

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064279.D
 Acq On : 23 Oct 2020 9:58
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:35 PM

Quant Time: Oct 23 12:10:22 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	47904	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	274544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	246767	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	131906	33.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.13%#
60) 4-Bromofluorobenzene	12.37	95	132791	30.22	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.73%
63) Toluene-d8	10.06	98	330516	29.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	12189	3.878 ug/l	94
3) Chloromethane	2.04	50	14496	4.492 ug/l	99
4) Vinyl Chloride	2.16	62	15363	4.848 ug/l	94
5) Bromomethane	2.53	94	11766	6.031 ug/l	95
6) Chloroethane	2.68	64	9406	5.098 ug/l	93
7) Trichlorofluoromethane	2.99	101	27583	5.411 ug/l	93
8) Diethyl Ether	3.37	74	9536	5.528 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.73	101	13701m	5.087 ug/l	
10) 1,1-Dichloroethene	3.70	96	12788	4.837 ug/l	88
11) Methyl Iodide	3.91	142	16712	4.424 ug/l	96
12) Methyl Acetate	4.27	43	15243m	5.418 ug/l	
13) Acrolein	3.57	56	7426m	24.375 ug/l	
14) Acrylonitrile	4.93	53	28153	24.910 ug/l #	51
15) Acetone	3.78	58	10292	32.118 ug/l	86
16) Carbon Disulfide	4.01	76	37409	4.983 ug/l #	94
17) Allyl chloride	4.27	41	24917	5.111 ug/l	93
18) Methylene Chloride	4.50	84	16360m	5.387 ug/l	
19) trans-1,2-Dichloroethene	4.99	96	15692m	5.498 ug/l	
20) Diisopropyl ether	5.89	45	45738	5.023 ug/l	95
21) 1,1-Dichloroethane	5.79	63	27345	4.932 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	17141	5.149 ug/l #	87
23) tert-Butyl Alcohol	4.73	59	13996m	26.523 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	46922	5.362 ug/l #	61
25) Chloroform	7.32	83	32645	5.631 ug/l	98
26) Cyclohexane	7.60	56	22012m	5.017 ug/l	
29) 1,1-Dichloropropene	7.75	75	22499	5.105 ug/l	98
30) 2-Butanone	6.78	43	50185	26.894 ug/l	99
31) 2,2-Dichloropropane	6.77	77	29670	5.271 ug/l #	68
32) 1,1,1-Trichloroethane	7.52	97	29829	5.285 ug/l	96
33) Carbon Tetrachloride	7.72	117	25416	4.971 ug/l	88
34) Benzene	8.00	78	62179	5.058 ug/l #	72
35) Methacrylonitrile	7.13	41	10285m	5.182 ug/l	
36) 1,2-Dichloroethane	8.08	62	28030	5.528 ug/l #	95
37) Trichloroethene	8.80	130	17333	5.128 ug/l	85
38) Methylcyclohexane	9.05	83	21423	5.100 ug/l	94
39) 1,2-Dichloropropane	9.08	63	16499	4.999 ug/l	99
40) Dibromomethane	9.17	93	11768	5.093 ug/l	90

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA_N
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 VSTDIC005

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

41) Bromodichloromethane	9.37	83	24886	5.030	ug/l	86
42) Vinyl Acetate	5.84	43	212929	24.539	ug/l #	90
43) Ethyl Acetate	6.88	43	21786	5.495	ug/l #	75
44) Isopropyl Acetate	8.12	43	36698	4.828	ug/l #	62
45) 1,4-Dioxane	9.16	88	4596	102.373	ug/l	97
46) Methyl methacrylate	9.16	41	16050	4.399	ug/l	91
47) n-amyl Acetate	12.05	43	28854	4.278	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	26954	4.819	ug/l	94
49) cis-1,3-Dichloropropene	9.80	75	29539	5.129	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	15294	4.997	ug/l	96
51) Ethyl methacrylate	10.40	69	22071	4.619	ug/l	90
52) 1,3-Dichloropropane	10.68	76	27077	5.117	ug/l	96
53) Dibromochloromethane	10.87	129	18257	4.805	ug/l	90
54) 1,2-Dibromoethane	10.97	107	16062	4.958	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	64193	29.444	ug/l	98
56) Bromoform	12.10	173	13034	4.898	ug/l	92
58) 4-Methyl-2-Pentanone	9.95	43	97896	24.049	ug/l	98
59) 2-Hexanone	10.72	43	78505	25.962	ug/l	93
61) Tetrachloroethene	10.60	164	17489	5.407	ug/l	91
62) Toluene	10.12	91	68369	5.014	ug/l	98
64) Chlorobenzene	11.40	112	40844	4.820	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	17134	5.130	ug/l	95
66) Ethyl Benzene	11.48	91	78392	5.016	ug/l	96
67) m/p-Xylenes	11.59	106	56860	9.766	ug/l	99
68) o-Xylene	11.92	106	28044	4.966	ug/l	95
69) Styrene	11.94	104	43695	4.588	ug/l	97
70) Isopropylbenzene	12.22	105	73066	4.909	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.48	83	19470	4.762	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	21849m	5.072	ug/l	
73) Bromobenzene	12.50	156	17472	4.886	ug/l	98
74) n-propylbenzene	12.57	91	81410	4.776	ug/l	99
75) 2-Chlorotoluene	12.65	91	52639	5.003	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	61423	4.841	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	6988	4.175	ug/l	91
78) 4-Chlorotoluene	12.75	91	50951	4.611	ug/l	98
79) tert-butylbenzene	12.96	119	49509	4.767	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	61534	4.802	ug/l	99
81) sec-Butylbenzene	13.14	105	64589	4.815	ug/l	97
82) p-Isopropyltoluene	13.26	119	57875	4.650	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	29491	4.568	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	30887	4.808	ug/l	99
85) n-Butylbenzene	13.59	91	51117	4.640	ug/l	91
86) Hexachloroethane	13.85	117	9775	4.589	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	29089	4.619	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	4282	4.093	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	14791	3.982	ug/l	99
90) Hexachlorobutadiene	14.98	225	10100	5.254	ug/l	98
91) Naphthalene	15.11	128	40529	3.594	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	13856	3.890	ug/l	99

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

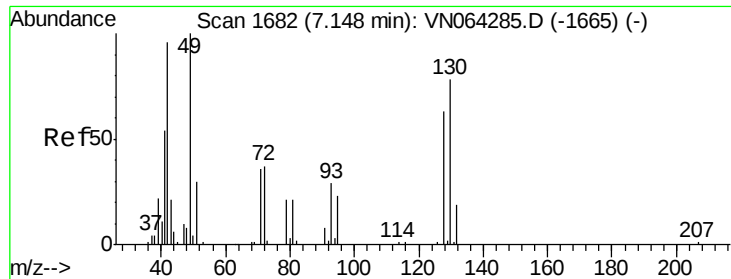
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

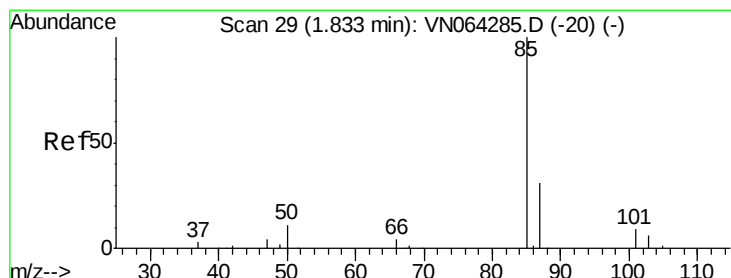
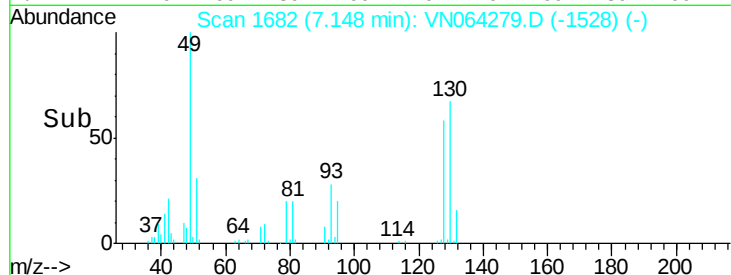
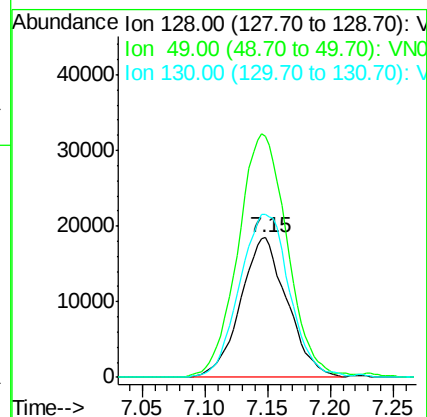
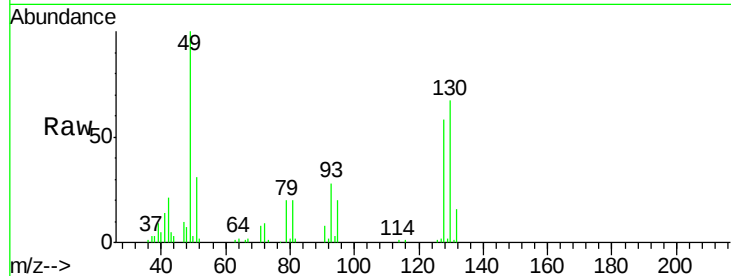
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	183.1	0.0	445.0
130	124.7	0.0	320.2

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#2

Dichlorodifluoromethane

Concen: 3.878 ug/l

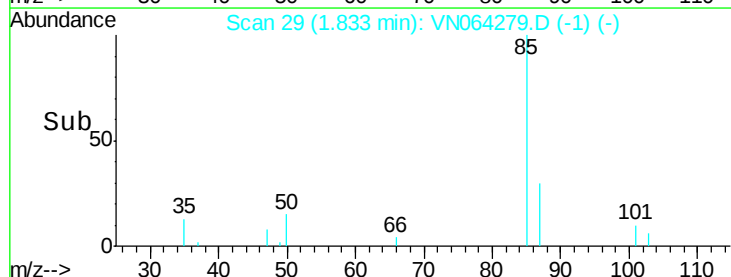
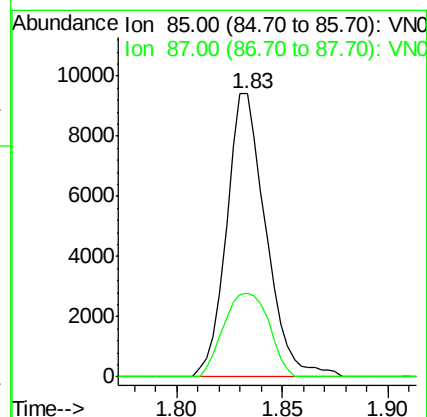
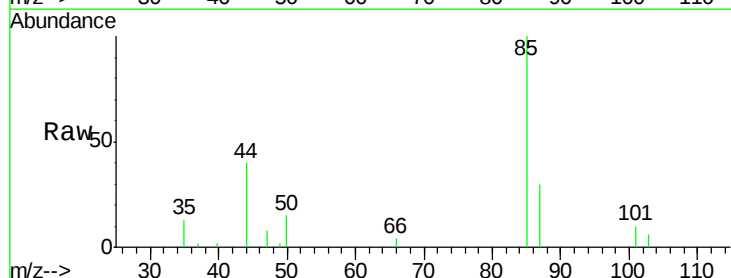
RT: 1.83 min Scan# 29

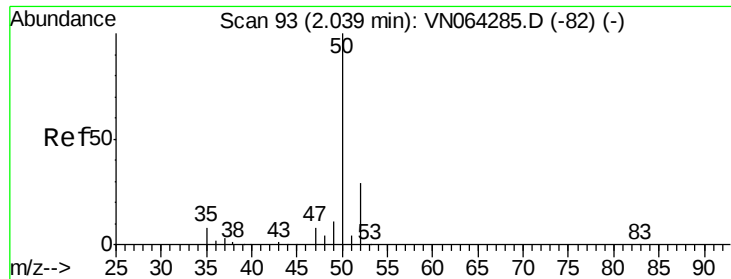
Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.7	16.4	49.2





#3

Chloromethane

Concen: 4.492 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 14496

Ion Ratio Lower Upper

50 100

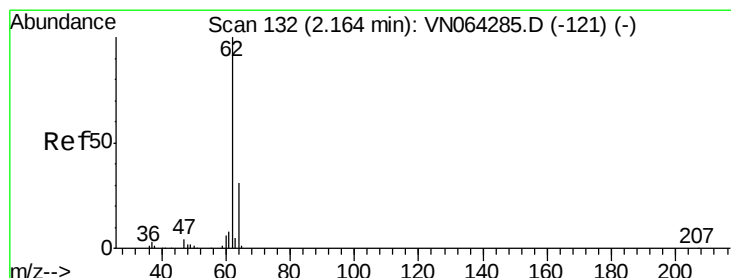
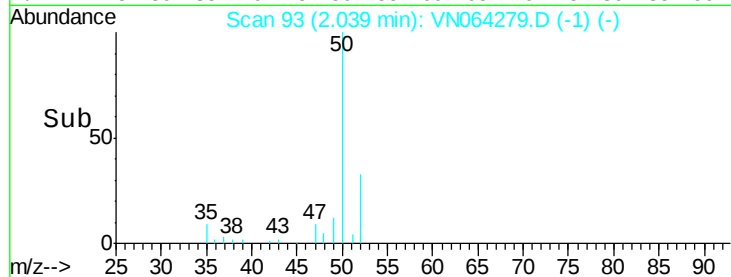
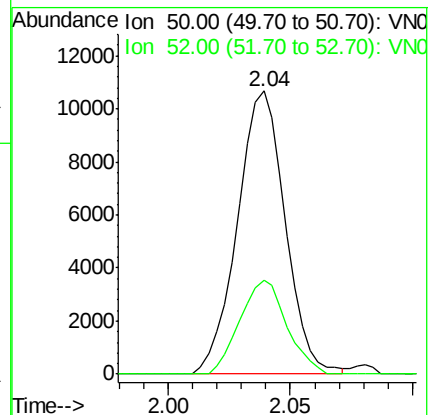
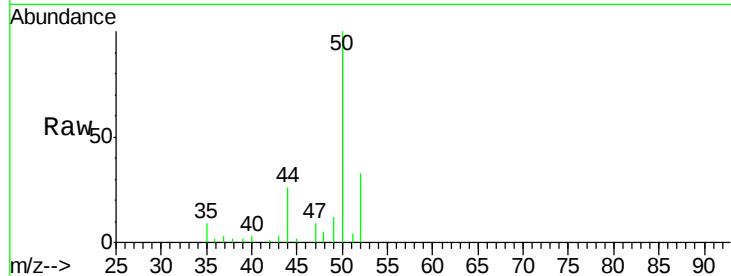
52 33.4 27.1 40.7

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#4

Vinyl Chloride

Concen: 4.848 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064279.D

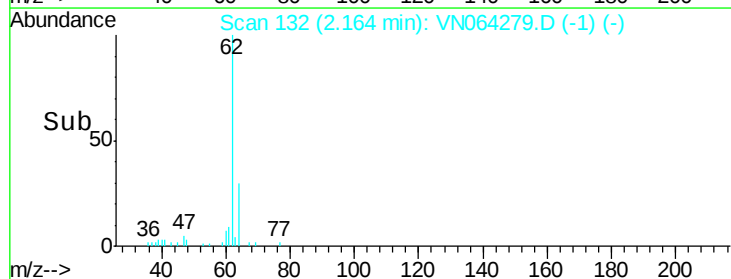
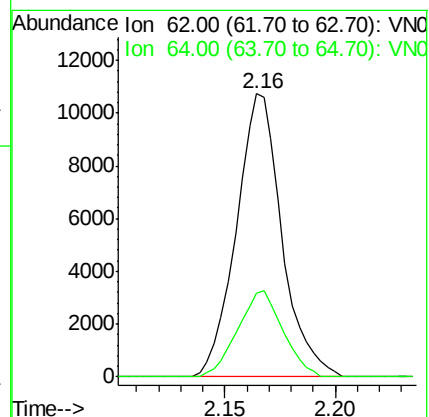
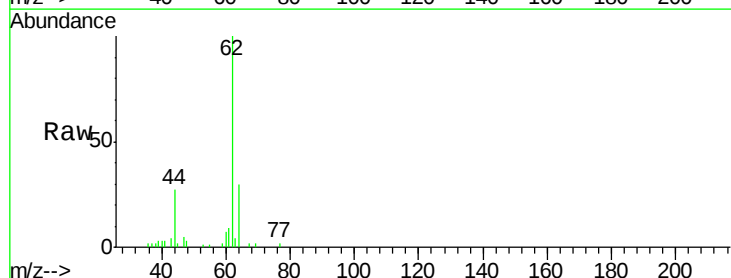
Acq: 23 Oct 2020 9:58

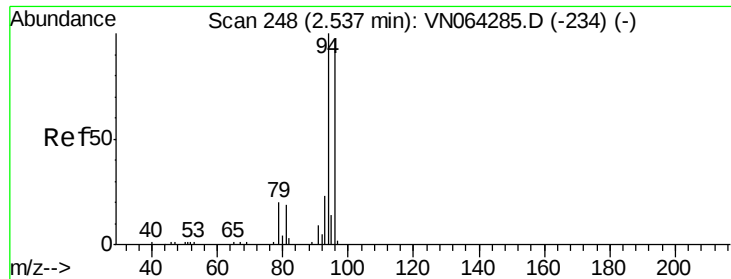
Tgt Ion: 62 Resp: 15363

Ion Ratio Lower Upper

62 100

64 29.5 26.6 39.8





#5

Bromomethane

Concen: 6.031 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11766

Ion Ratio Lower Upper

94 100

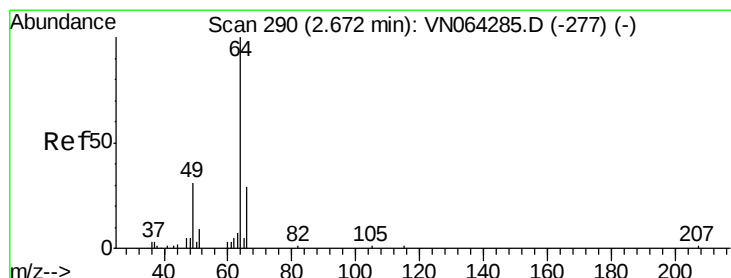
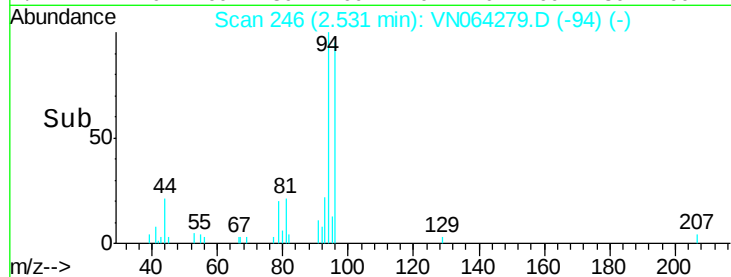
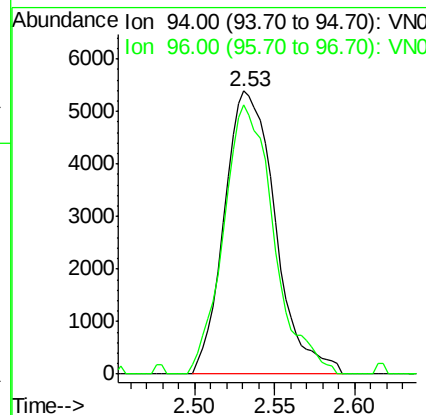
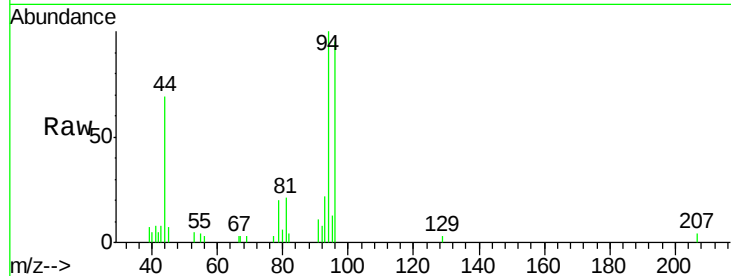
96 95.3 72.4 108.6

Manual Integrations

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#6

Chloroethane

Concen: 5.098 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064279.D

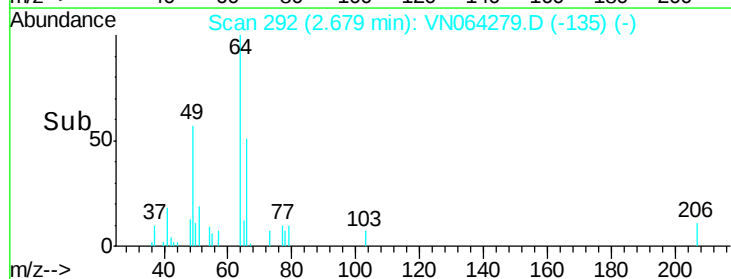
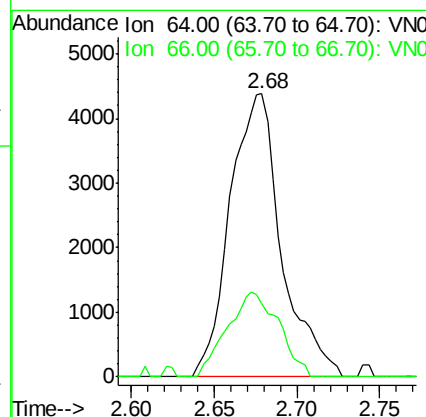
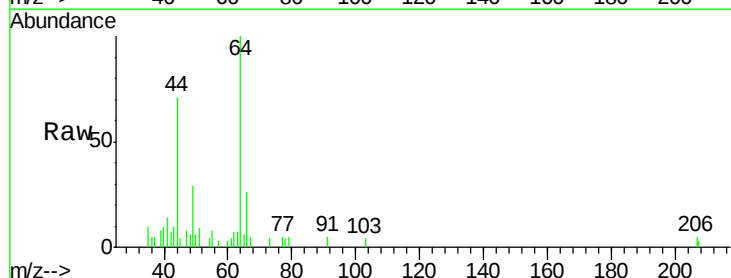
Acq: 23 Oct 2020 9:58

