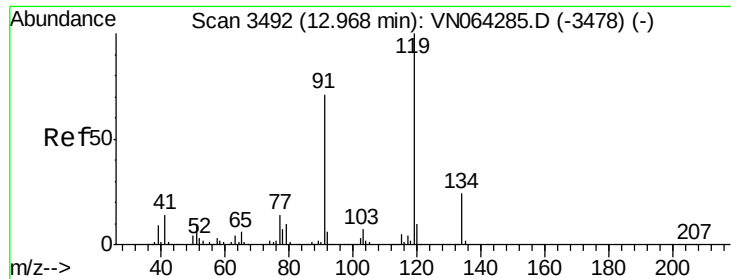
MMDadoda
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#78
4-Chlorotoluene
Concen: 53.041 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.2





#79

tert-butylbenzene

Concen: 52.306 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

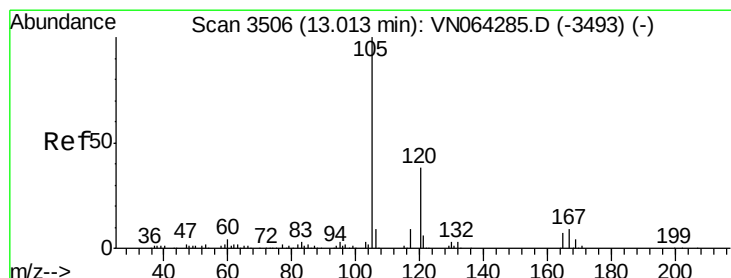
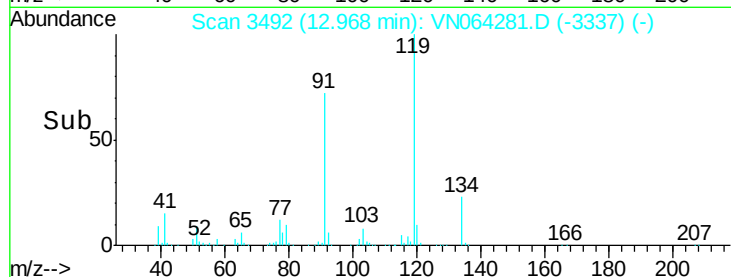
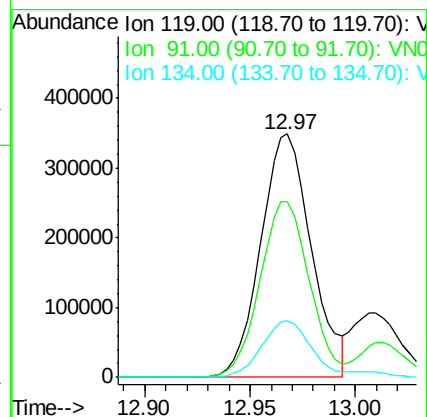
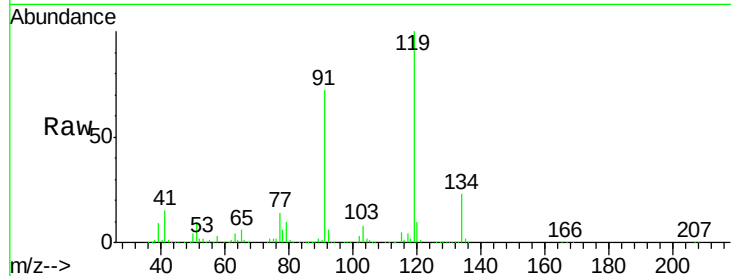
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	583302		
91	70.2		0.0	140.0
134	22.8		0.0	45.8

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#80

1,2,4-Trimethylbenzene

Concen: 52.955 ug/l

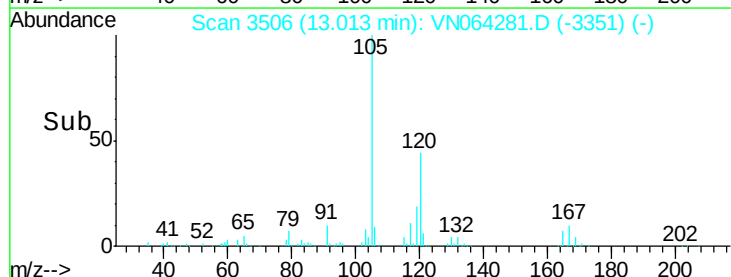
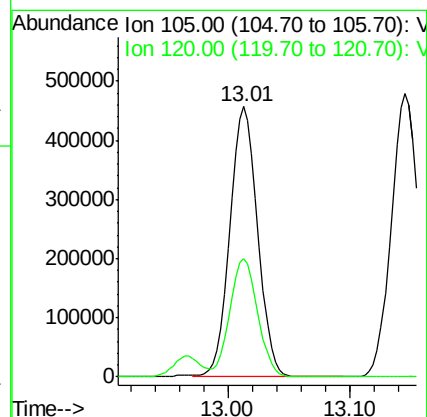
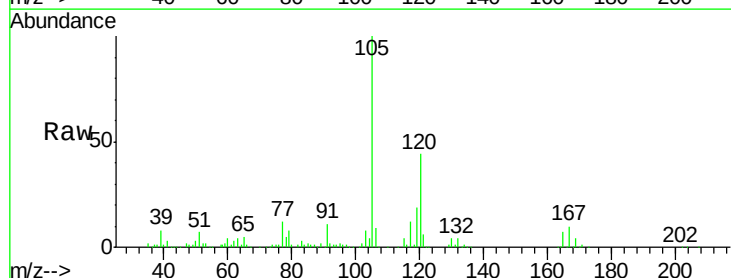
RT: 13.01 min Scan# 3506