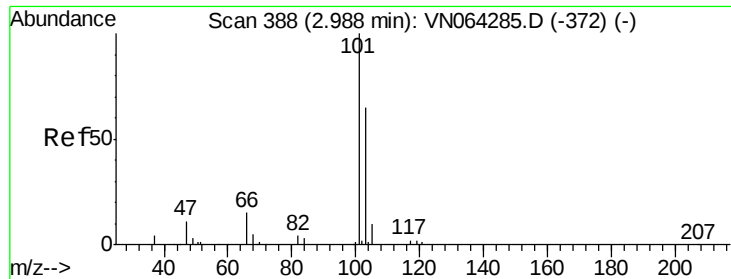
Tgt Ion: 64 Resp: 9406

Ion Ratio Lower Upper

64 100

66 25.8 23.4 35.2





#7

Trichlorofluoromethane

Concen: 5.411 ug/l

RT: 2.99 min Scan# 388

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 27583

Ion Ratio Lower Upper

101 100

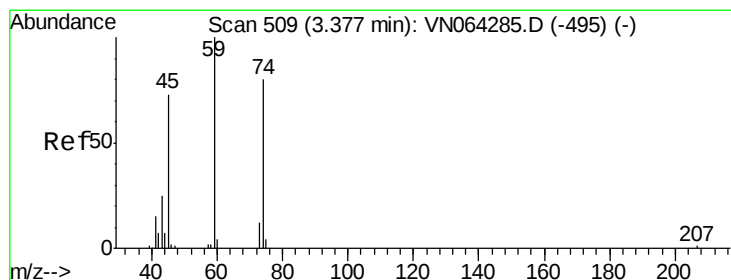
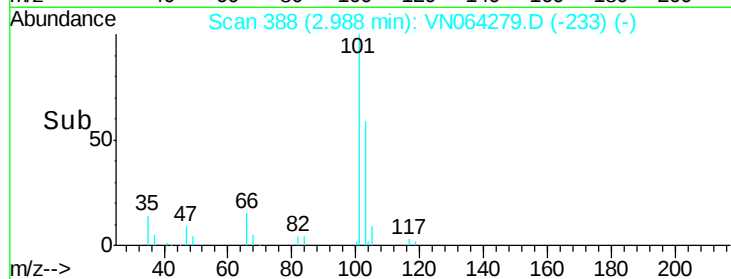
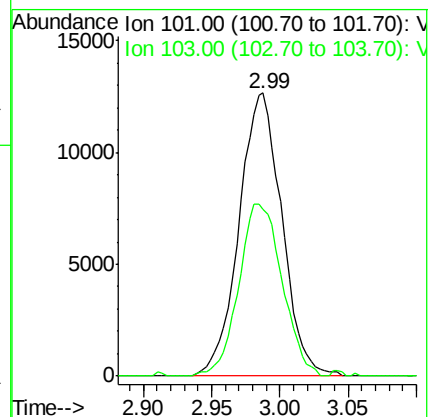
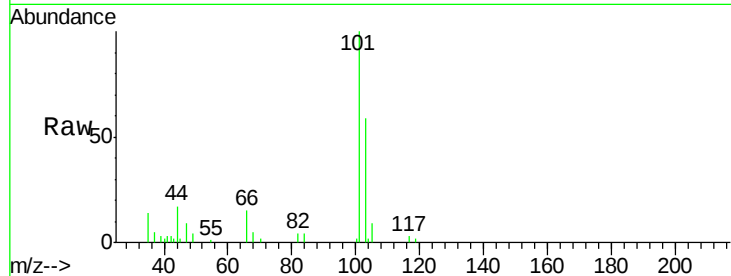
103 59.0 51.4 77.0

Manual Integrations

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#8

Diethyl Ether

Concen: 5.528 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN064279.D

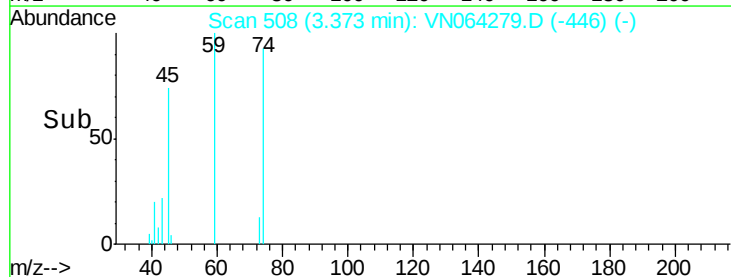
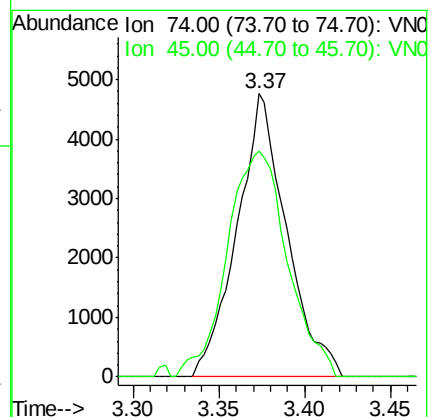
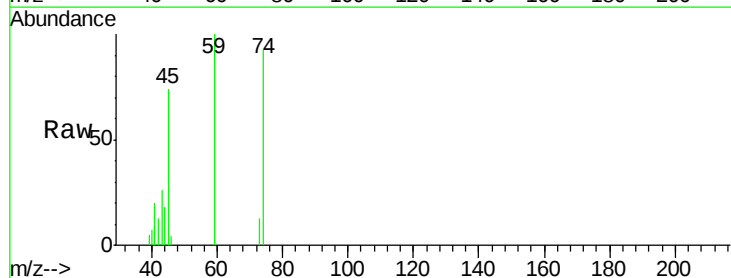
Acq: 23 Oct 2020 9:58

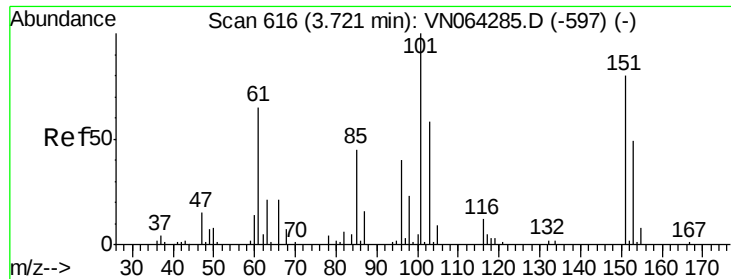
Tgt Ion: 74 Resp: 9536

Ion Ratio Lower Upper

74 100

45 97.1 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.087 ug/l m

RT: 3.73 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

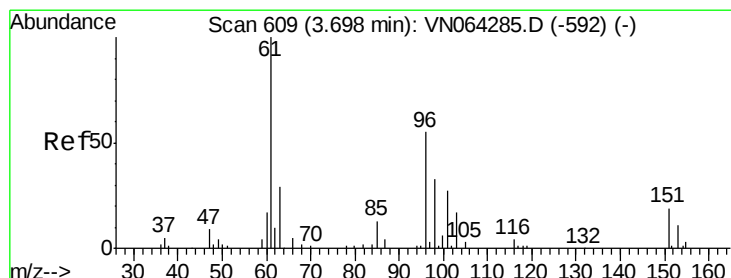
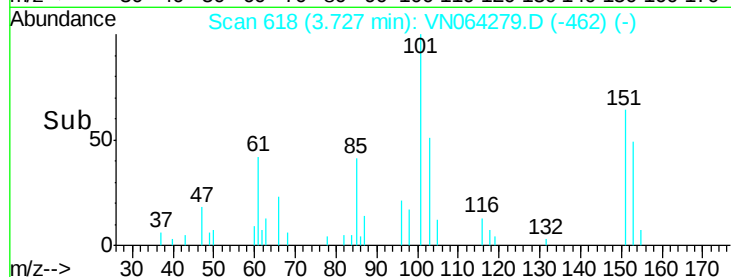
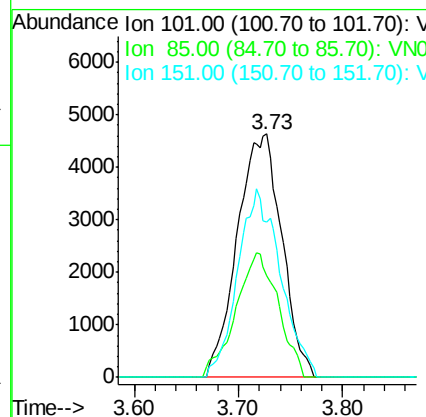
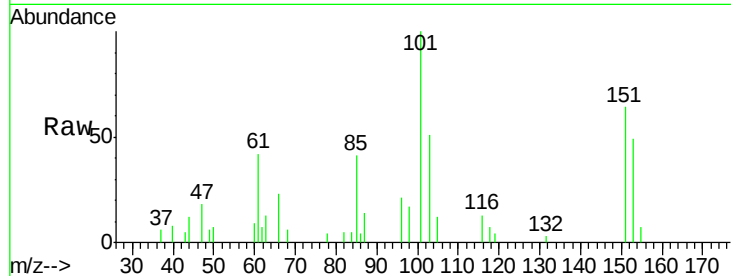
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13701
Ion Ratio	Lower	Upper	
101	100		
85	48.7	0.0	47.4#
151	48.6	0.0	148.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 4.837 ug/l

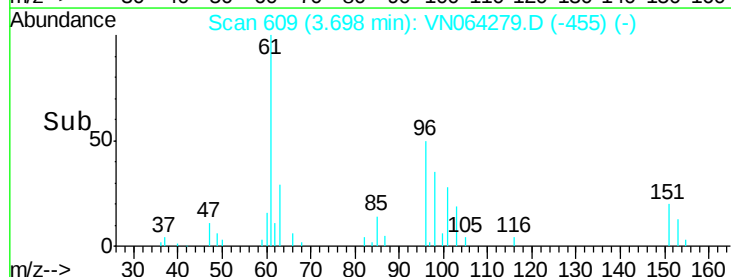
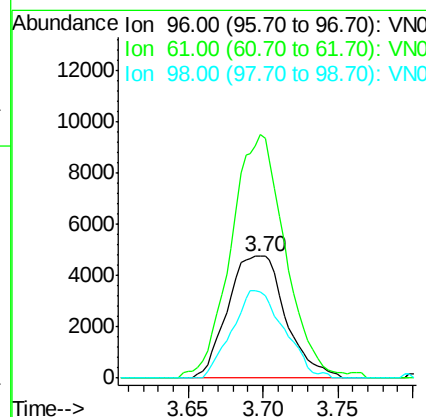
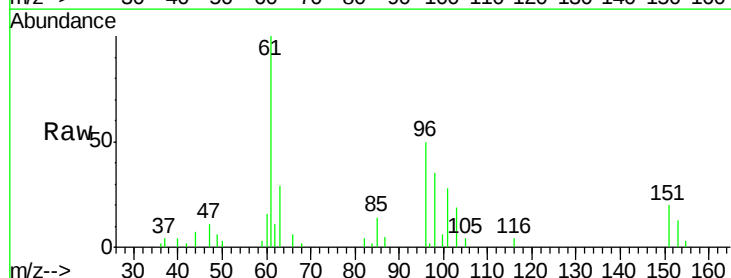
RT: 3.70 min Scan# 609

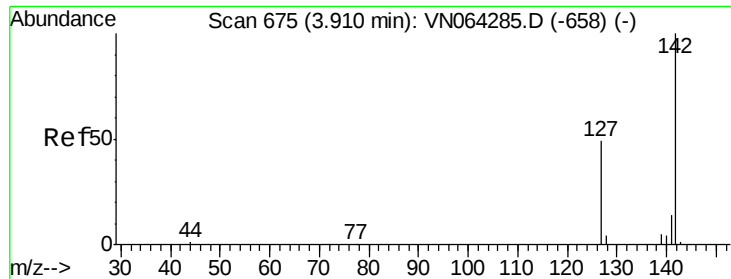
Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Tgt Ion:	96	Resp:	12788
Ion Ratio	Lower	Upper	
96	100		
61	194.9	144.2	216.4
98	70.7	47.4	71.0





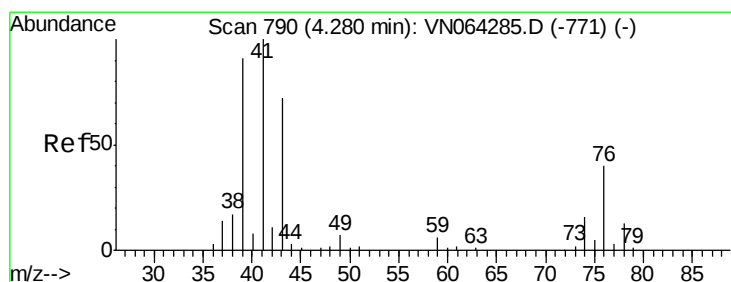
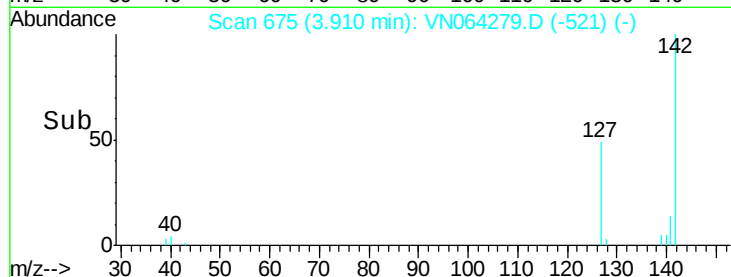
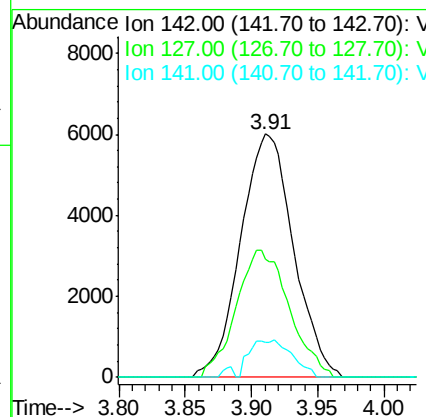
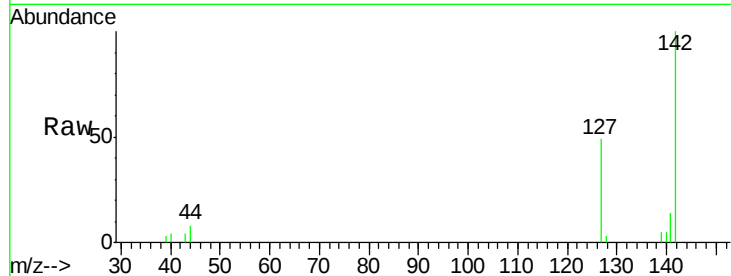
#11
Methvl Iodide
Concen: 4.424 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.7	25.9	77.8
141	14.4	7.5	22.6

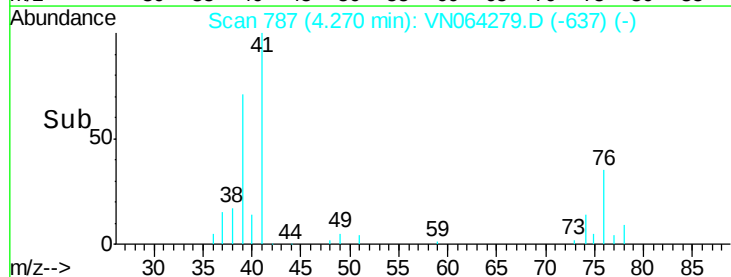
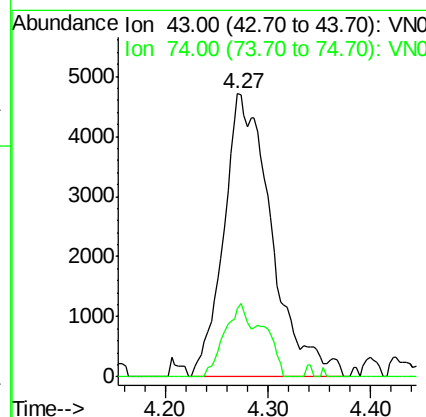
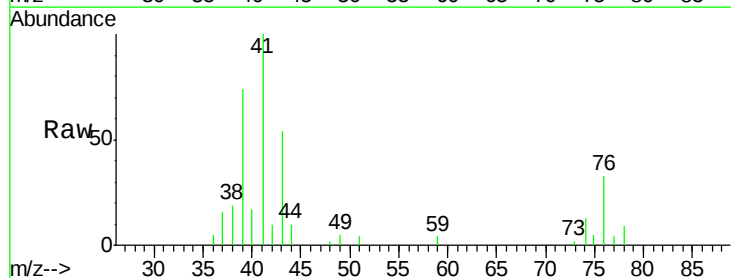
Manual Integrations
APPROVED

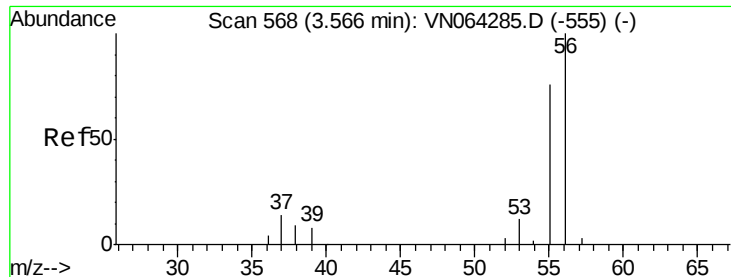
MMDadoda
10/26/2020 1:38:35 PM



#12
Methyl Acetate
Concen: 5.418 ug/l m
RT: 4.27 min Scan# 787
Delta R.T. -0.02 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.0	28.6





#13

Acrolein

Concen: 24.375 ug/l m

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7426

Ion Ratio Lower Upper

56 100

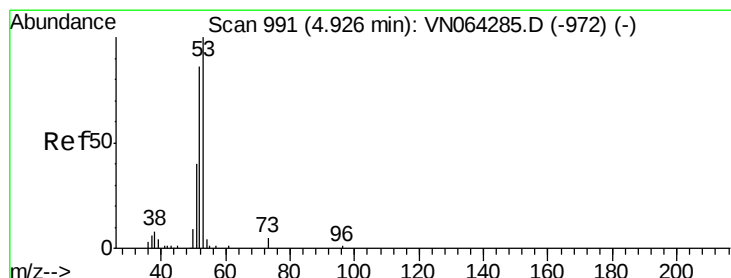
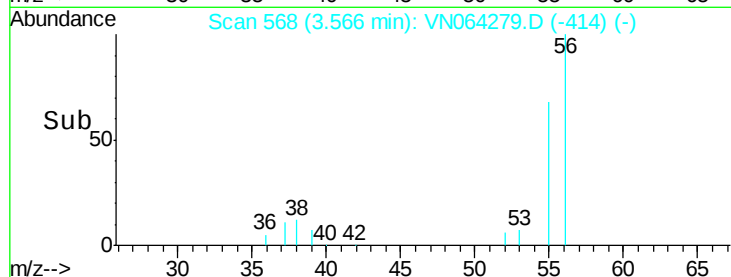
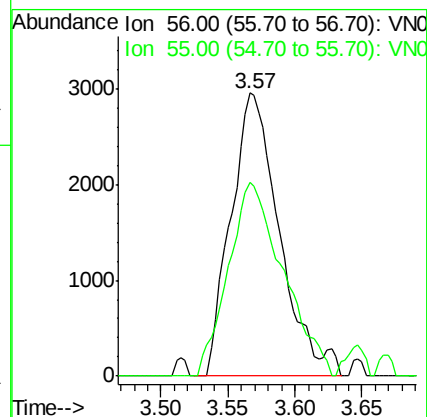
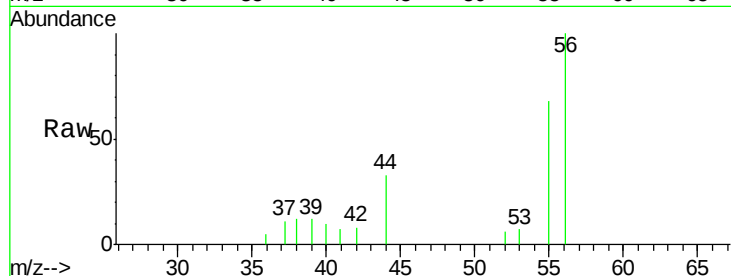
55 77.4 61.0 91.6

Manual Integrations

APPROVED

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#14

Acrylonitrile

Concen: 24.910 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

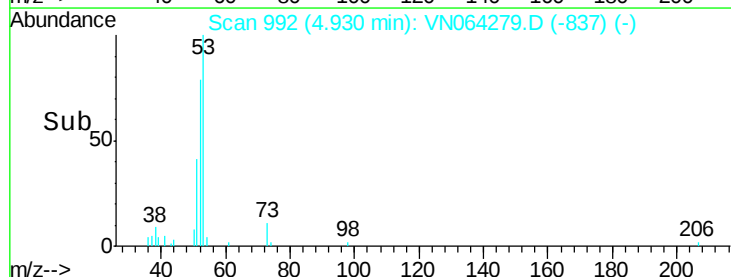
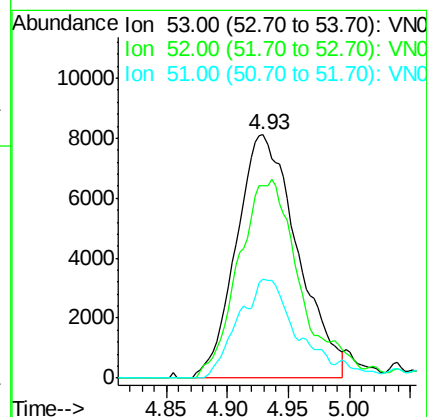
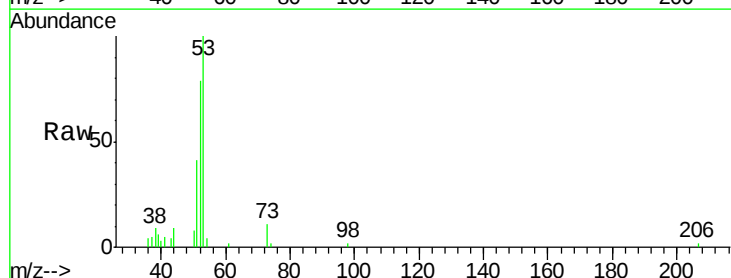
Tgt Ion: 53 Resp: 28153

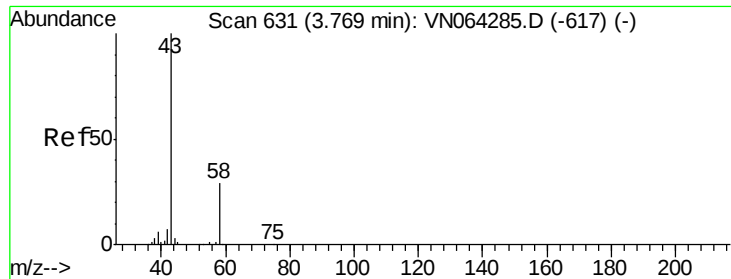
Ion Ratio Lower Upper

53 100

52 36.0 41.7 125.1#

51 13.1 18.9 56.7#





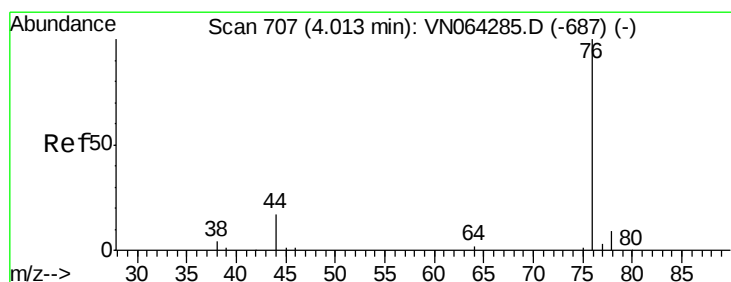
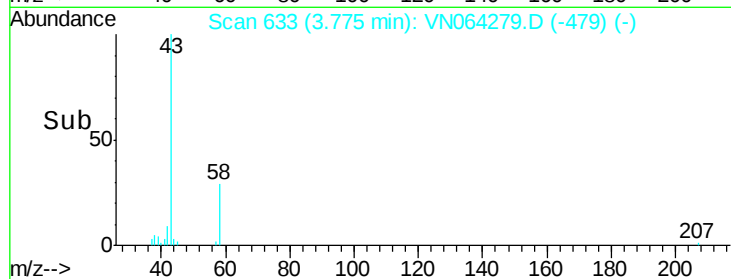
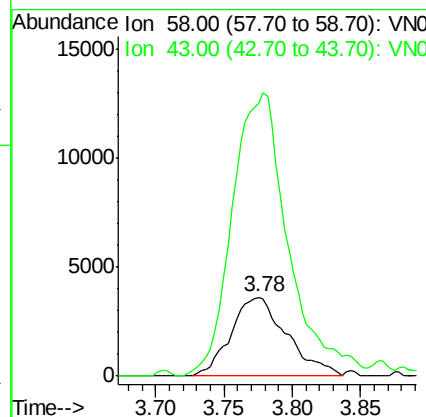
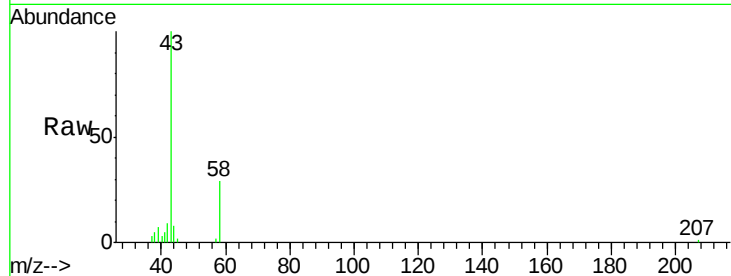
#15
Acetone
Concen: 32.118 ug/l
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 58 Resp: 10292
Ion Ratio Lower Upper
58 100
43 339.7 297.4 446.0

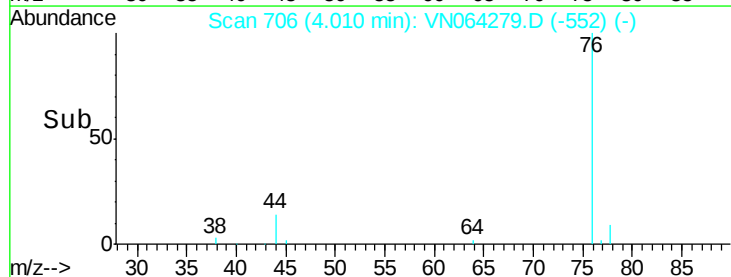
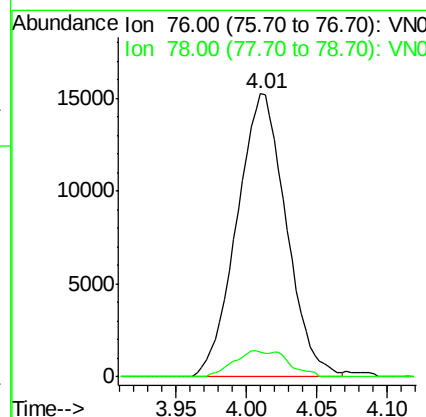
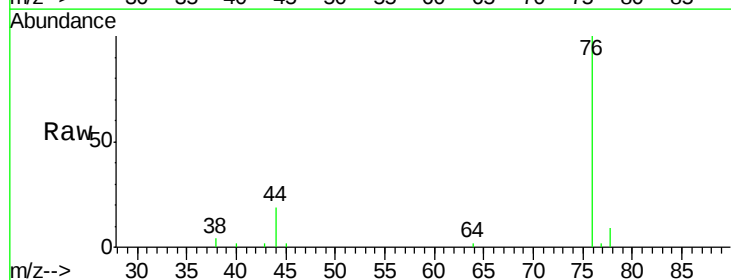
Manual Integrations
APPROVED

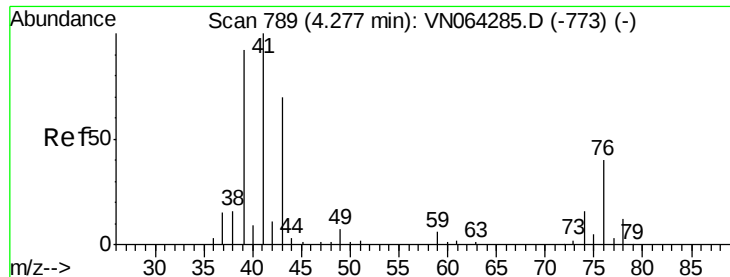
MMDadoda
10/26/2020 1:38:35 PM



#16
Carbon Disulfide
Concen: 4.983 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 76 Resp: 37409
Ion Ratio Lower Upper
76 100
78 8.8 9.0 13.4#





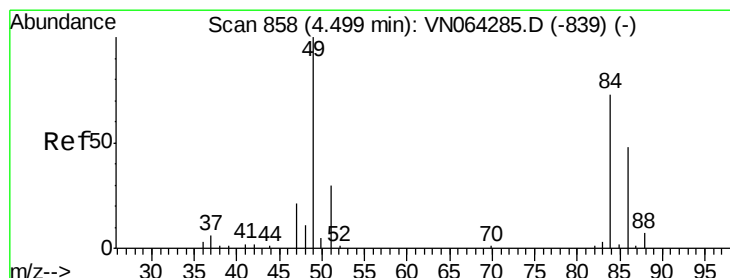
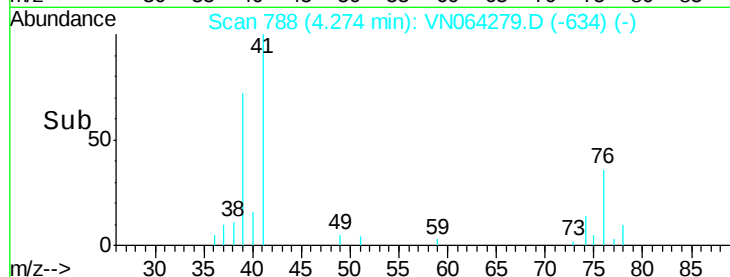
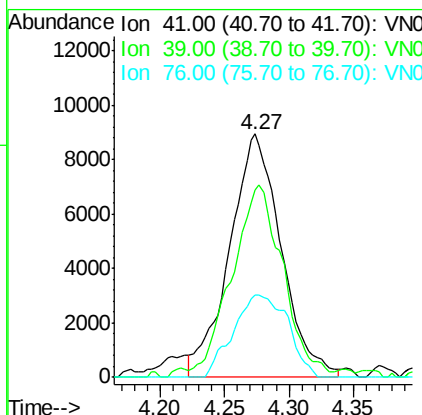
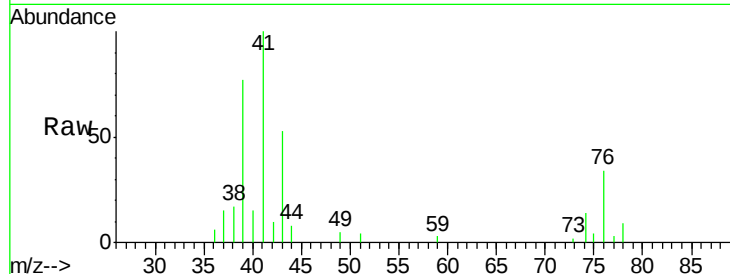
#17
Allvl chloride
Concen: 5.111 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	24917
Ion	Ratio	Lower	Upper
41	100		
39	76.4	39.9	119.6
76	34.9	21.4	64.2

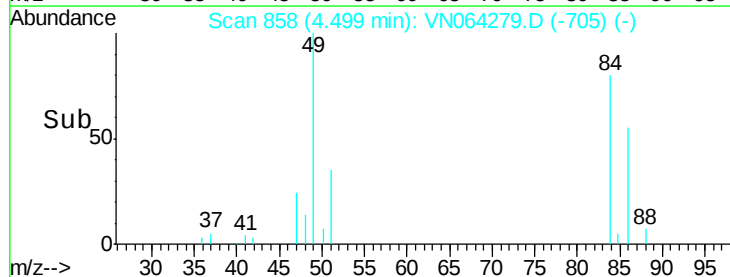
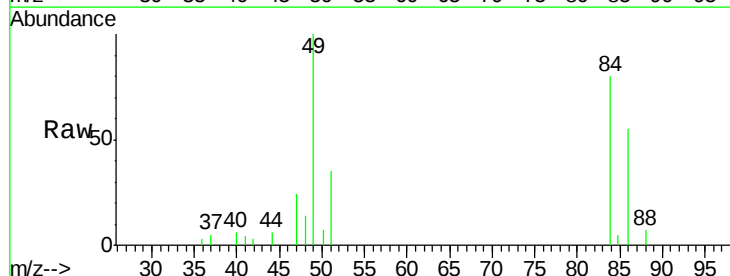
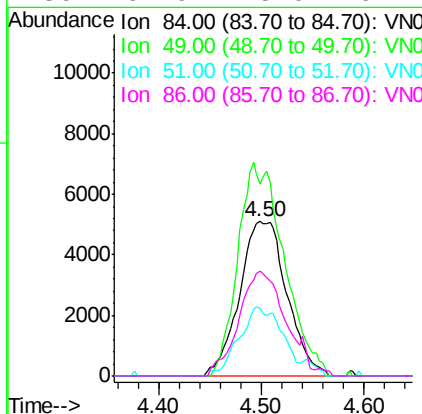
Manual Integrations
APPROVED

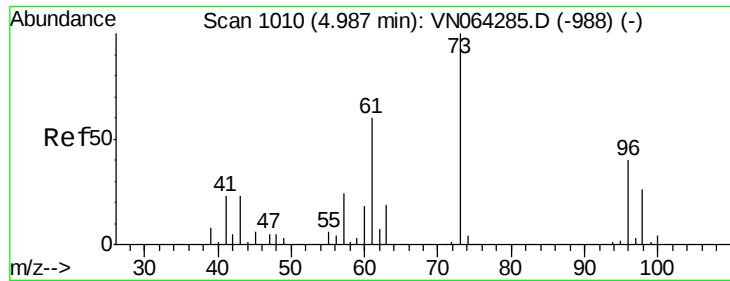
MMDadoda
10/26/2020 1:38:35 PM



#18
Methylene Chloride
Concen: 5.387 ug/l m
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion:	84	Resp:	16360
Ion	Ratio	Lower	Upper
84	100		
49	124.5	101.1	151.7
51	43.8	33.4	50.0
86	67.9	45.0	67.4#





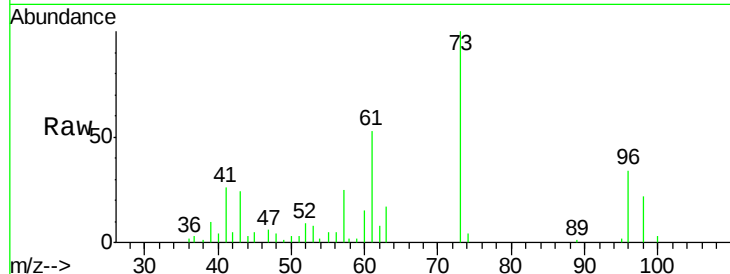
#19
trans-1,2-Dichloroethene
Concen: 5.498 ug/l m
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	154.9	114.2	171.2	
98	62.7	52.8	79.2	

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:35 PM

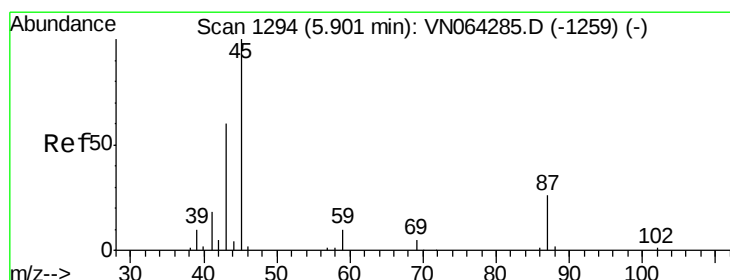
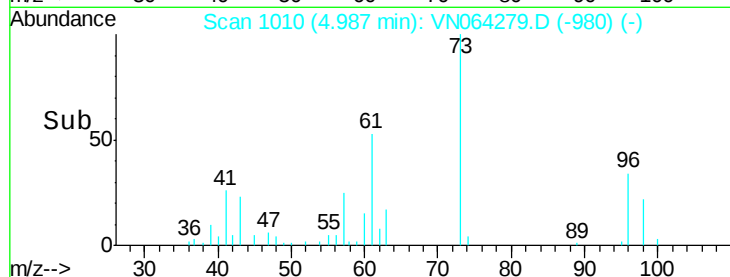
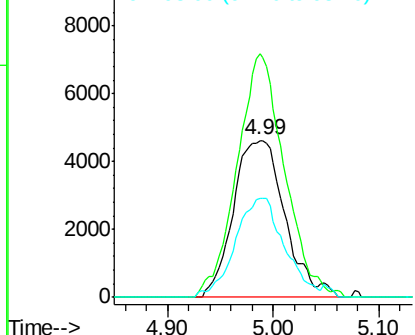


Abundance

Ion 96.00 (95.70 to 96.70): VN064279.D (-980) (-)

Ion 61.00 (60.70 to 61.70): VN064279.D (-980) (-)

Ion 98.00 (97.70 to 98.70): VN064279.D (-980) (-)



#20
Diisopropyl ether
Concen: 5.023 ug/l
RT: 5.89 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	78.6	58.9	88.3	
87	28.6	21.0	31.4	
59	13.0	9.1	13.7	

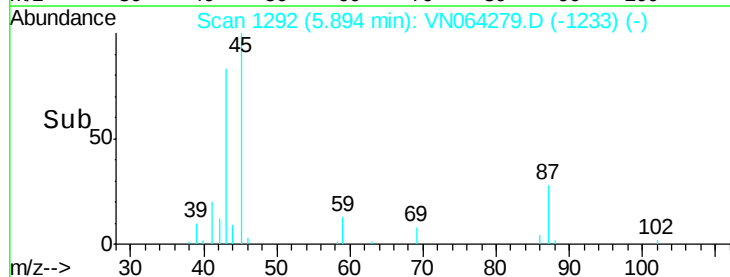
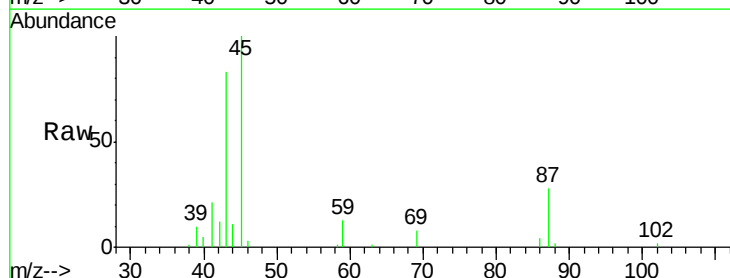
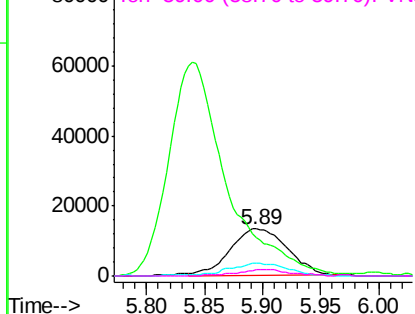
Abundance

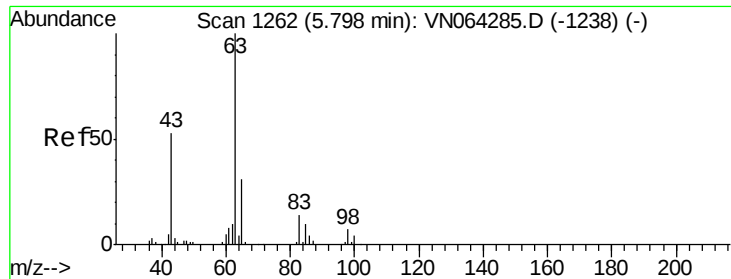
Ion 45.00 (44.70 to 45.70): VN064279.D (-1233) (-)

Ion 43.00 (42.70 to 43.70): VN064279.D (-1233) (-)

Ion 87.00 (86.70 to 87.70): VN064279.D (-1233) (-)

Ion 59.00 (58.70 to 59.70): VN064279.D (-1233) (-)





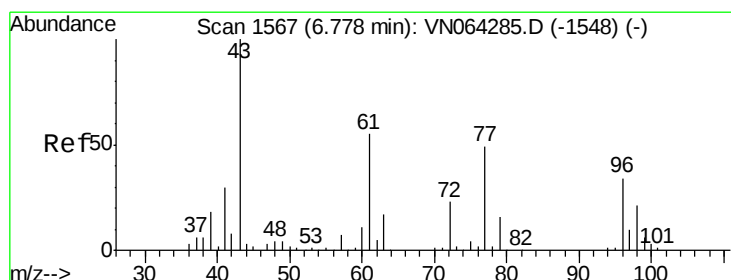
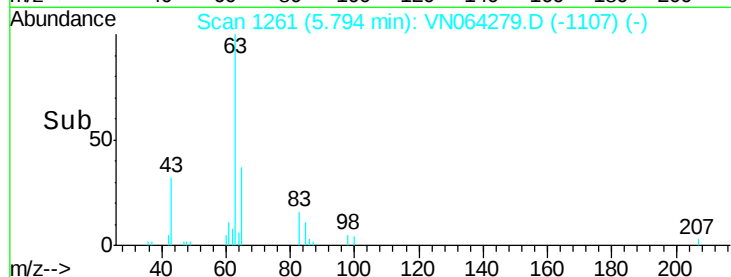
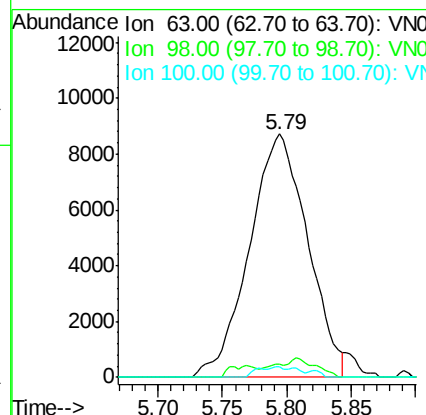
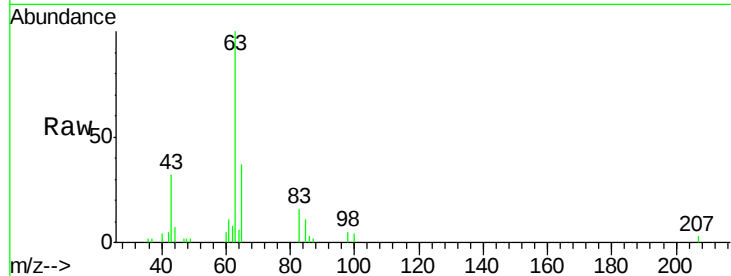
#21
 1,1-Dichloroethane
 Concen: 4.932 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		27345		
98	5.4		3.5	10.6	
100	4.1		1.6	4.7	

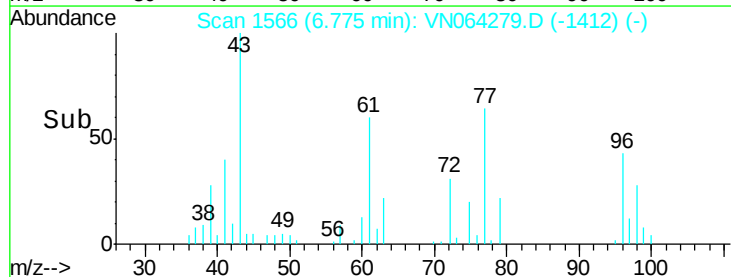
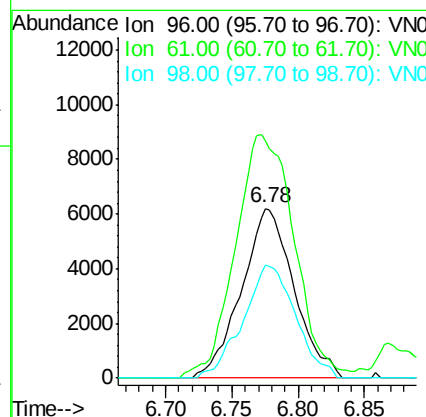
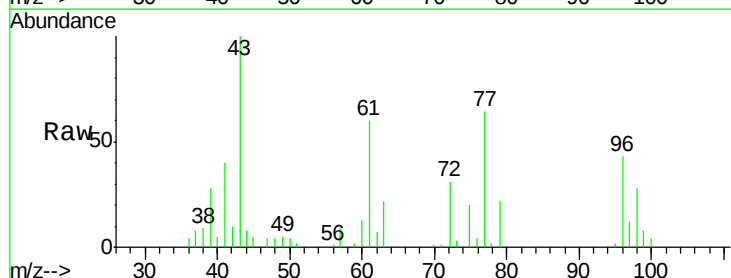
Manual Integrations
 APPROVED

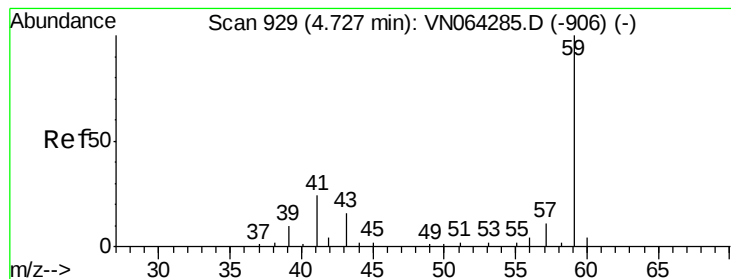
MMDadoda
 10/26/2020 1:38:35 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.149 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		17141		
61	160.3		132.2	198.2	
98	66.5		26.5	39.7#	





#23

tert-Butyl Alcohol

Concen: 26.523 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 13996

Ion Ratio Lower Upper

59 100

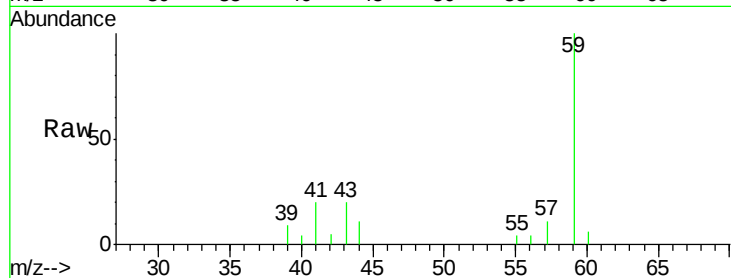
52 0.0 0.2 0.2#

Manual Integrations

APPROVED

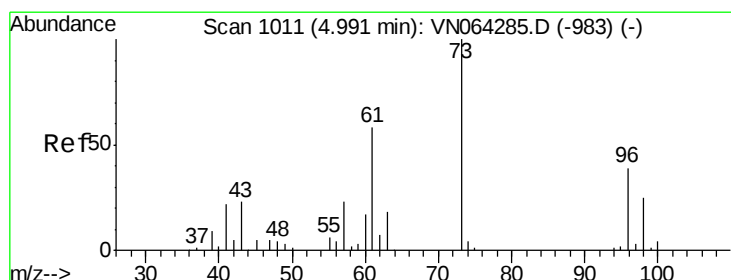
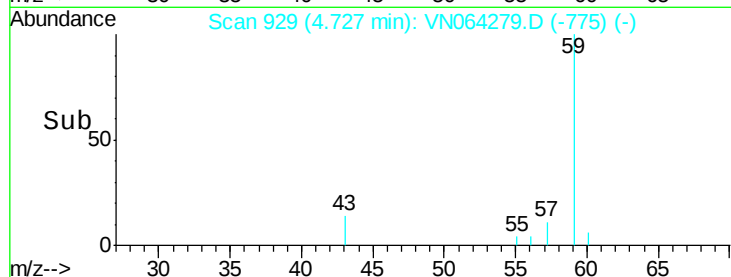
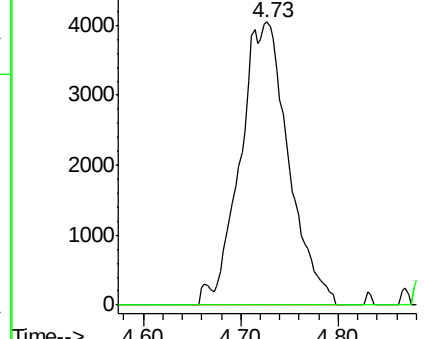
MMDadoda

10/26/2020 1:38:35 PM



Abundance Ion 59.00 (58.70 to 59.70): VN064285.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN064285.D (-906) (-)