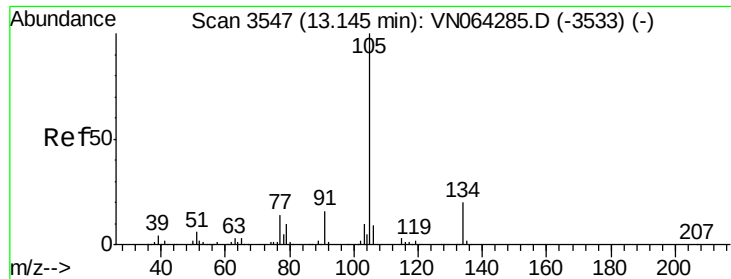
Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	728682		
120	43.9		0.0	87.4





#81

sec-Butylbenzene

Concen: 52.509 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 756307

Ion Ratio Lower Upper

105 100

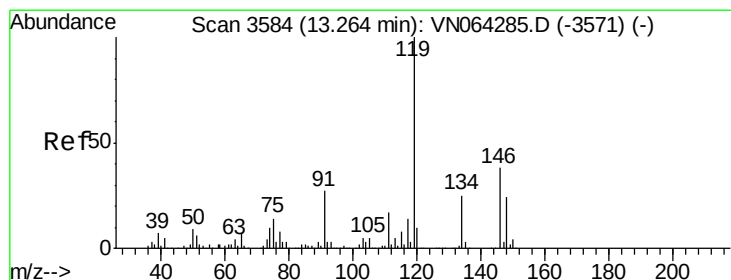
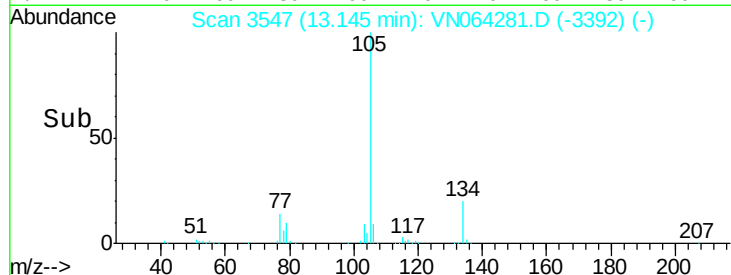
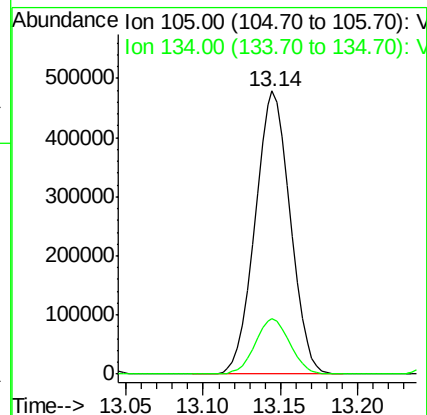
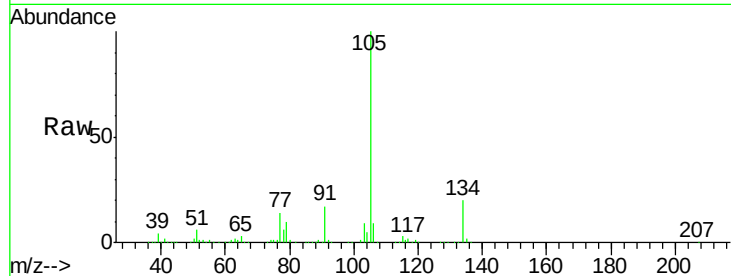
134 19.4 0.0 36.8