#24

Methyl tert-Butyl Ether

Concen: 5.362 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064279.D

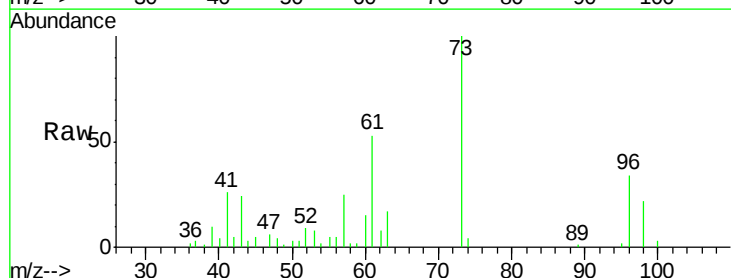
Acq: 23 Oct 2020 9:58

Tgt Ion: 73 Resp: 46922

Ion Ratio Lower Upper

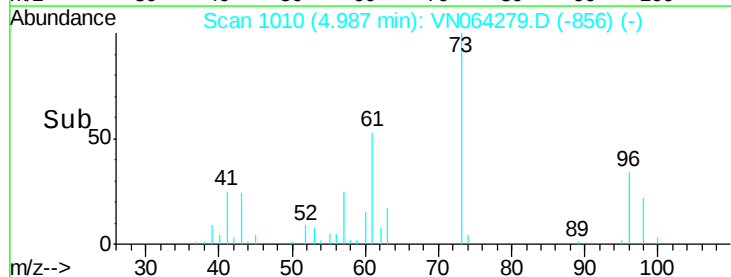
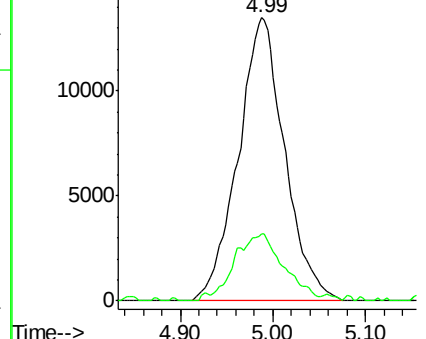
73 100

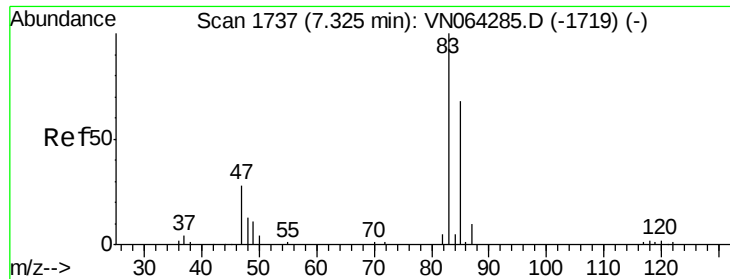
43 5.1 19.7 29.5#



Abundance Ion 73.00 (72.70 to 73.70): VN064285.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN064285.D (-983) (-)





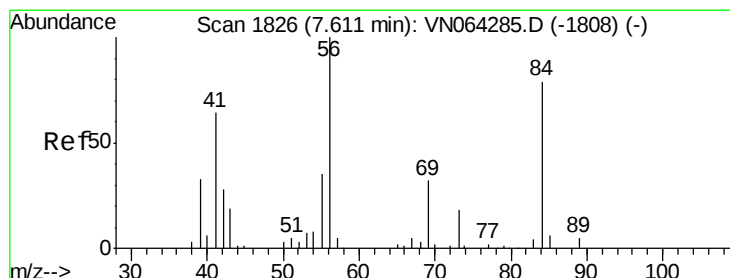
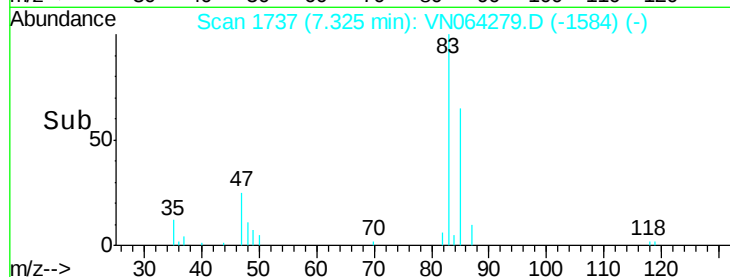
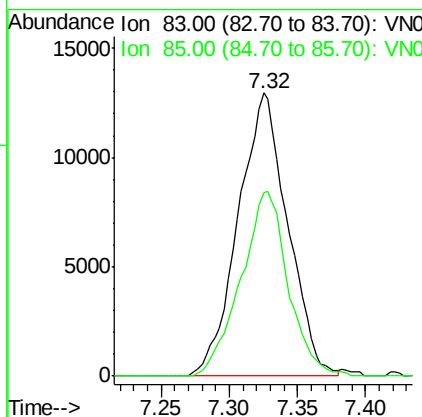
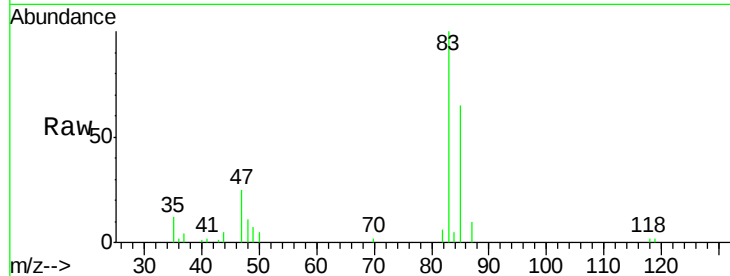
#25
Chloroform
Concen: 5.631 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	32645
Ion Ratio	100	Lower	Upper
85	64.7	50.3	75.5

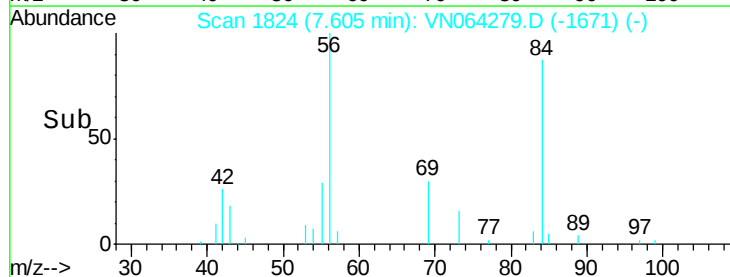
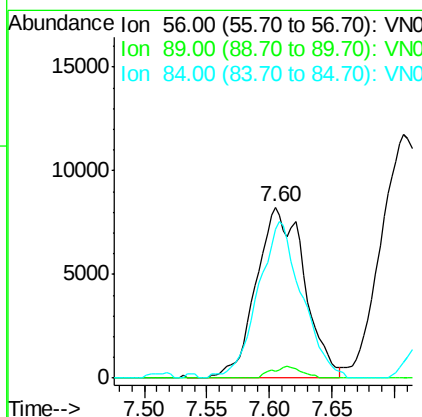
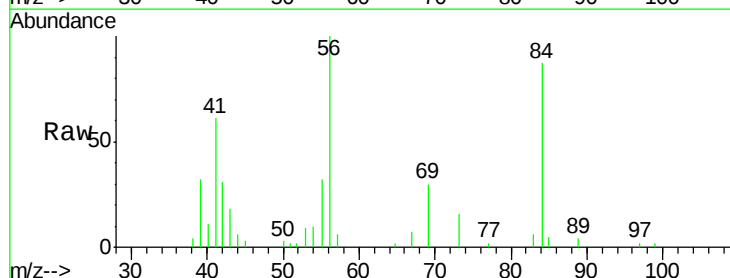
Manual Integrations
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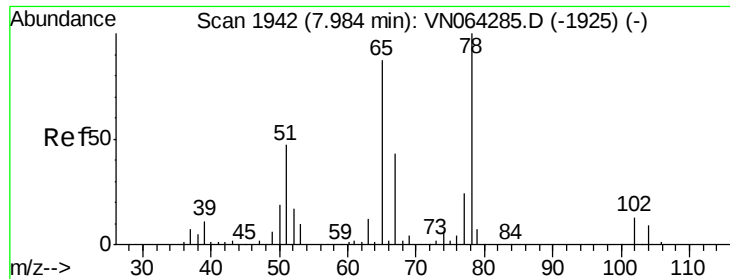
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#26
Cyclohexane
Concen: 5.017 ug/l m
RT: 7.60 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	56	Resp	22012
Ion Ratio	100	Lower	Upper
89	1.1	3.4	5.2#
84	83.4	66.2	99.2





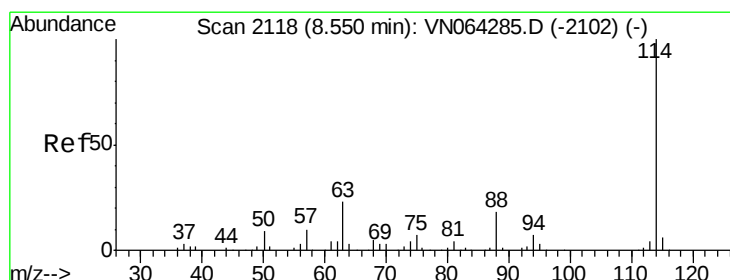
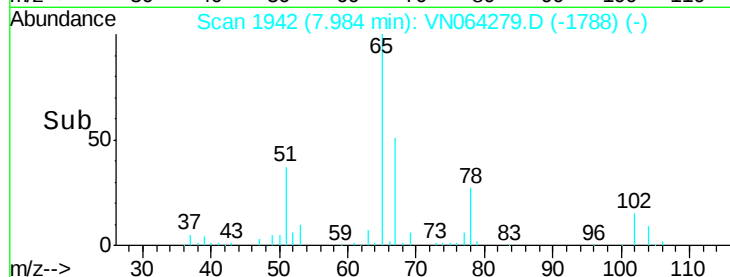
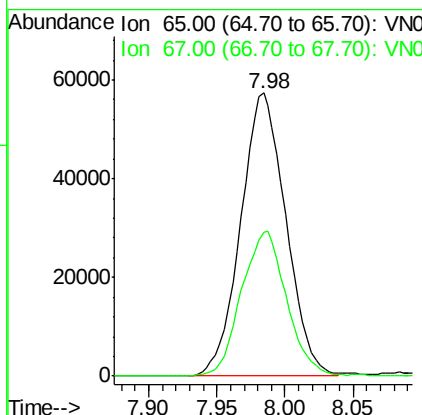
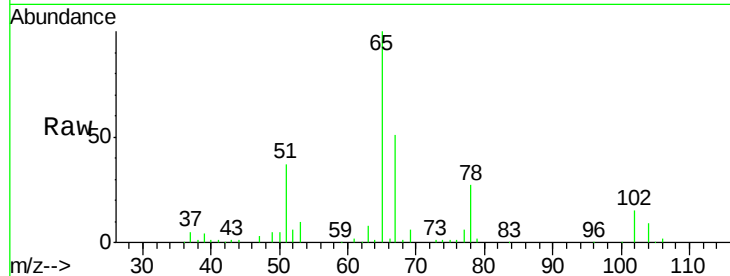
#27
 1,2-Dichloroethane-d4
 Concen: 33.037 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	38.4	57.6

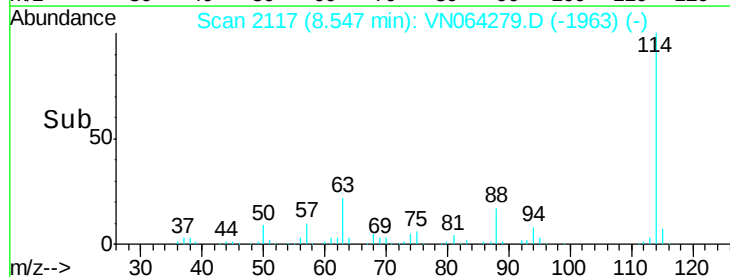
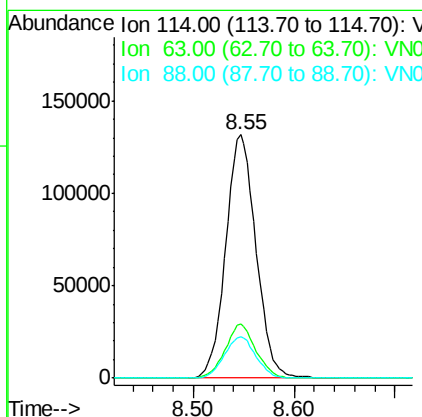
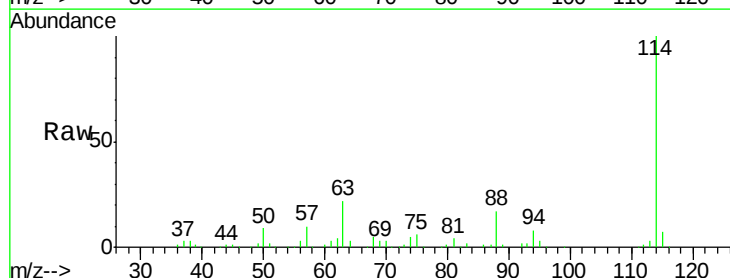
Manual Integrations
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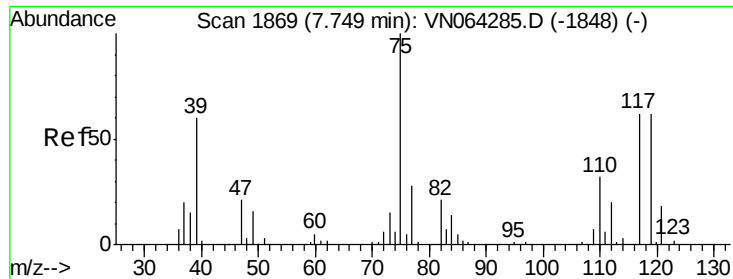
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	17.8	26.8
88	17.4	13.8	20.8





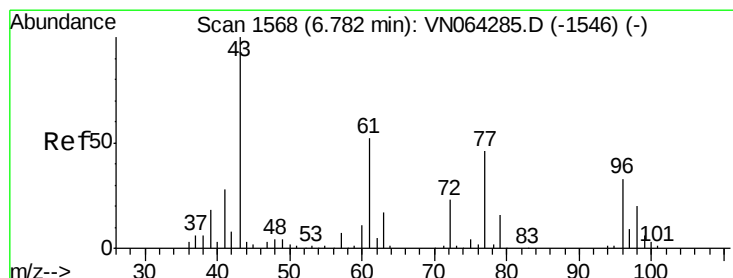
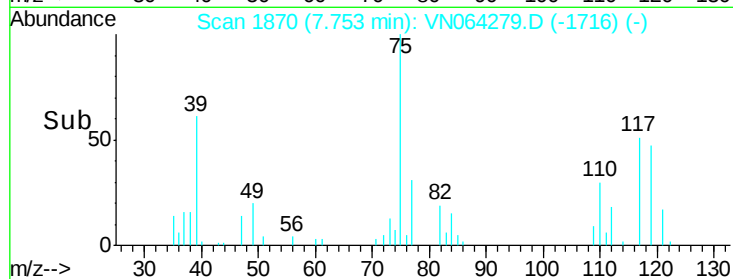
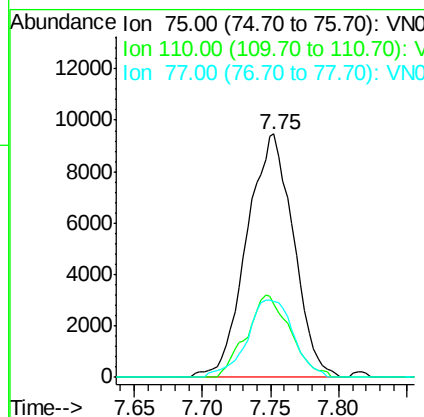
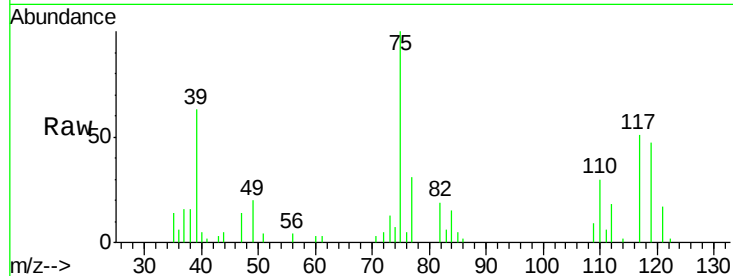
#29
 1,1-Dichloropropene
 Concen: 5.105 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
75	100	22499		
110	31.8	0.0	66.2	
77	31.6	0.0	64.4	

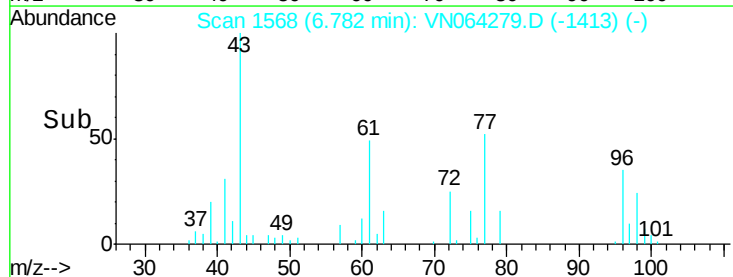
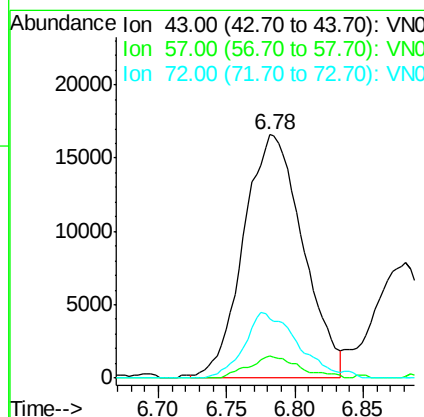
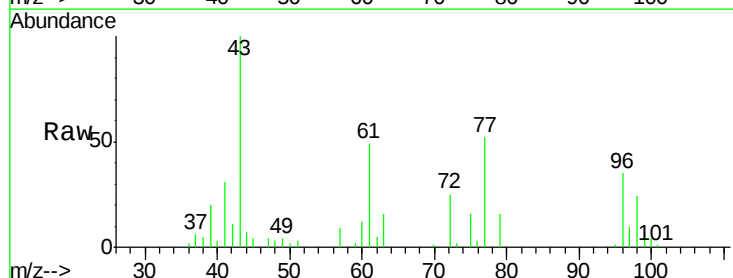
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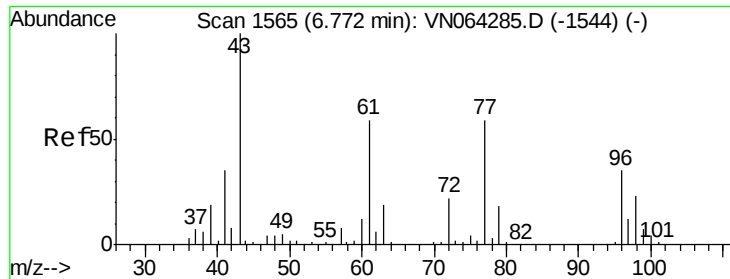
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#30
 2-Butanone
 Concen: 26.894 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	50185		
57	7.0	6.4	9.6	
72	24.0	19.4	29.0	





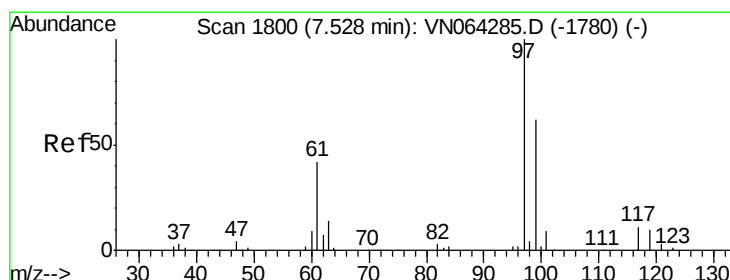
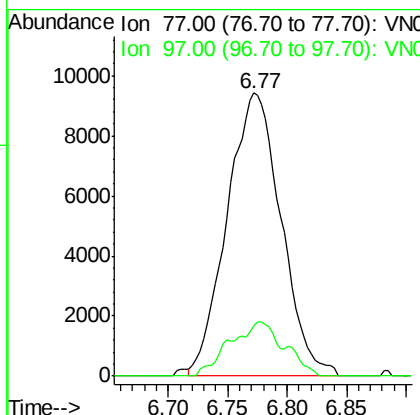
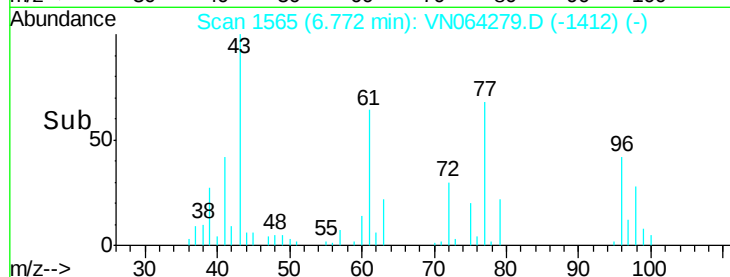
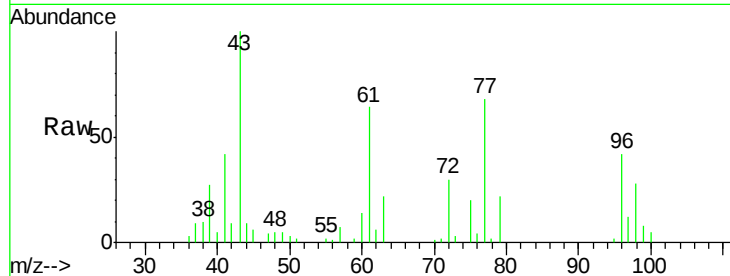
#31
 2,2-Dichloropropane
 Concen: 5.271 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 29670
 Ion Ratio Lower Upper
 77 100
 97 4.6 15.1 22.7#

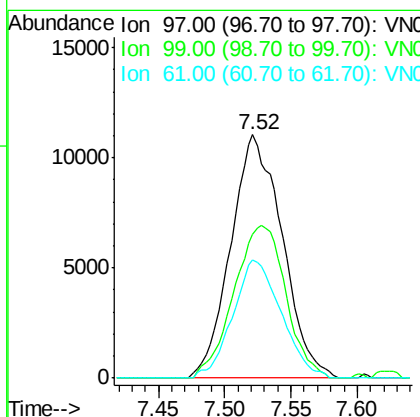
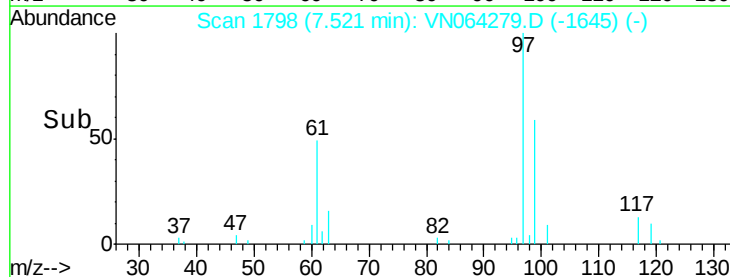
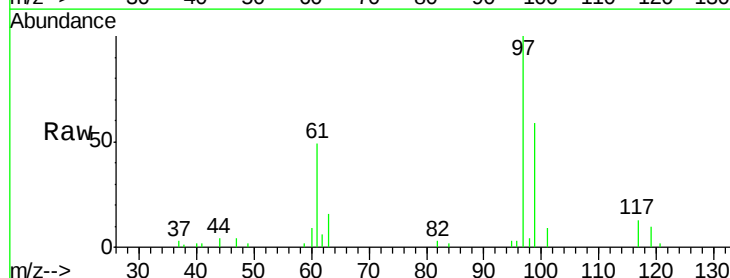
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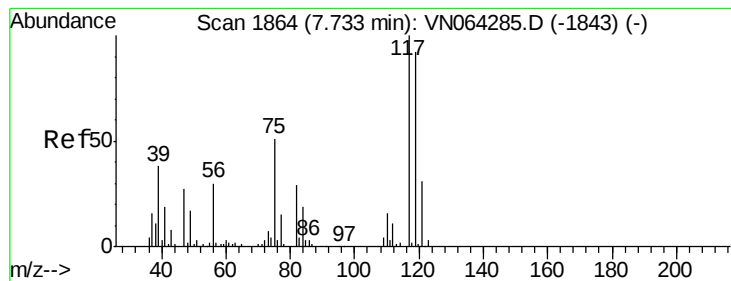
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#32
 1,1,1-Trichloroethane
 Concen: 5.285 ug/l
 RT: 7.52 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 97 Resp: 29829
 Ion Ratio Lower Upper
 97 100
 99 63.4 54.4 81.6
 61 45.8 37.5 56.3