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#82

p-Isopropyltoluene

Concen: 52.194 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

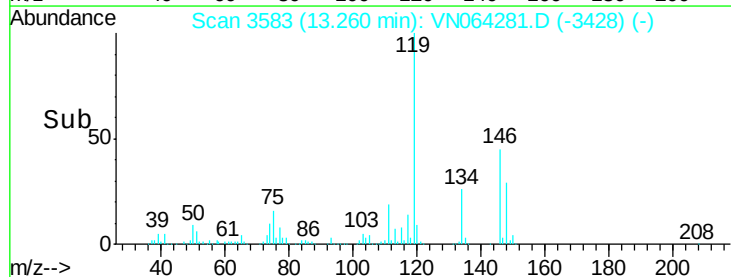
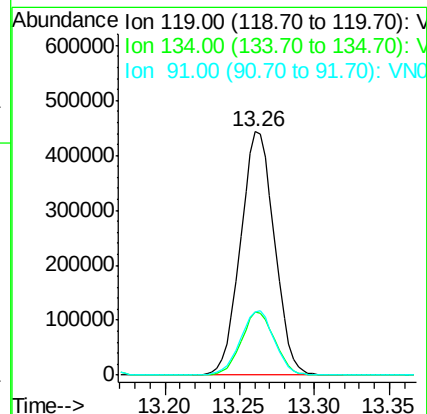
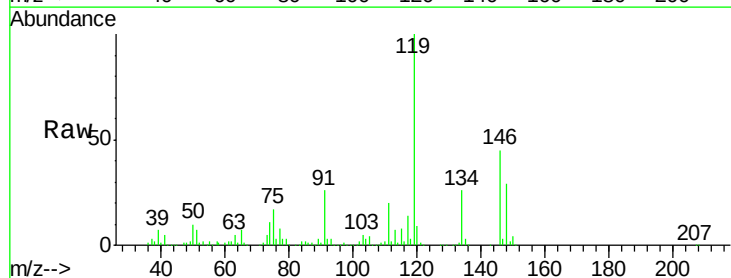
Tgt Ion:119 Resp: 697593

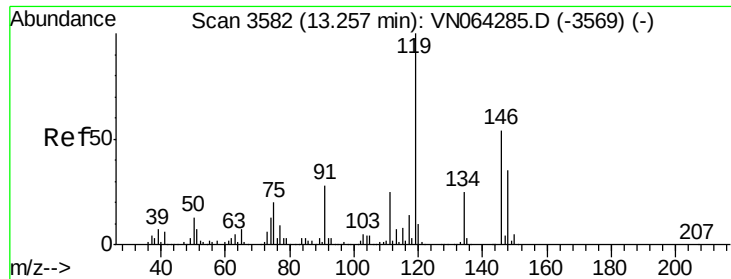
Ion Ratio Lower Upper

119 100

134 25.5 0.0 47.8

91 26.5 0.0 55.8





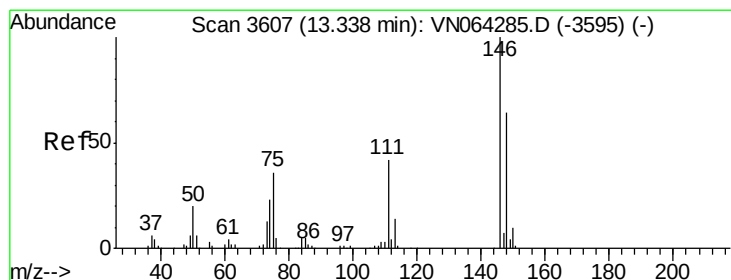
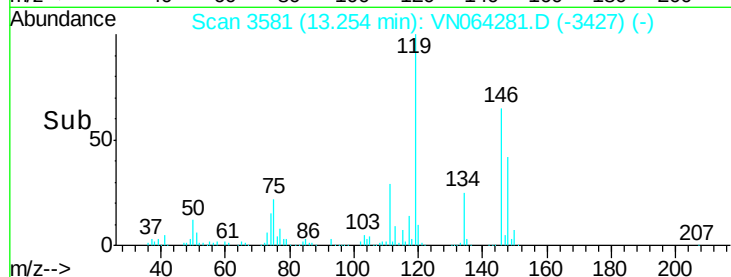
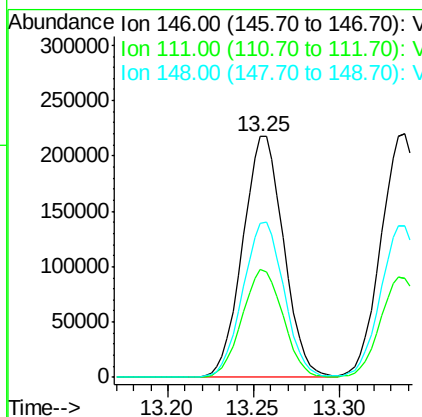
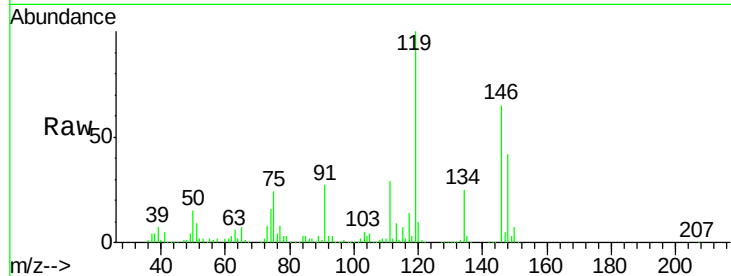
#83
 1,3-Dichlorobenzene
 Concen: 51.970 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	360301		
111	44.7	22.1	66.5	
148	64.4	31.9	95.5	

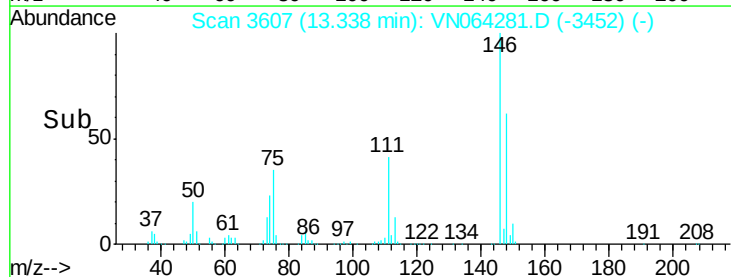
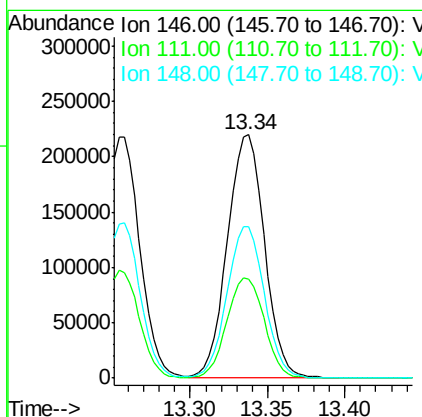
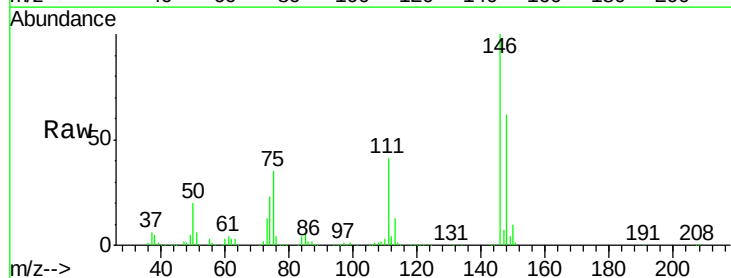
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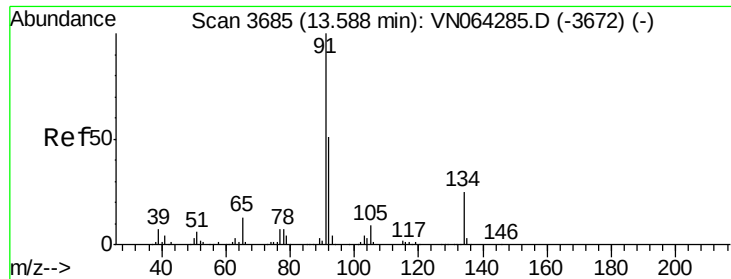
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#84
 1,4-Dichlorobenzene
 Concen: 53.063 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	366026		
111	41.8	20.3	61.0	
148	62.9	31.4	94.3	