#33

Carbon Tetrachloride

Concen: 4.971 ug/l

RT: 7.72 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

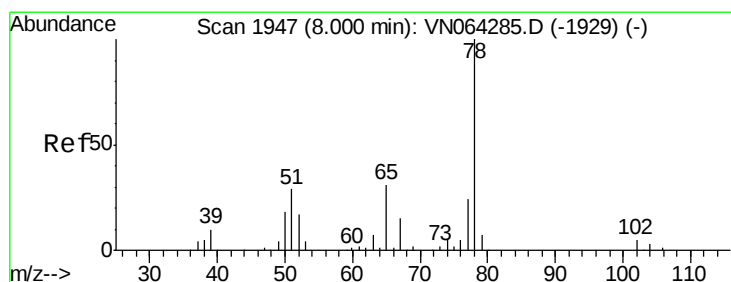
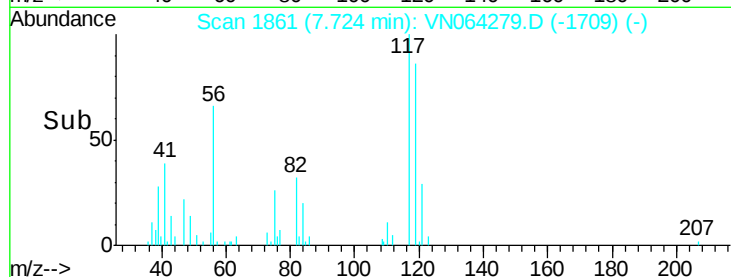
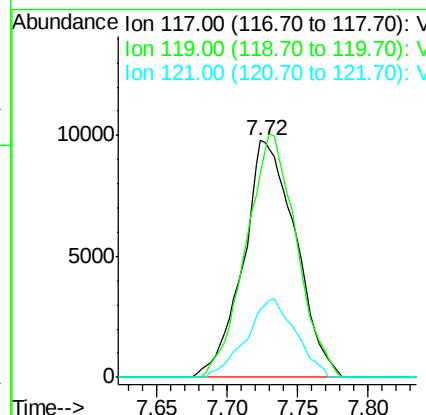
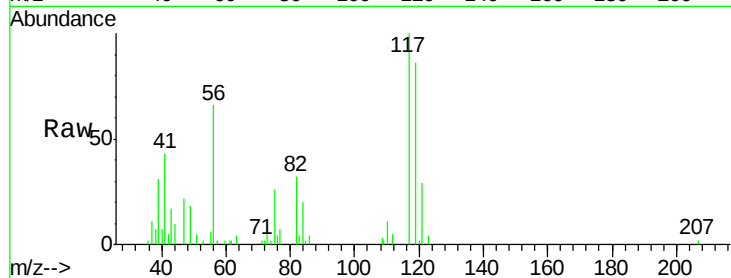
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	25416
Ion Ratio	Lower	Upper	
117	100		
119	86.3	80.1	120.1
121	28.8	26.2	39.2

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#34

Benzene

Concen: 5.058 ug/l

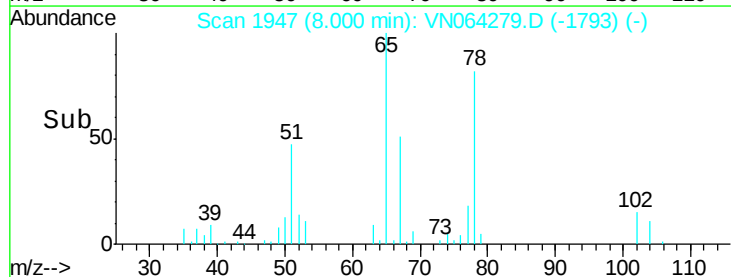
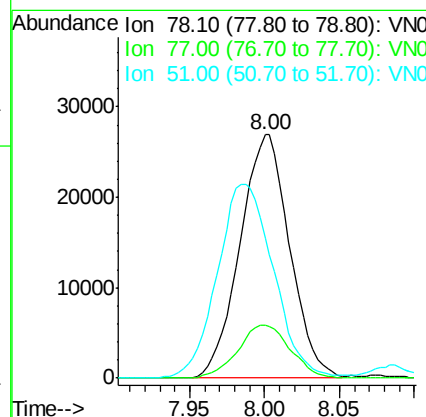
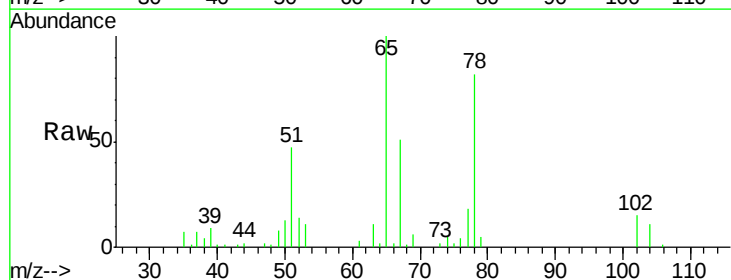
RT: 8.00 min Scan# 1947

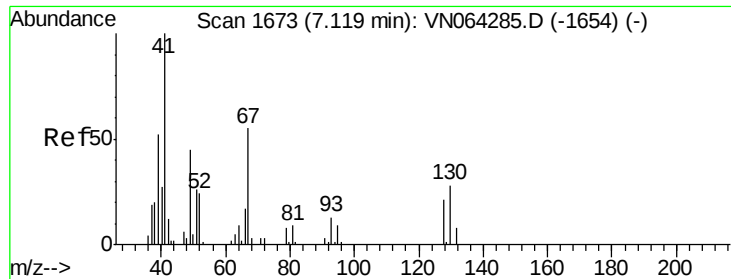
Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Tgt Ion:	78	Resp:	62179
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.2	28.8
51	56.5	25.2	37.8#





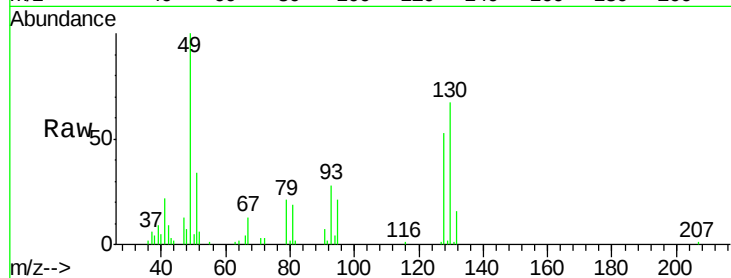
#35
Methacrylonitrile
Concen: 5.182 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

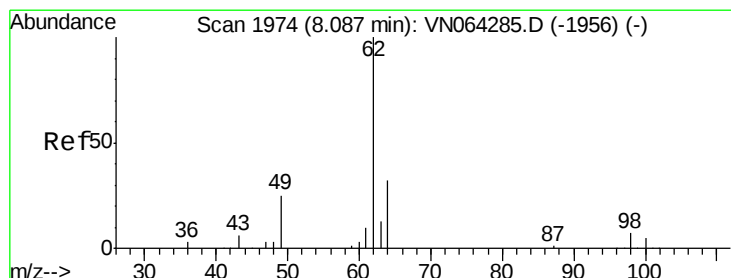
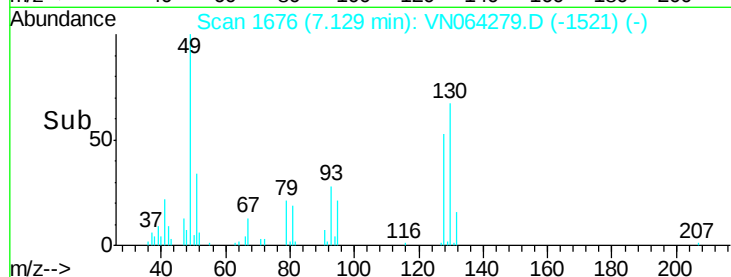
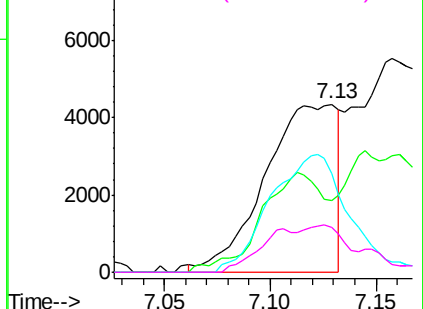
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	42.3	28.0	83.9	
67	58.5	29.9	89.8	
52	26.6	12.4	37.2	

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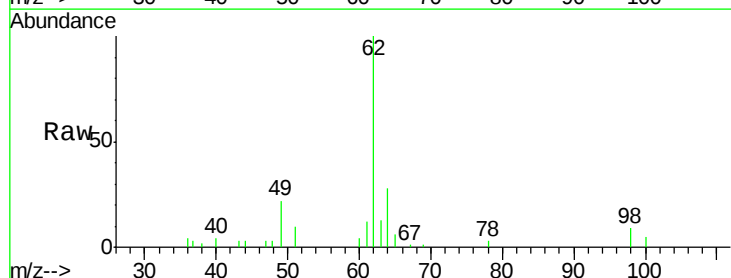


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

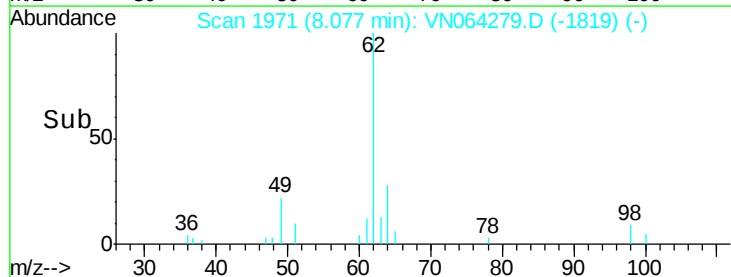
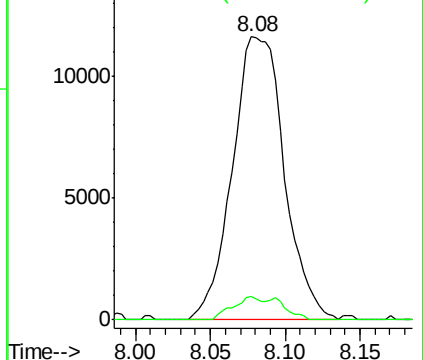


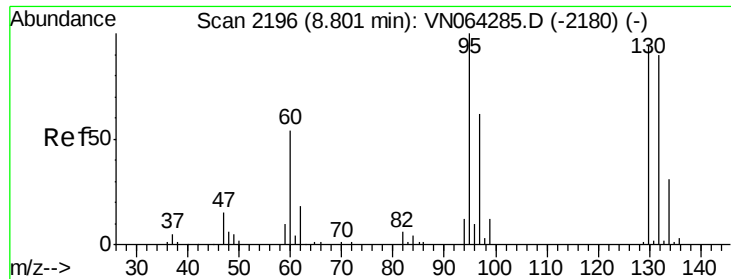
#36
1,2-Dichloroethane
Concen: 5.528 ug/l
RT: 8.08 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.9	5.4	8.0#	



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





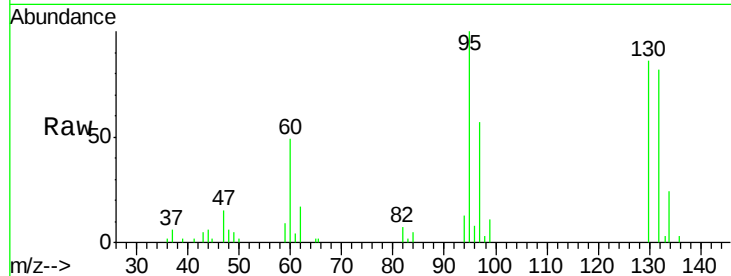
#37
 Trichloroethene
 Concen: 5.128 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

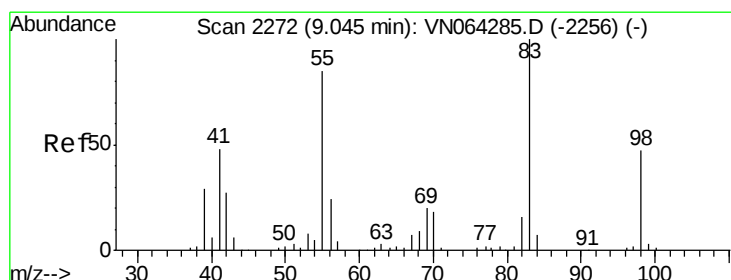
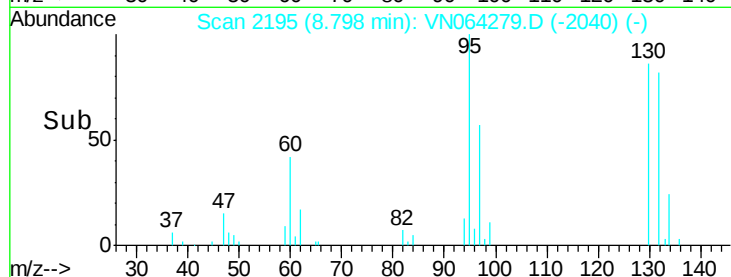
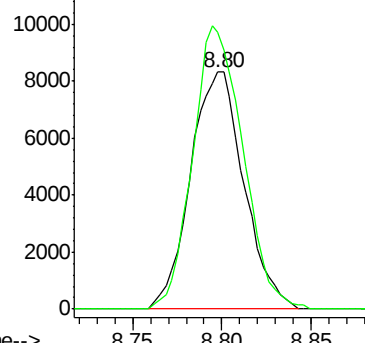
Tot Ion:130 Resp: 17333
 Ion Ratio Lower Upper
 130 100
 95 116.7 81.2 121.8

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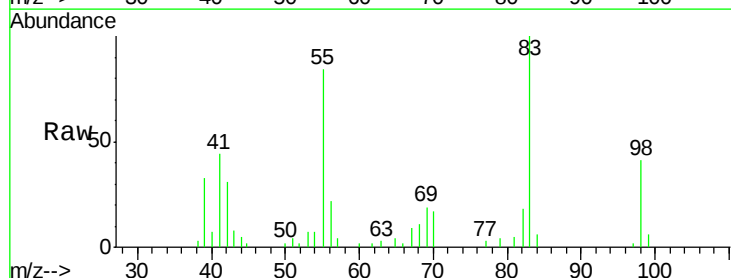


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

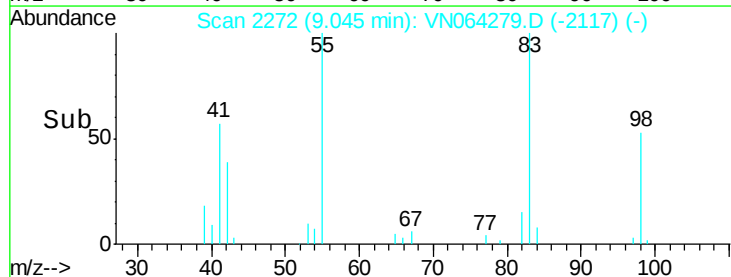
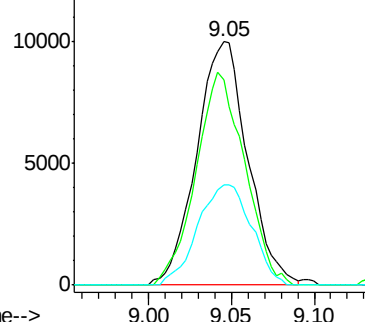


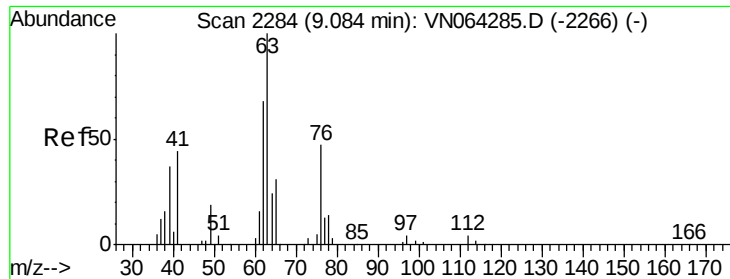
#38
 Methylcyclohexane
 Concen: 5.100 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 83 Resp: 21423
 Ion Ratio Lower Upper
 83 100
 55 83.3 40.3 120.9
 98 43.2 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





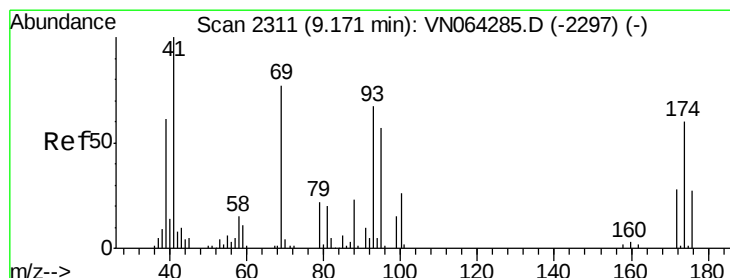
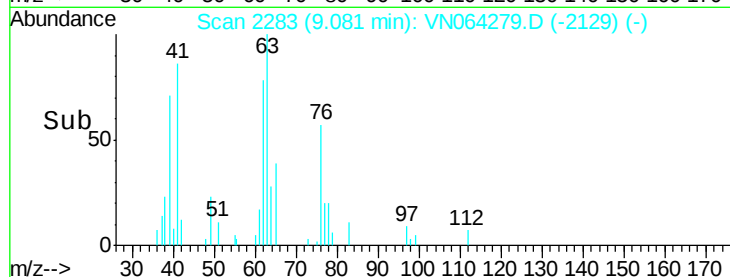
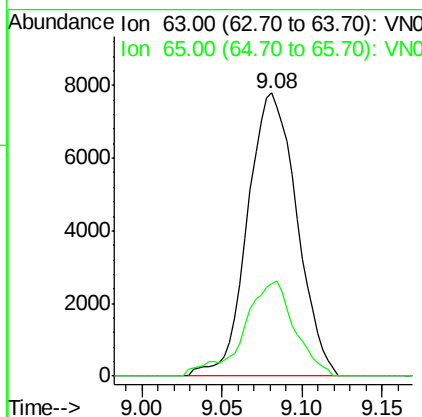
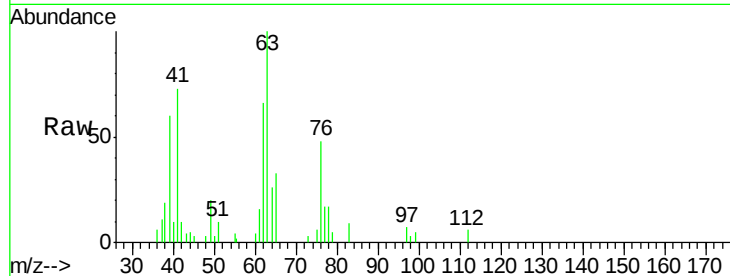
#39
 1,2-Dichloropropane
 Concen: 4.999 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16499
 Ion Ratio Lower Upper
 63 100
 65 32.9 26.1 39.1

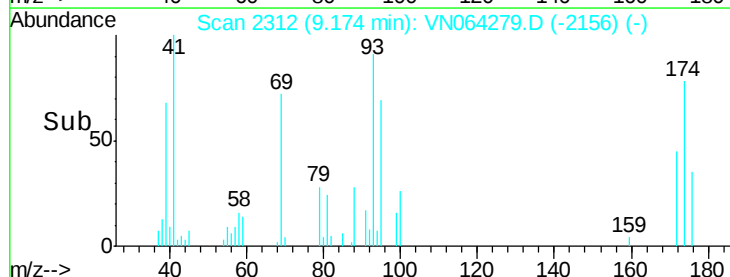
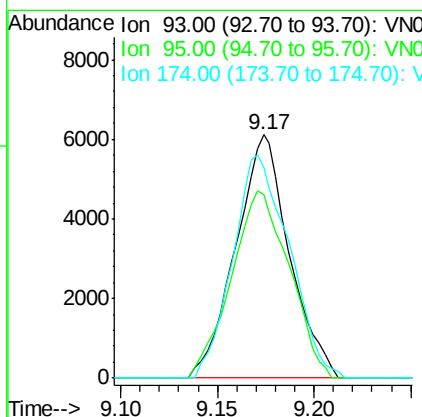
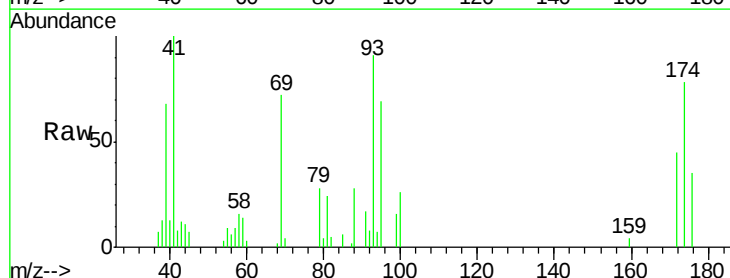
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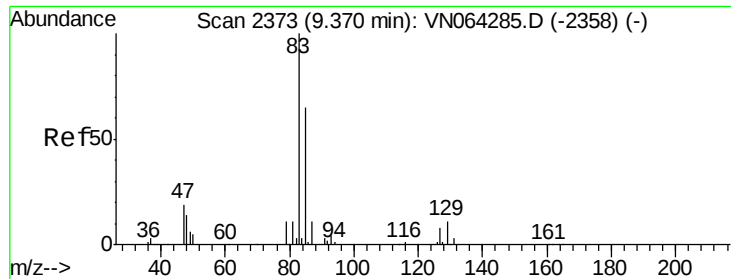
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#40
 Dibromomethane
 Concen: 5.093 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 93 Resp: 11768
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 156.6
 174 96.6 0.0 168.8