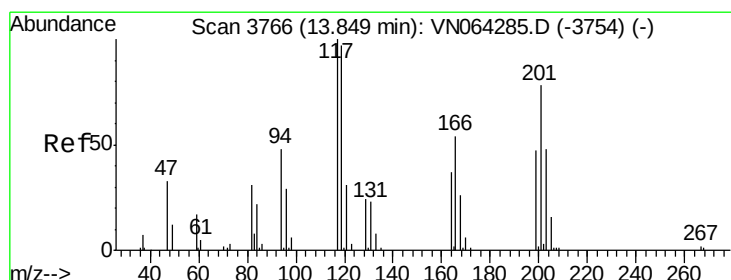
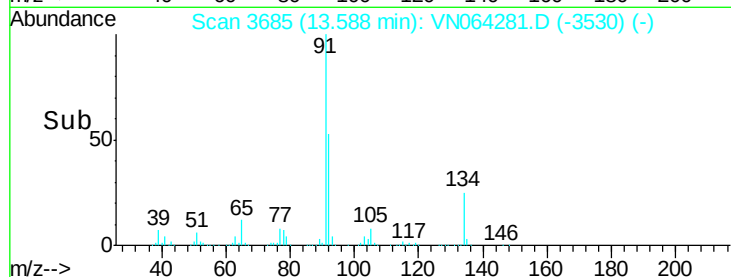
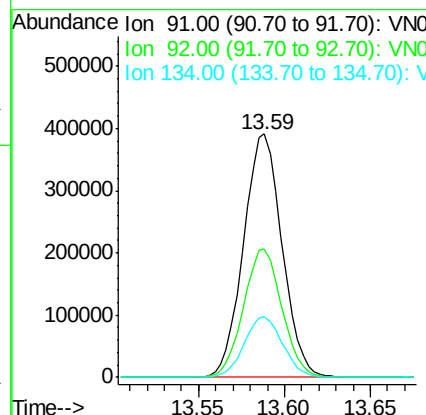
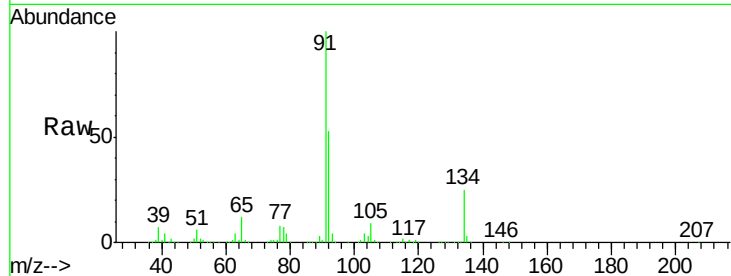
#85
n-Butylbenzene
Concen: 51.453 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	608628		
92	52.5		0.0	110.0
134	24.9		0.0	51.6

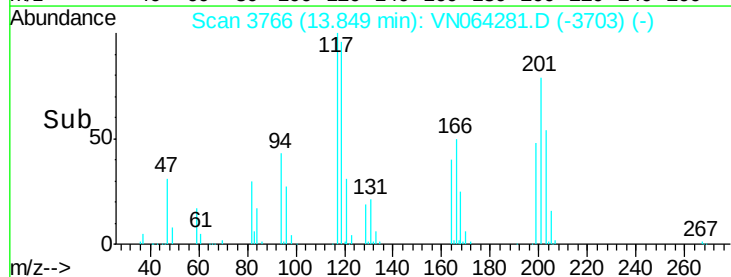
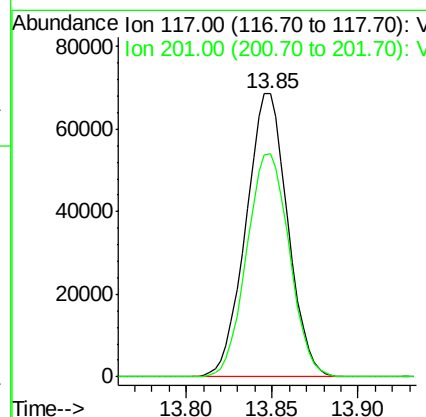
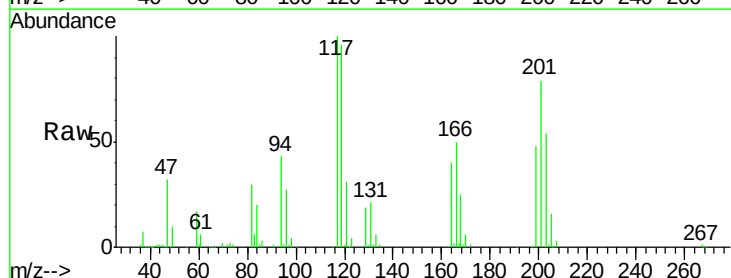
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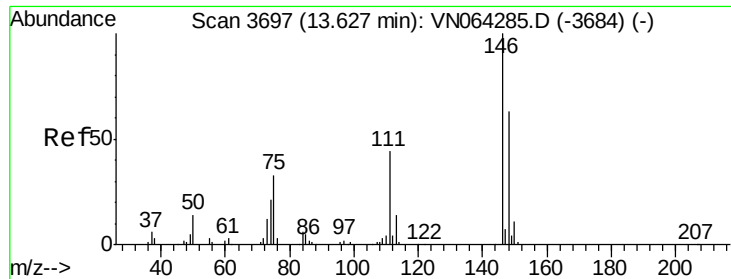
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#86
Hexachloroethane
Concen: 50.468 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	115450		
201	80.3		37.2	111.6





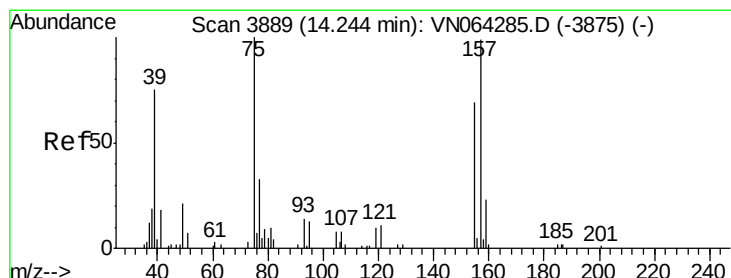
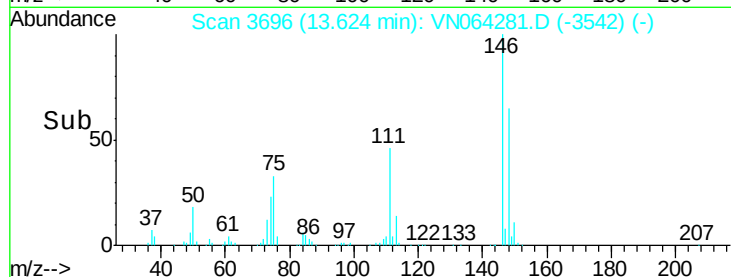
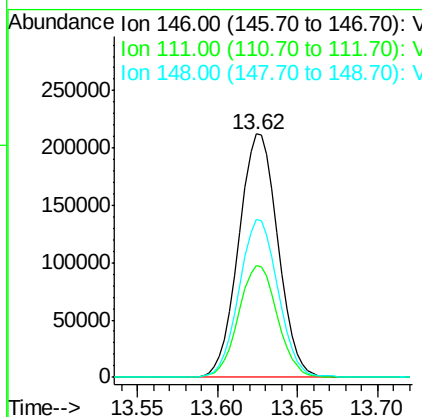
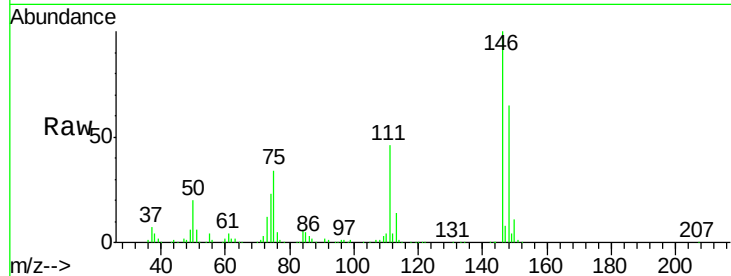
#87
 1,2-Dichlorobenzene
 Concen: 52.539 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.1	69.3
148	64.6	32.3	96.8

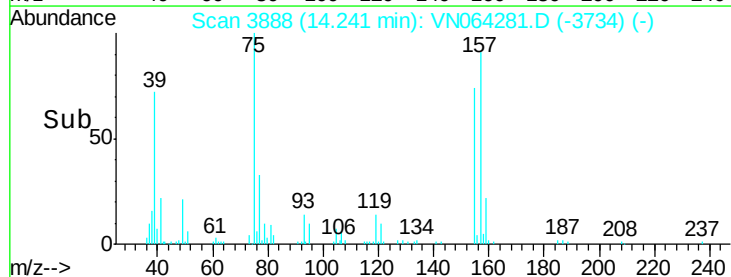
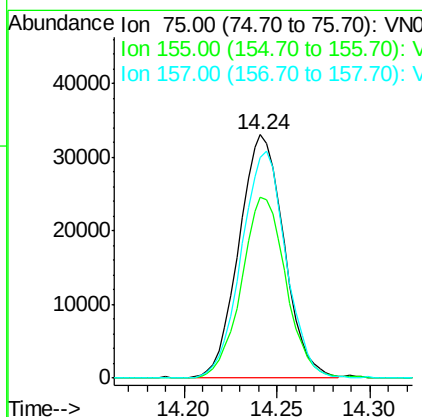
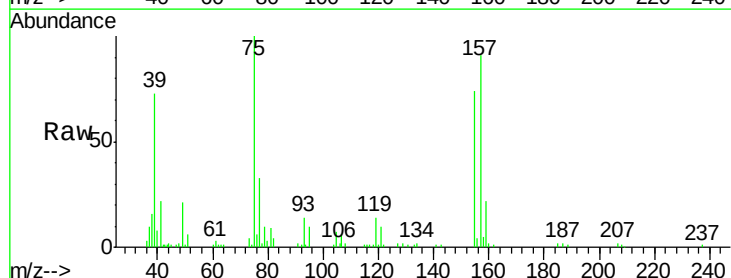
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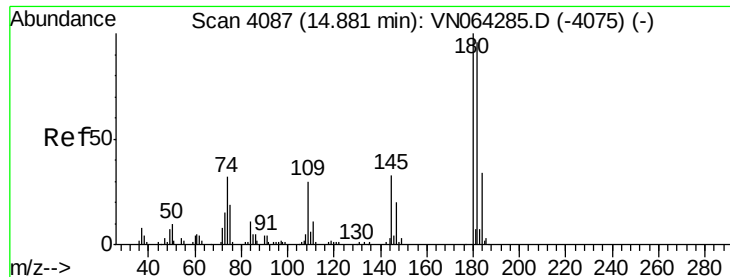
MMDadoda
 10/26/2020 1:38:42 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 49.904 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	56.6	84.8
157	91.8	70.1	105.1