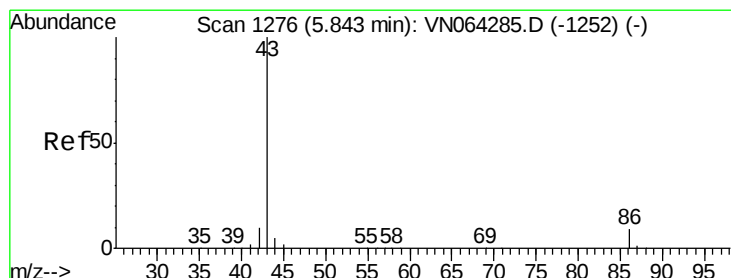
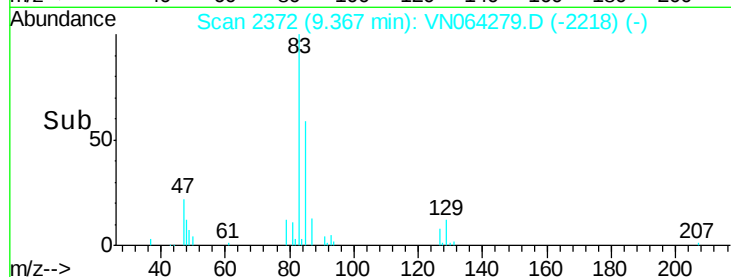
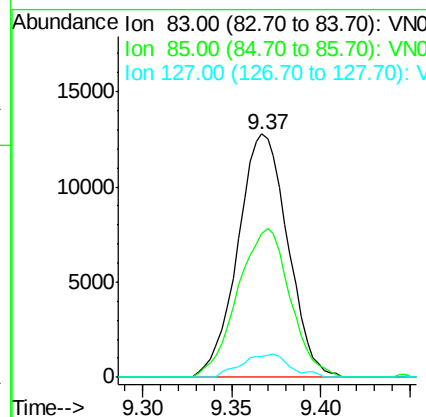
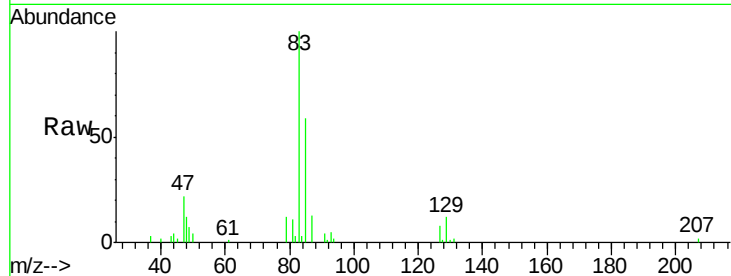
#41
Bromodichloromethane
Concen: 5.030 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	24886
Ion Ratio	100	Lower	Upper
83	100		
85	58.9	57.8	86.6
127	9.5	7.0	10.4

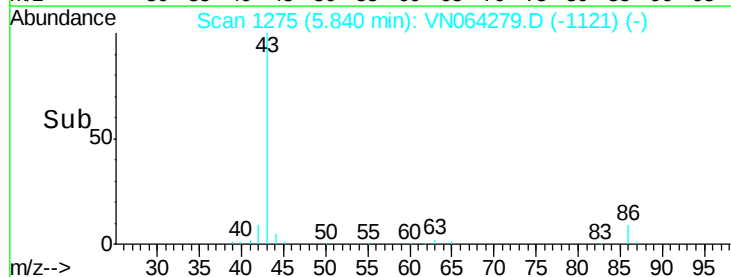
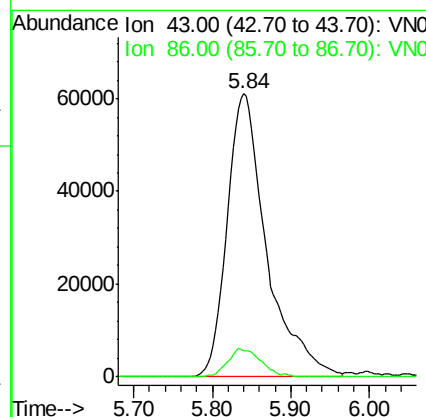
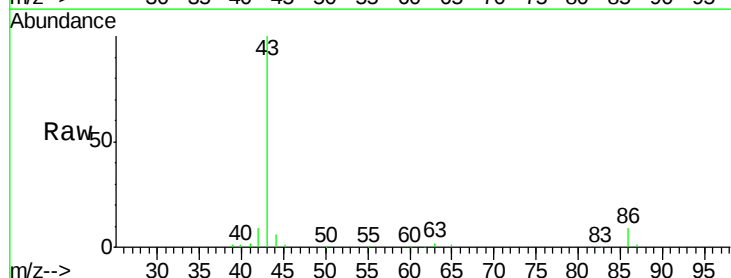
Manual Integrations
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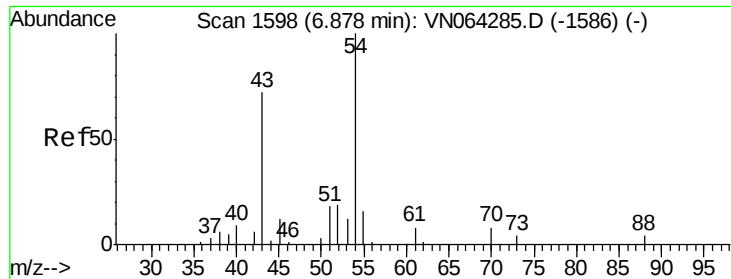
MMDadoda
10/26/2020 1:38:35 PM



#42
Vinyl Acetate
Concen: 24.539 ug/l
RT: 5.84 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	43	Resp	212929
Ion Ratio	100	Lower	Upper
43	100		
86	4.7	6.6	9.8#





#43

Ethyl Acetate

Concen: 5.495 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 21786

Ion Ratio Lower Upper

43 100

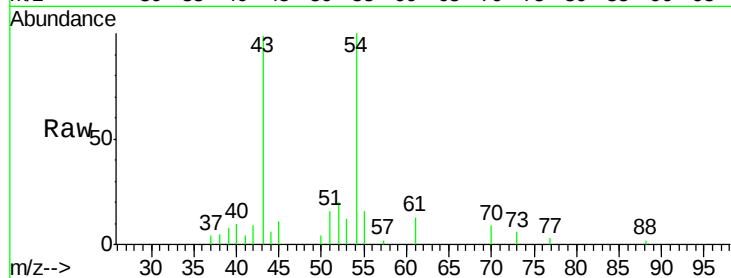
45 0.8 8.2 12.4#

Manual Integrations

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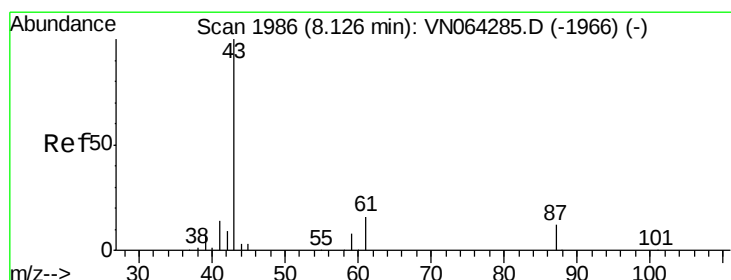
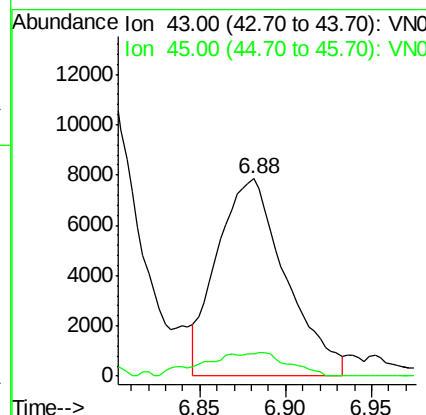
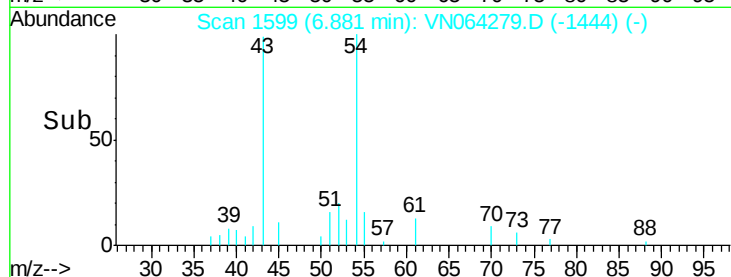
MMDadoda

10/26/2020 1:38:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064279.D (-1444) (-)

Ion 45.00 (44.70 to 45.70): VN064279.D (-1444) (-)



#44

Isopropyl Acetate

Concen: 4.828 ug/l

RT: 8.12 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN064279.D

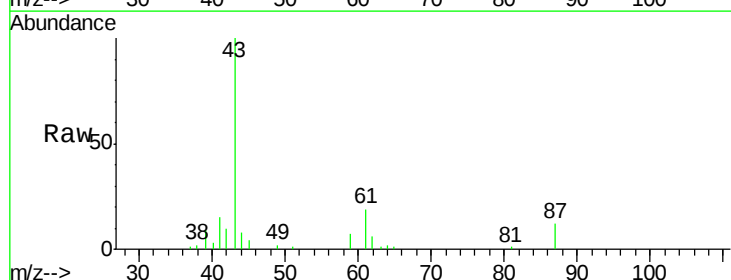
Acq: 23 Oct 2020 9:58

Tgt Ion: 43 Resp: 36698

Ion Ratio Lower Upper

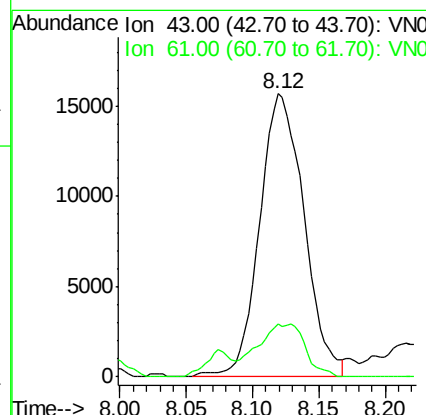
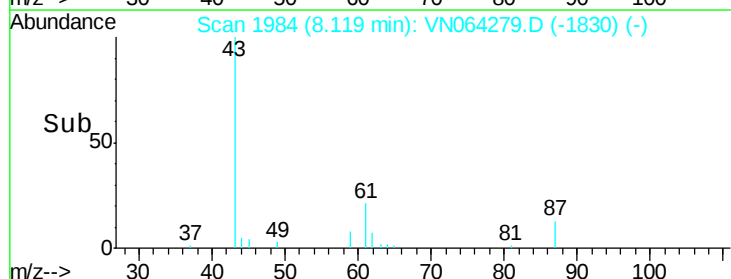
43 100

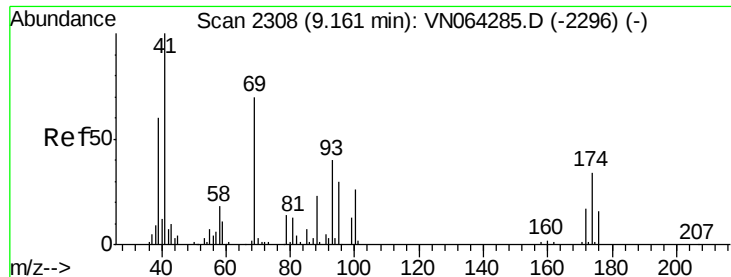
61 6.1 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN064279.D (-1830) (-)

Ion 61.00 (60.70 to 61.70): VN064279.D (-1830) (-)





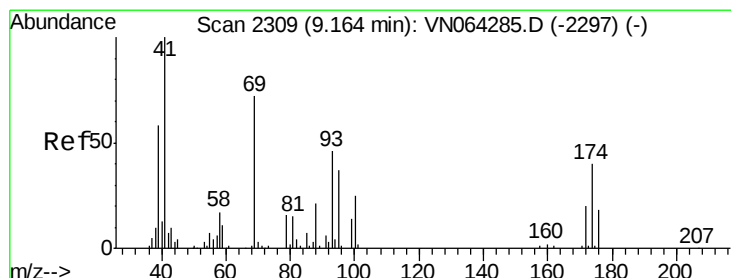
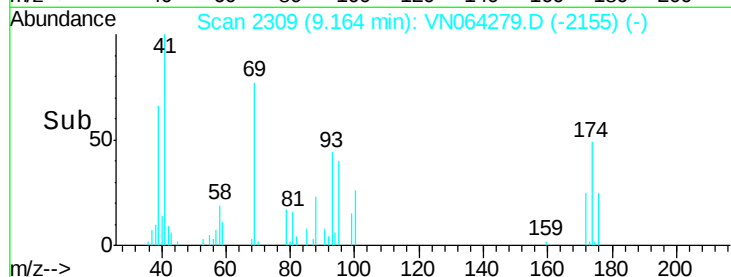
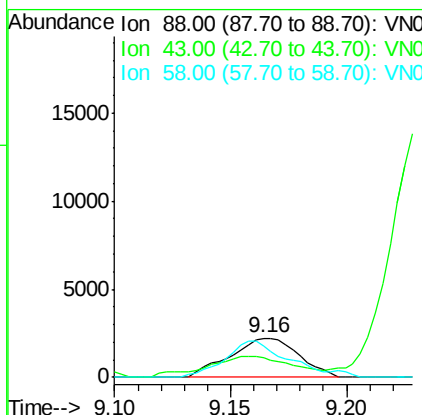
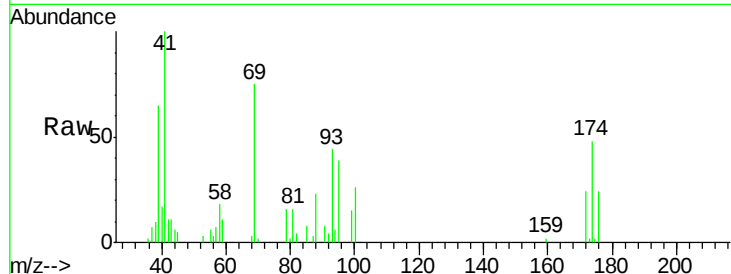
#45
1,4-Dioxane
Concen: 102.373 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	4596
Ion Ratio	100	Lower	Upper
43	38.5	34.7	52.1
58	81.8	65.8	98.6

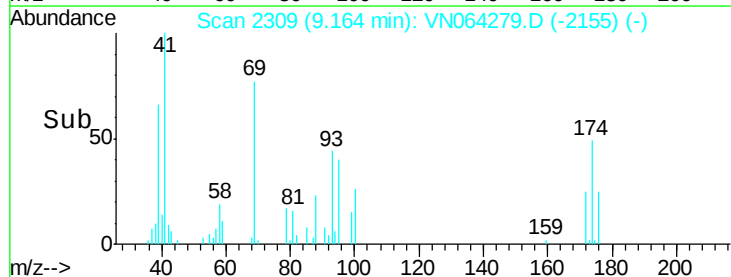
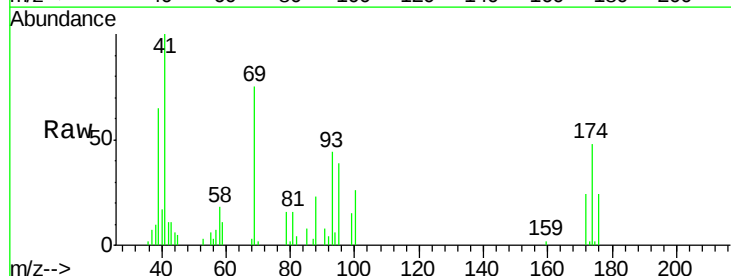
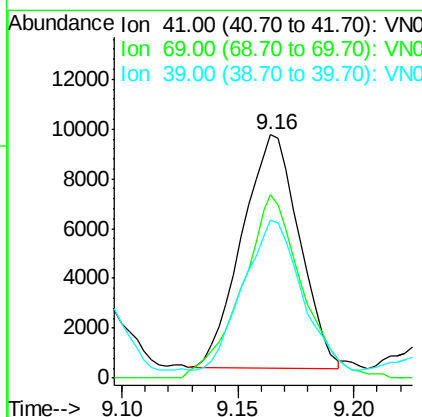
Manual Integrations
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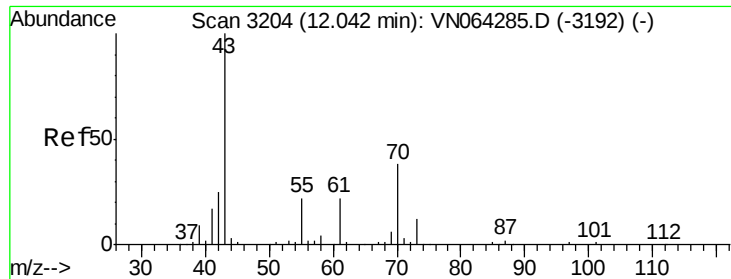
MMDadoda
10/26/2020 1:38:35 PM



#46
Methyl methacrylate
Concen: 4.399 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	41	Resp	16050
Ion Ratio	100	Lower	Upper
69	76.2	32.6	97.7
39	64.4	31.1	93.3





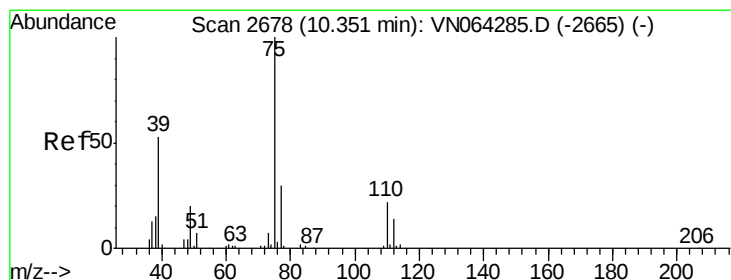
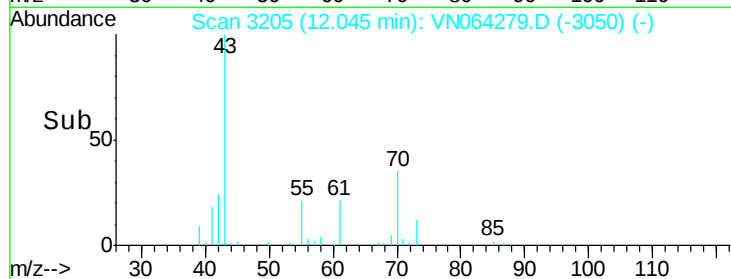
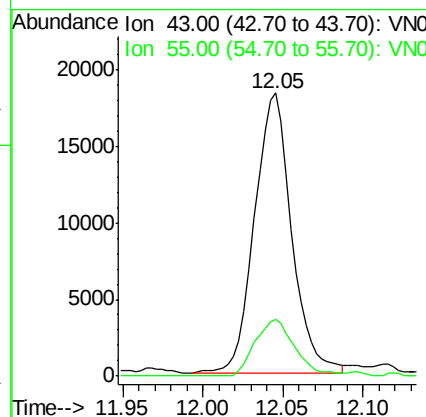
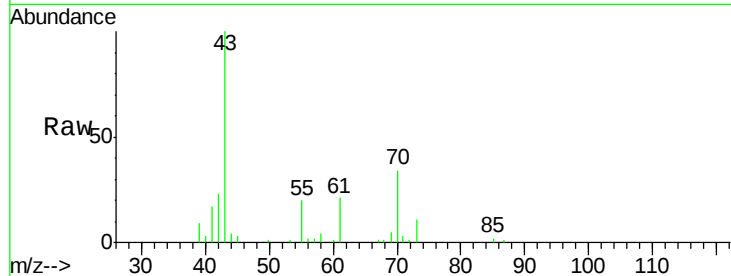
#47
n-amvl Acetate
Concen: 4.278 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
55	21.2	18.2	27.2

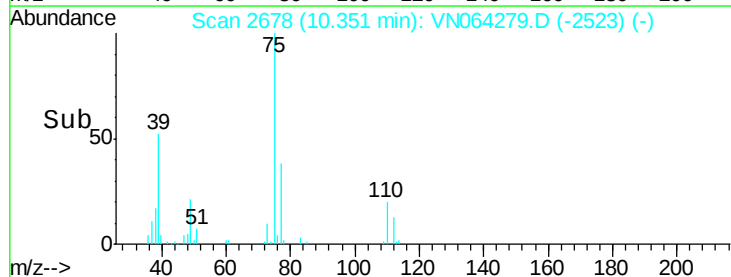
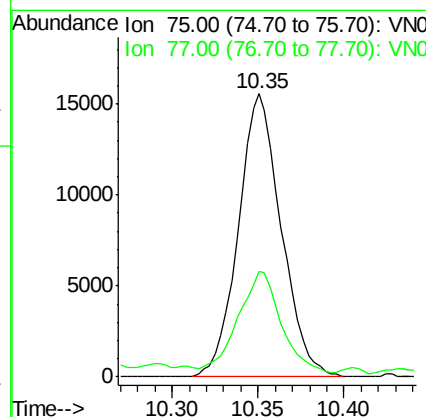
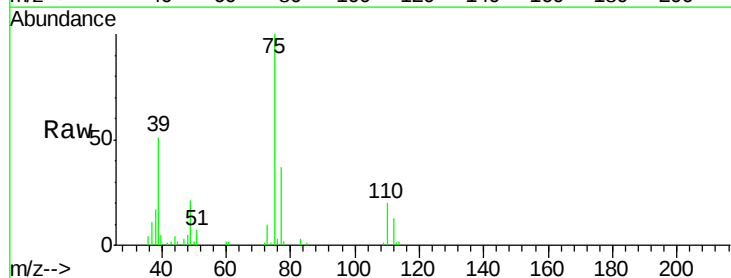
Manual Integrations
APPROVED

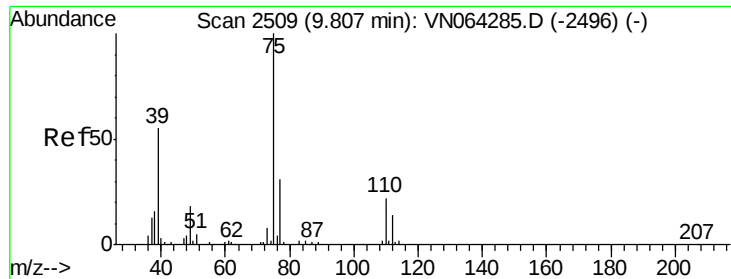
MMDadoda
10/26/2020 1:38:35 PM



#48
t-1,3-Dichloropropene
Concen: 4.819 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.4	38.0





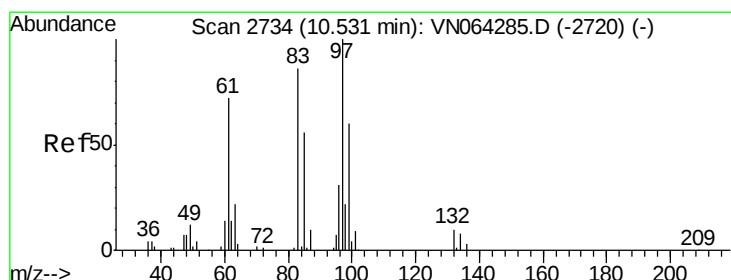
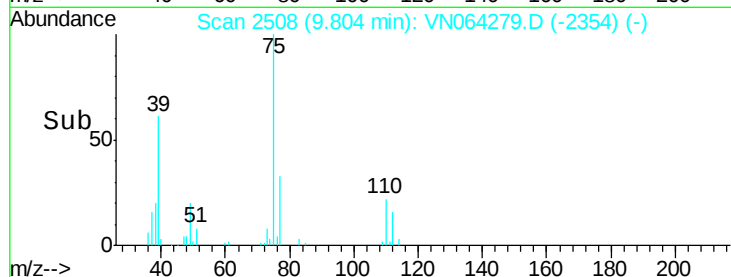
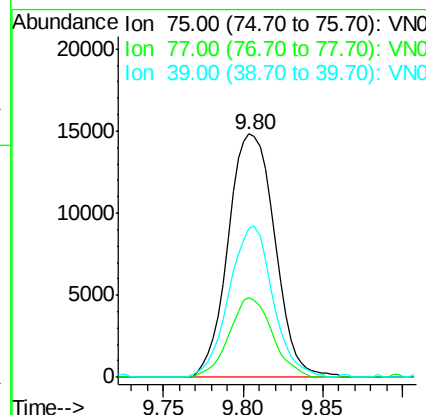
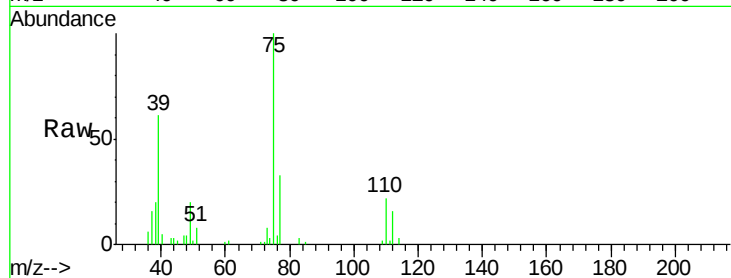
#49
 cis-1,3-Dichloropropene
 Concen: 5.129 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.7	35.5
39	60.2	46.9	70.3

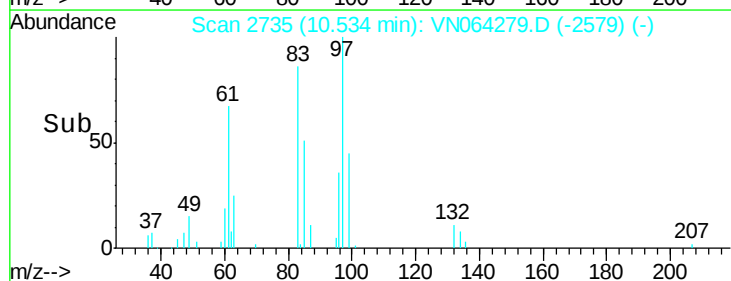
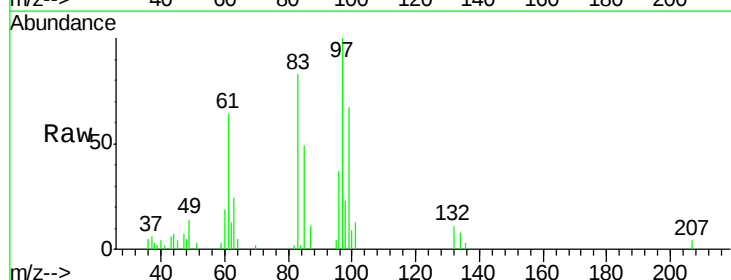
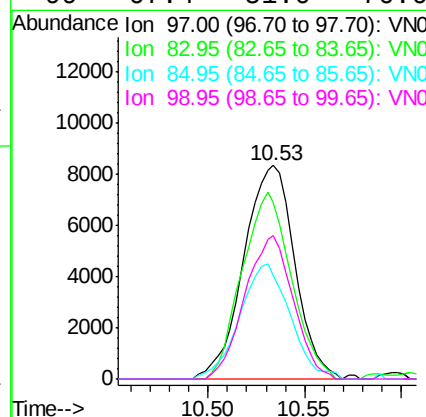
Manual Integrations
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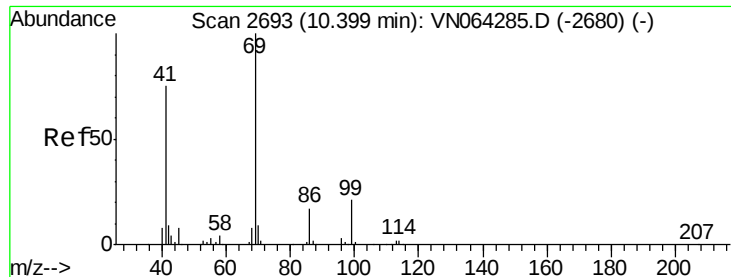
MMDadoda
 10/26/2020 1:38:35 PM



#50
 1,1,2-Trichloroethane
 Concen: 4.997 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.9	103.3
85	48.8	37.8	56.8
99	67.4	51.0	76.6





#51

Ethyl methacrylate

Concen: 4.619 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

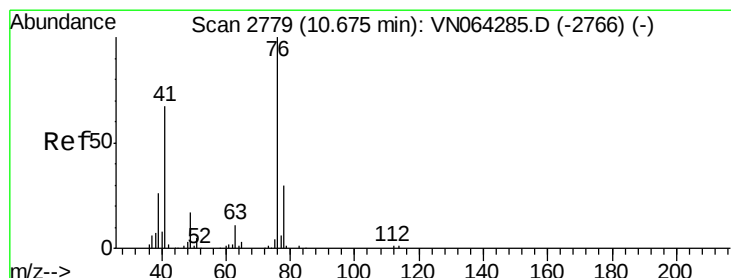
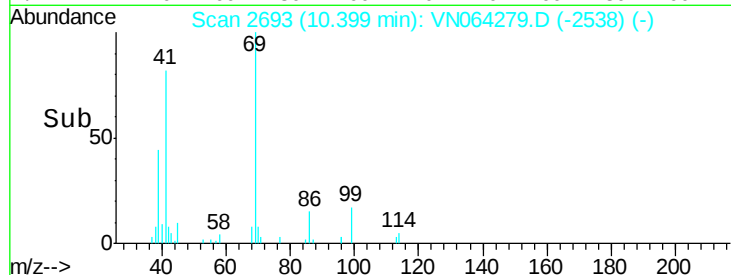
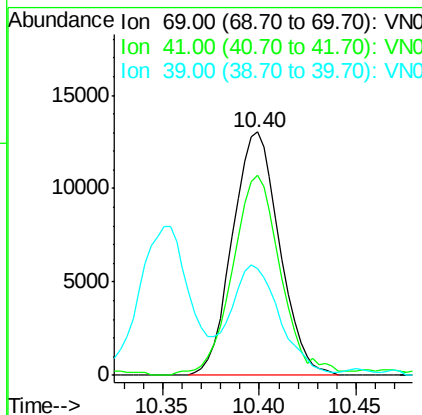
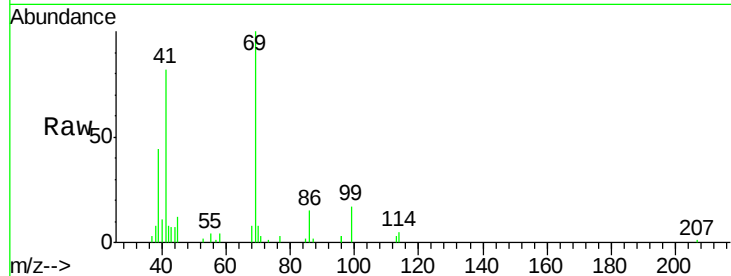
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	22071
Ion	Ratio	Lower	Upper
69	100		
41	80.4	43.6	130.9
39	42.3	25.8	77.3

Manual Integrations
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10/26/2020 1:38:35 PM



#52

1,3-Dichloropropane

Concen: 5.117 ug/l

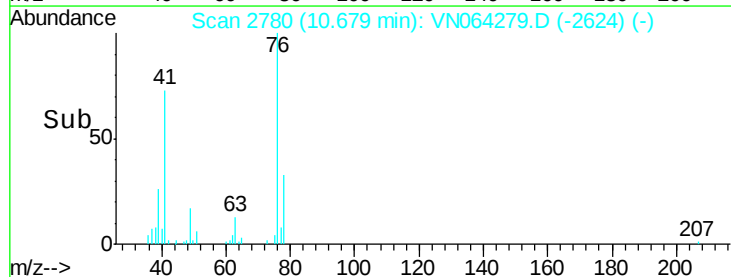
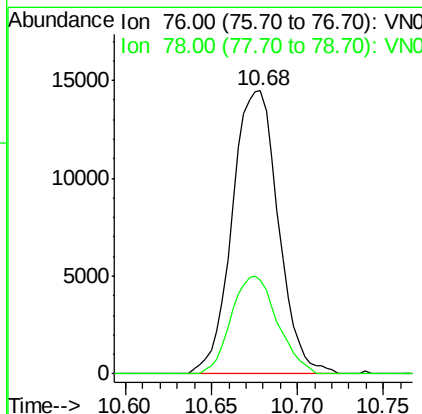
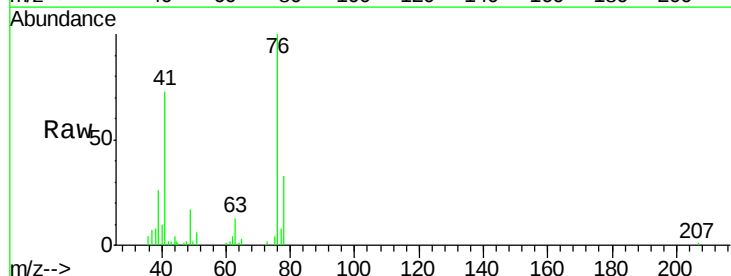
RT: 10.68 min Scan# 2780

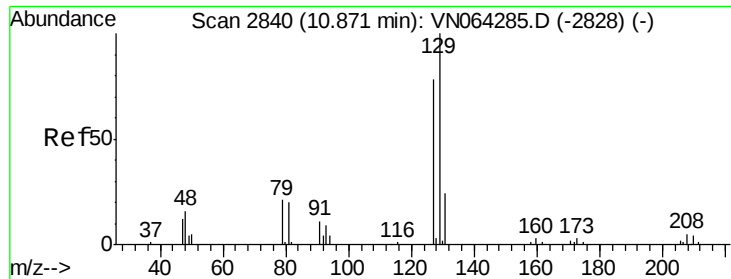
Delta R.T. 0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Tgt Ion:	76	Resp:	27077
Ion	Ratio	Lower	Upper
76	100		
78	34.5	0.0	64.6





#53

Dibromochloromethane

Concen: 4.805 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 18257

Ion Ratio Lower Upper

129 100

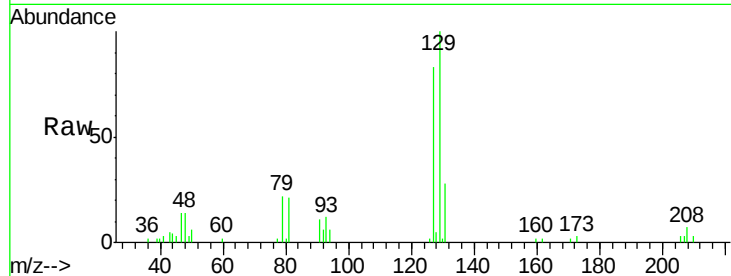
127 75.9 42.4 127.2

Manual Integrations

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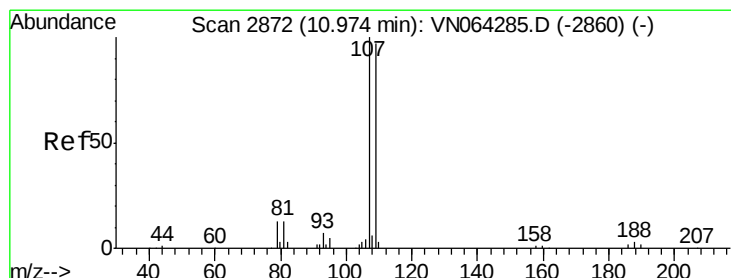
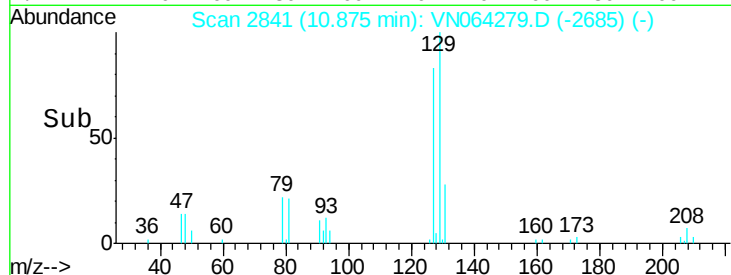
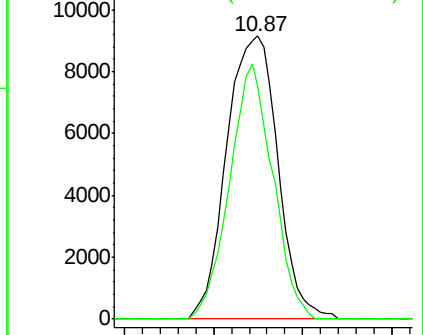
MMDadoda

10/26/2020 1:38:35 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.958 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064279.D

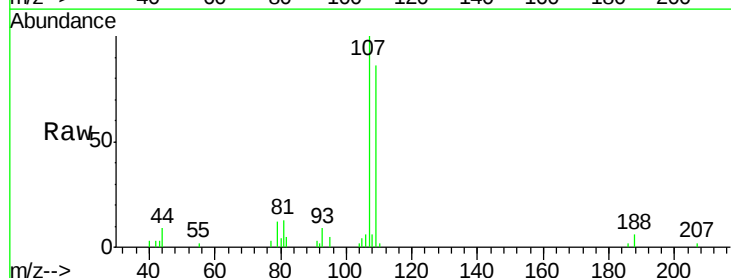
Acq: 23 Oct 2020 9:58

Tgt Ion:107 Resp: 16062

Ion Ratio Lower Upper

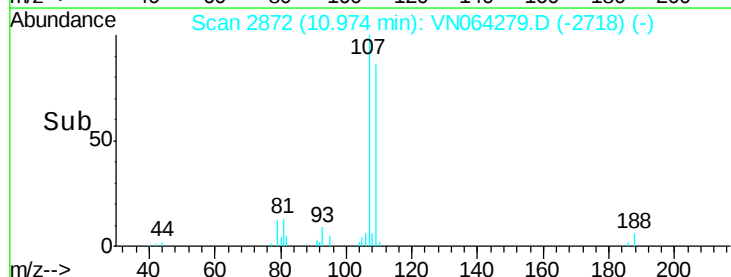
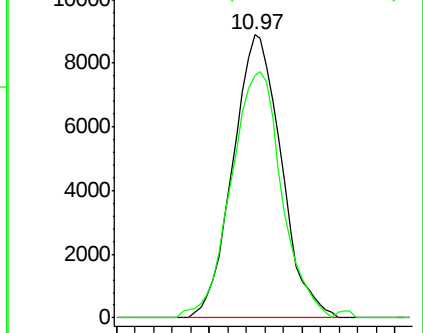
107 100

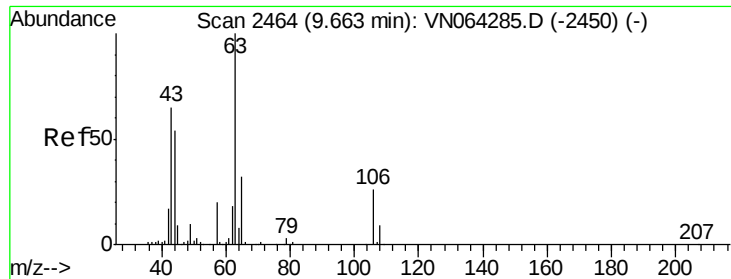
109 91.1 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





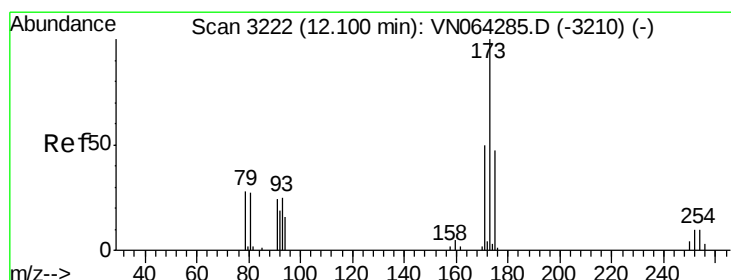
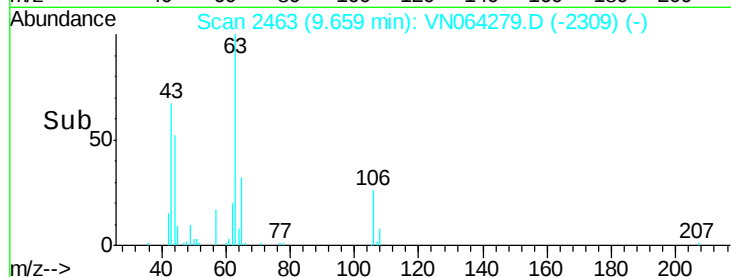
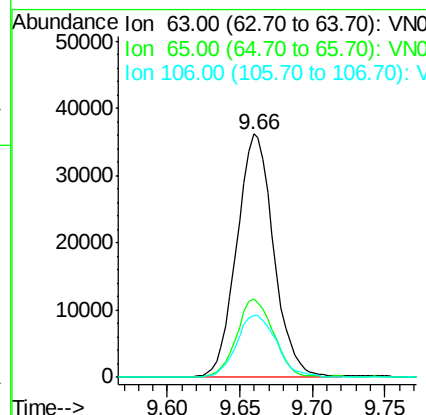
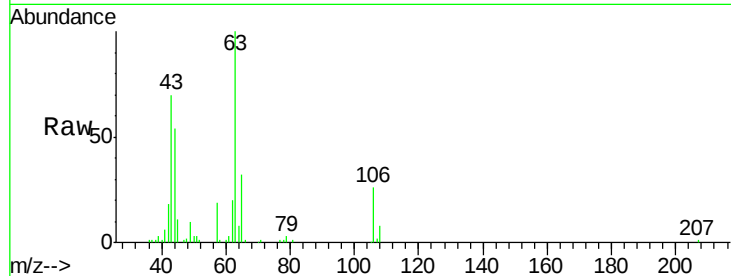
#55
 2-Chloroethyl vinyl ether
 Concen: 29.444 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.2	37.8
106	27.6	20.6	31.0

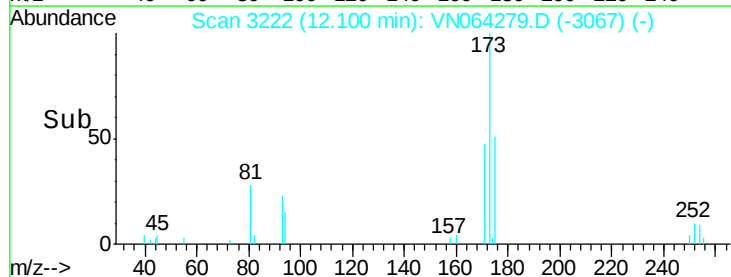
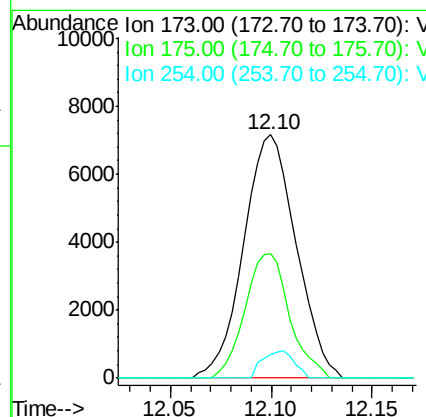
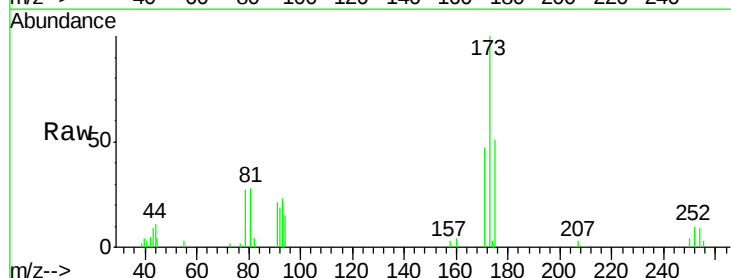
Manual Integrations
 APPROVED

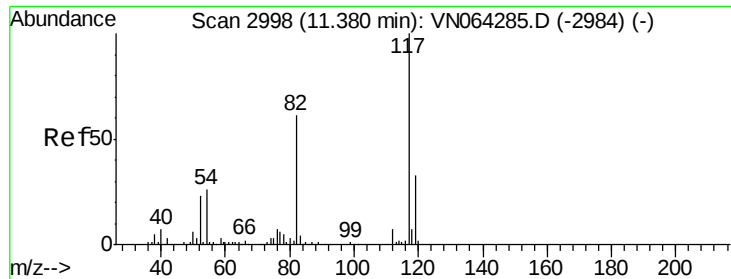
MMDadoda
 10/26/2020 1:38:35 PM



#56
 Bromoform
 Concen: 4.898 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.5	39.5	59.3
254	6.7	5.0	7.4





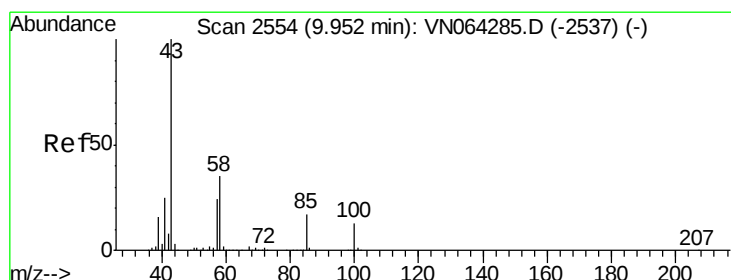
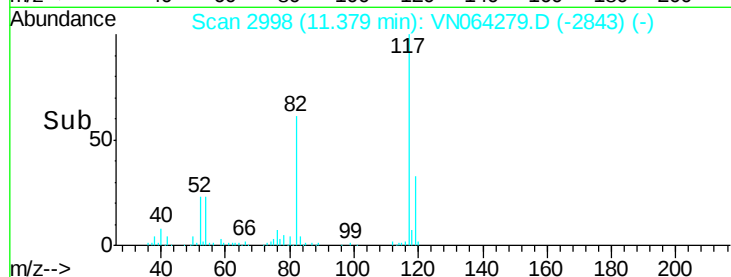
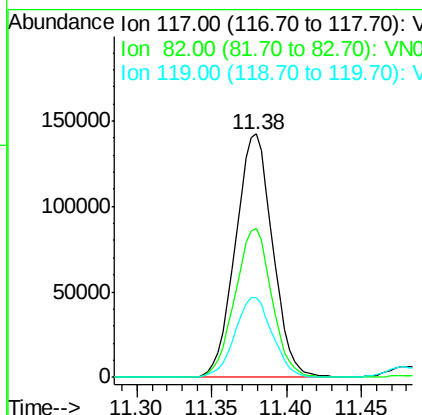
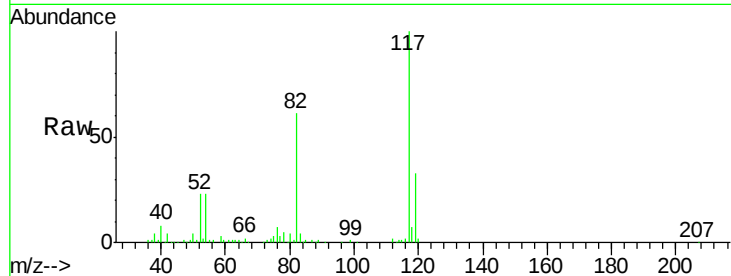
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246767		
82	60.5	47.0	70.6	
119	32.9	24.6	37.0	

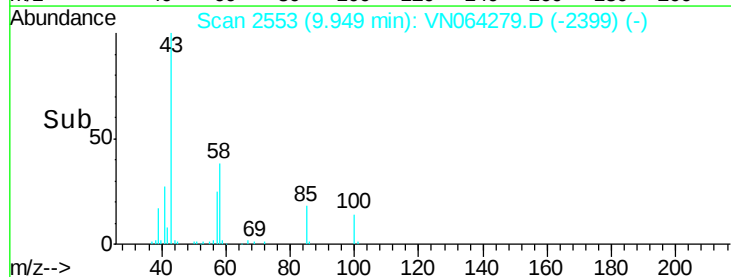
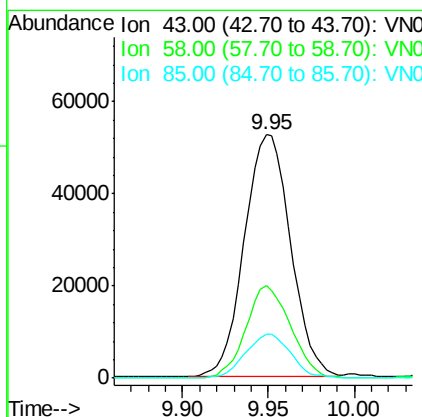
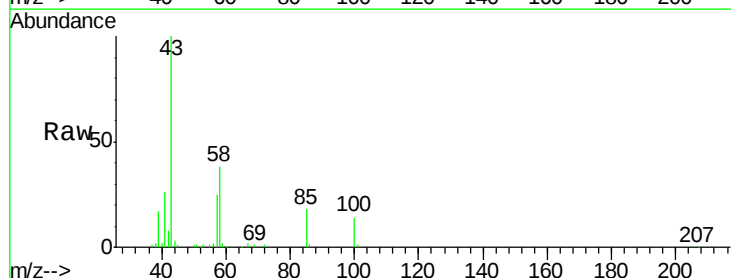
Manual Integrations
APPROVED