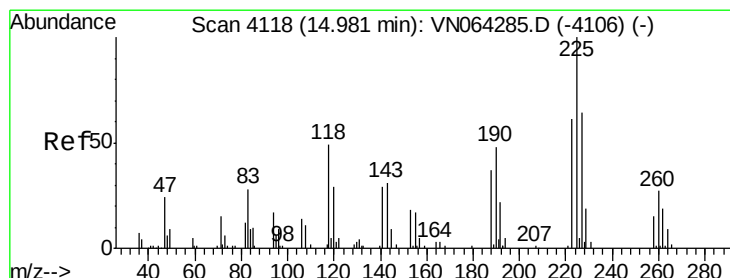
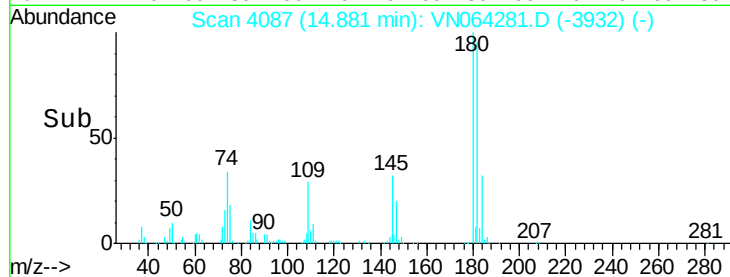
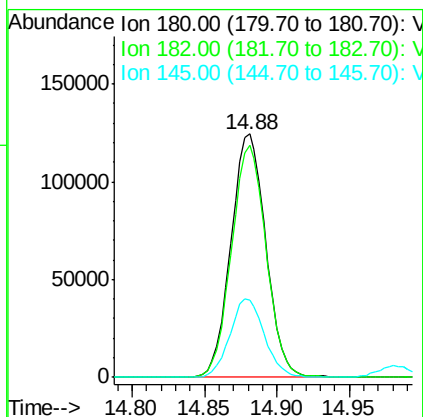
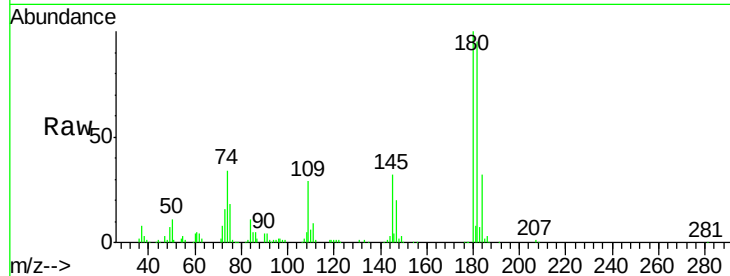
#89
 1,2,4-Trichlorobenzene
 Concen: 52.024 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207493		
182	94.6	71.3	106.9	
145	31.9	23.9	35.9	

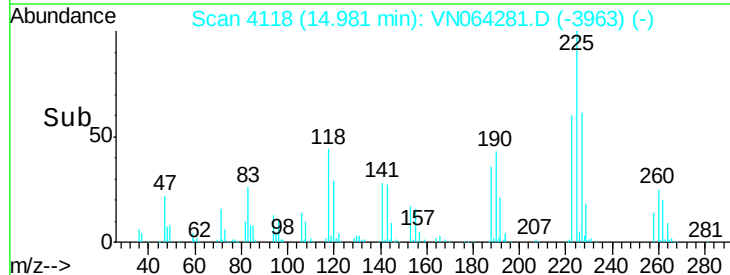
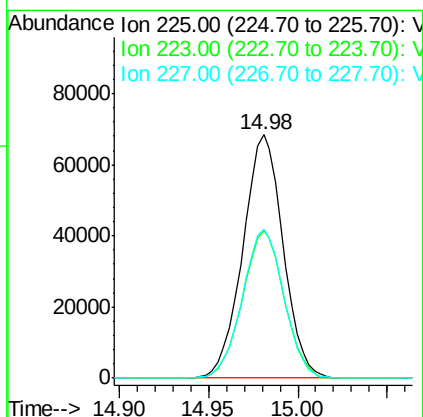
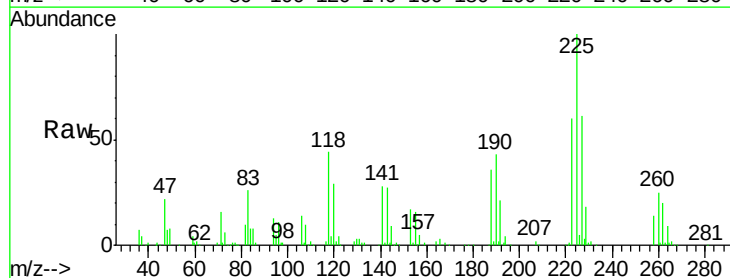
Manual Integrations
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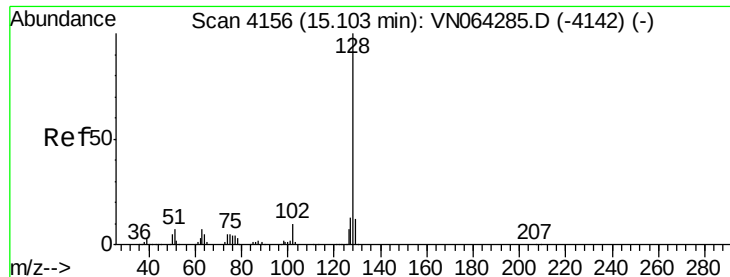
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#90
 Hexachlorobutadiene
 Concen: 52.279 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107923		
223	62.0	0.0	129.8	
227	62.8	0.0	128.6	





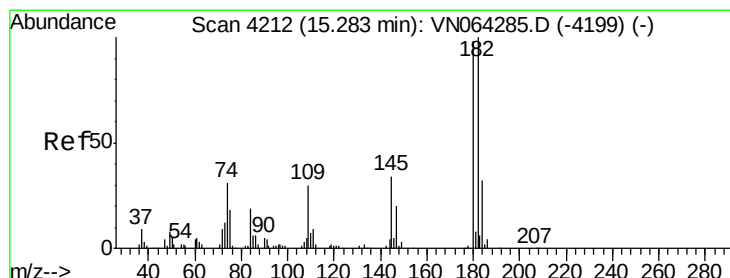
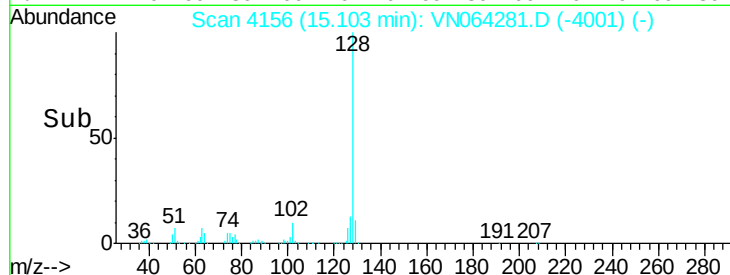
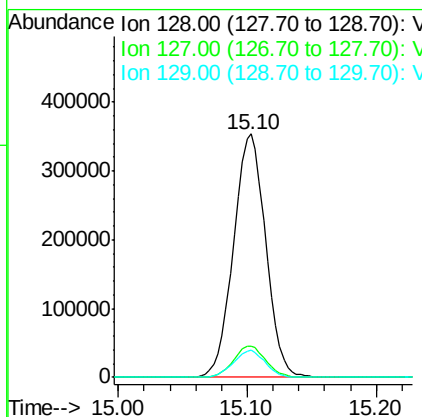
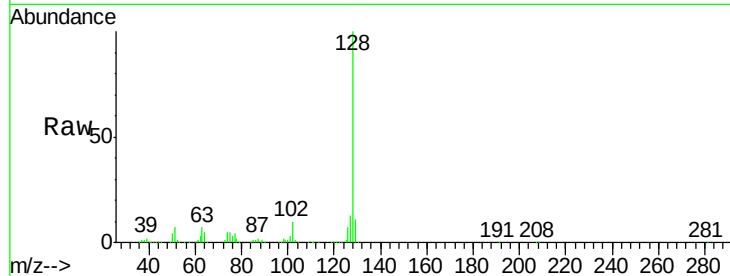
#91
Naphthalene
Concen: 50.650 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	613332		
127	12.9		9.9	14.9
129	11.0		8.3	12.5

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 51.690 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	197735		
182	93.2		0.0	188.8
145	33.5		0.0	70.0