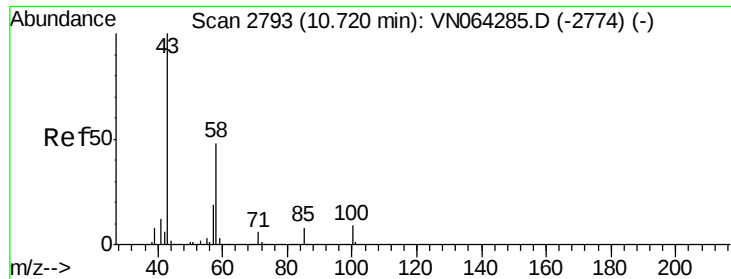
MMDadoda
10/26/2020 1:38:35 PM



#58
4-Methyl-2-Pentanone
Concen: 24.049 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	97896		
58	36.8	28.6	43.0	
85	17.8	13.7	20.5	





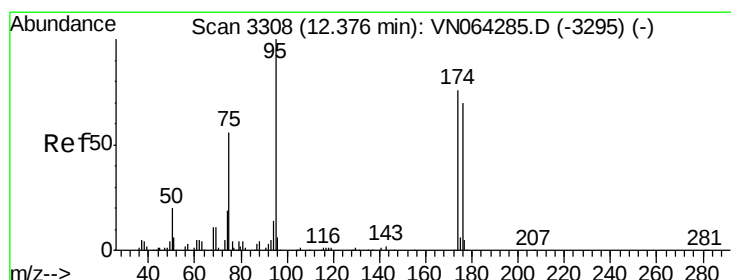
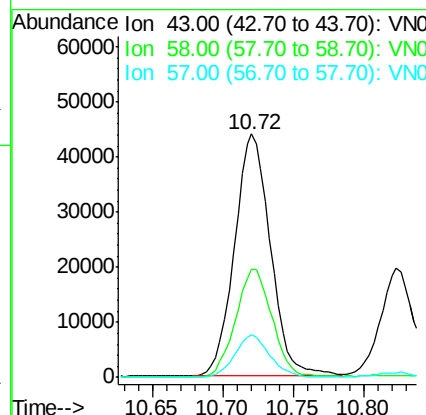
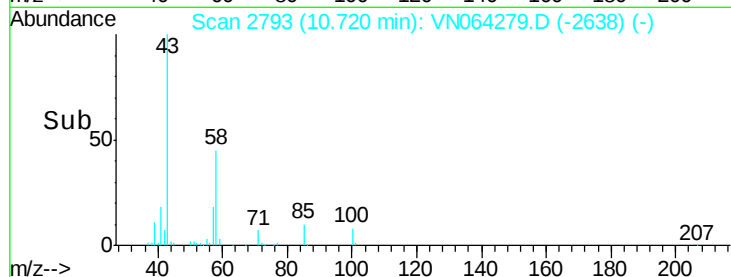
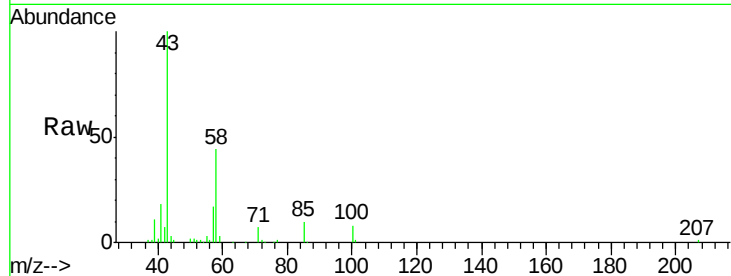
#59
2-Hexanone
Concen: 25.962 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.4	40.5	60.7
57	17.1	15.4	23.0

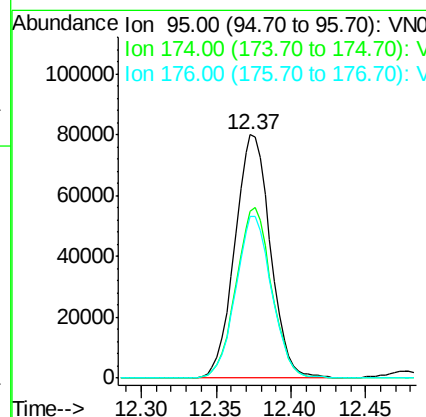
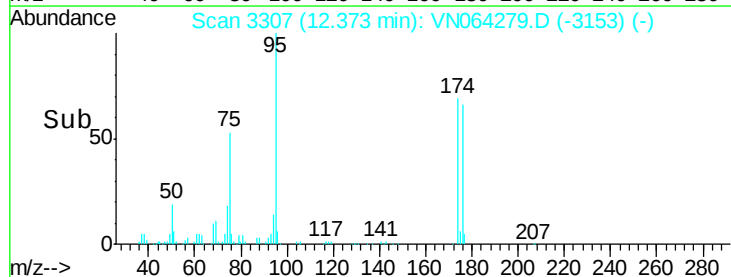
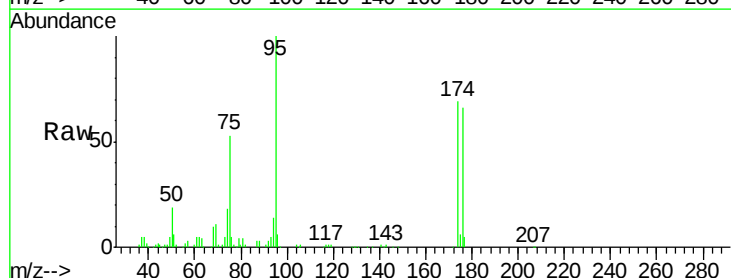
Manual Integrations
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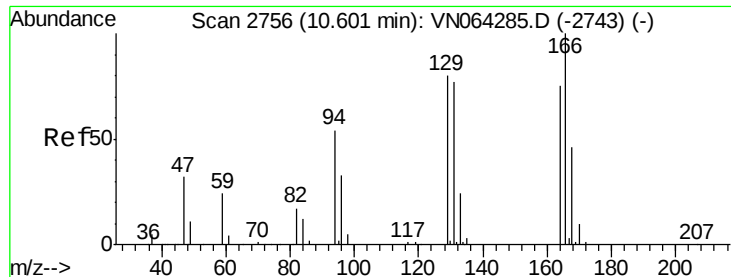
MMDadoda
10/26/2020 1:38:35 PM



#60
4-Bromofluorobenzene
Concen: 30.224 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	57.9	86.9
176	67.2	56.7	85.1





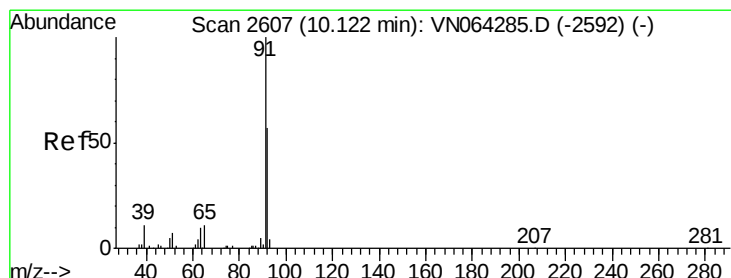
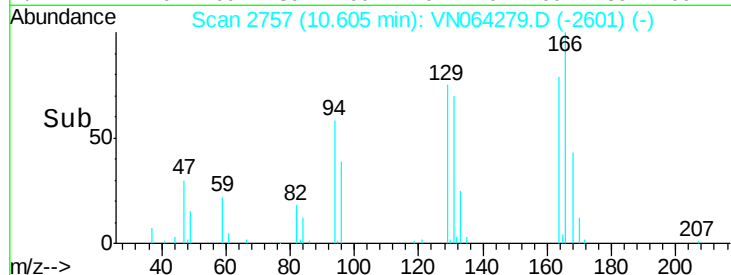
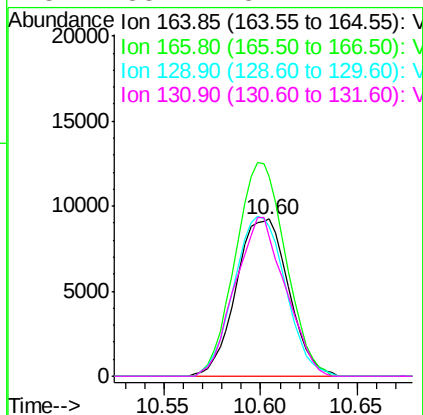
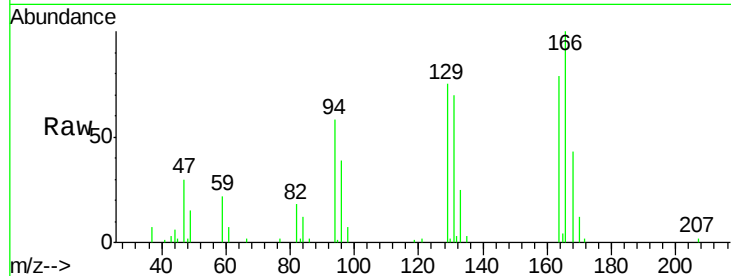
#61
Tetrachloroethene
Concen: 5.407 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	107.4	161.0
129	95.4	84.3	126.5
131	88.7	81.1	121.7

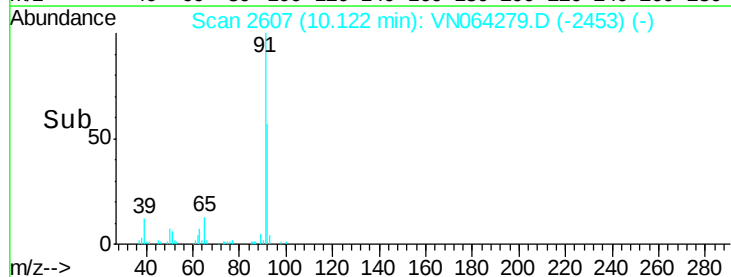
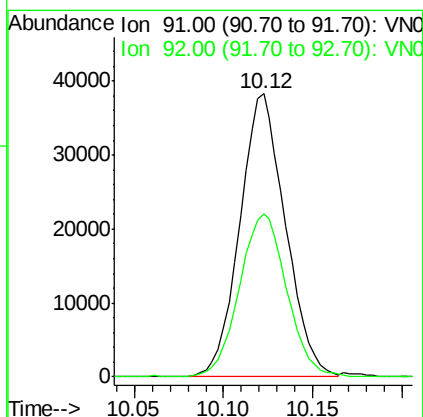
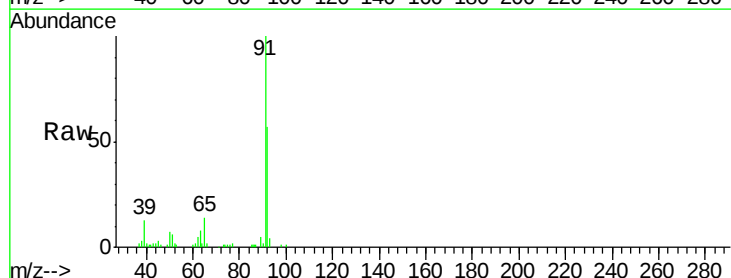
Manual Integrations
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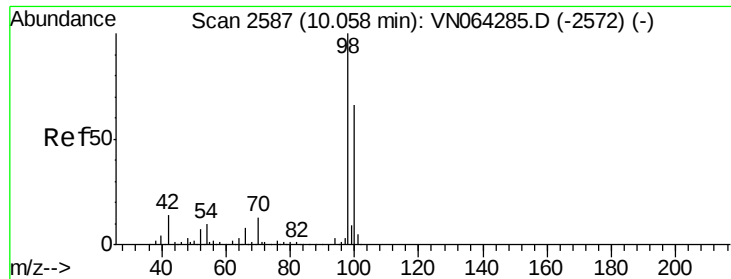
MMDadoda
10/26/2020 1:38:35 PM



#62
Toluene
Concen: 5.014 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	46.4	69.6





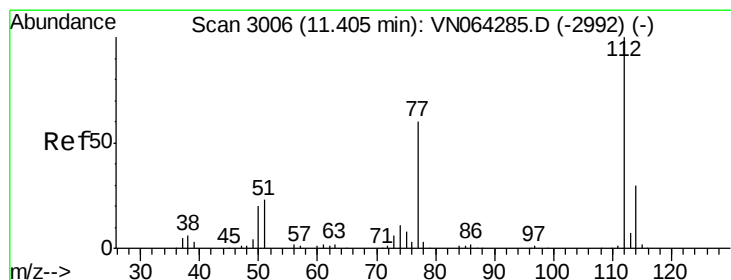
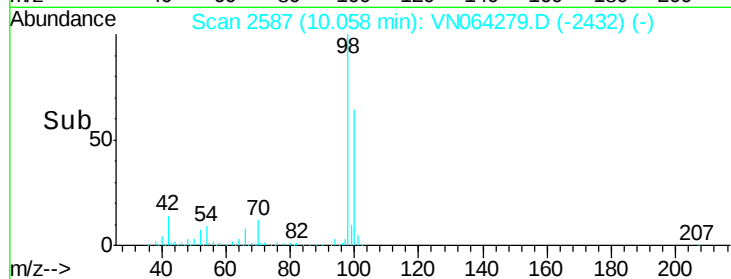
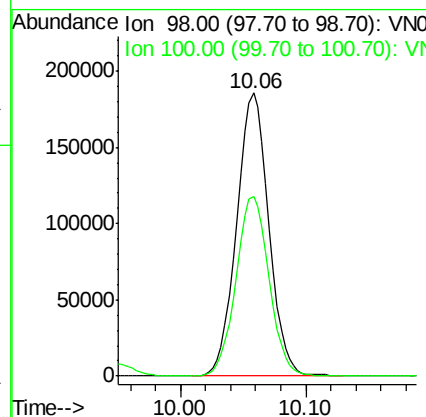
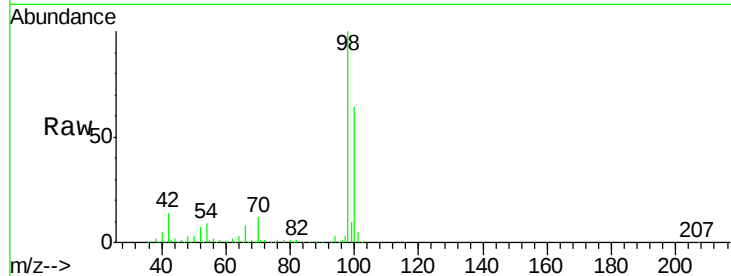
#63
Toluene-d8
Concen: 29.660 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 330516
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

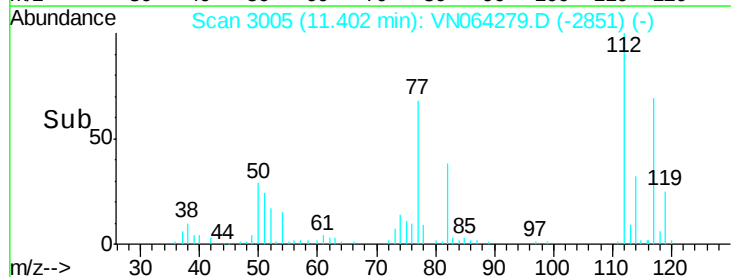
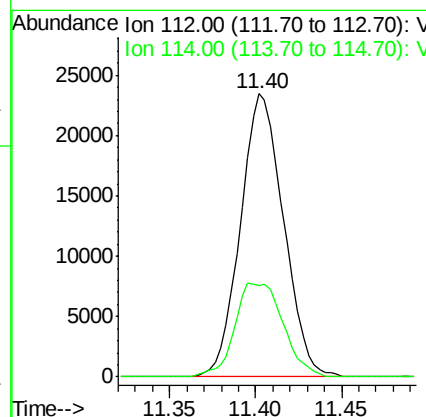
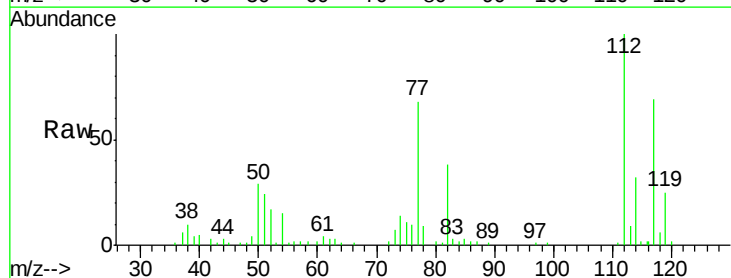
Manual Integrations
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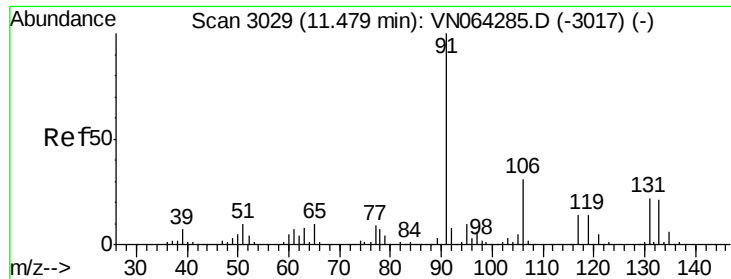
MMDadoda
10/26/2020 1:38:35 PM



#64
Chlorobenzene
Concen: 4.820 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 112 Resp: 40844
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7





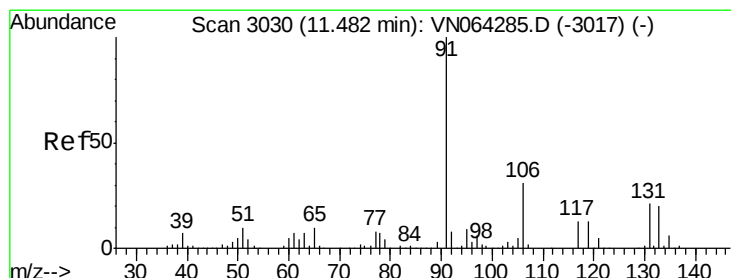
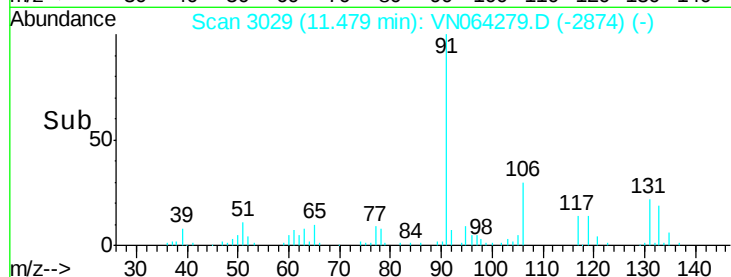
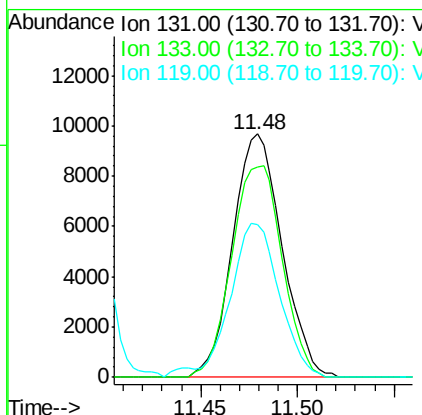
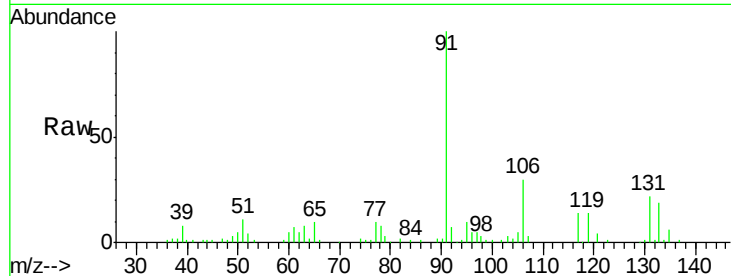
#65
1,1,1,2-Tetrachloroethane
Concen: 5.130 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	89.5	0.0	193.4
119	62.2	0.0	125.2

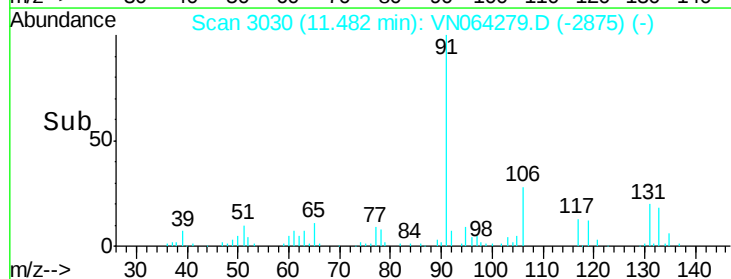
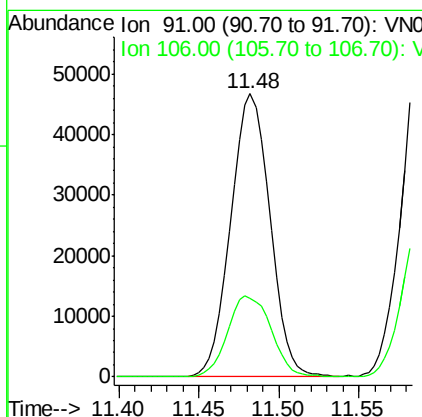
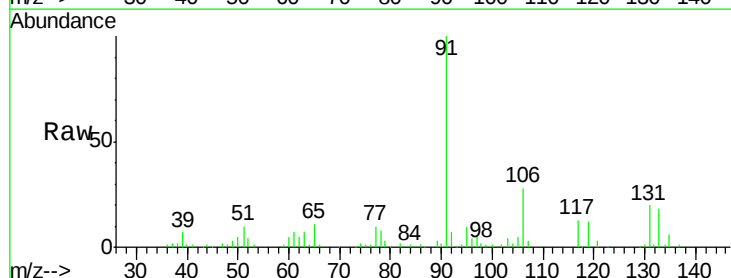
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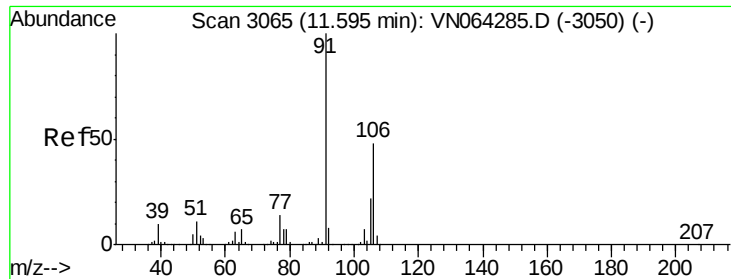
MMDadoda
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#66
Ethyl Benzene
Concen: 5.016 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.7	23.8	35.6





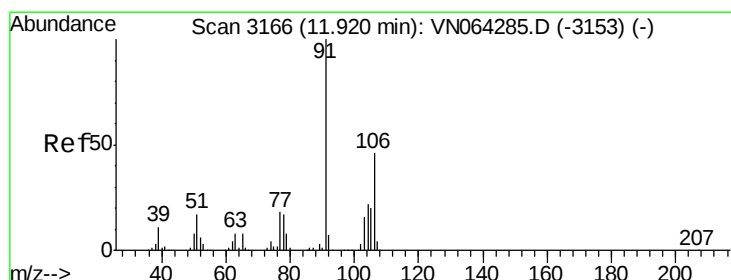
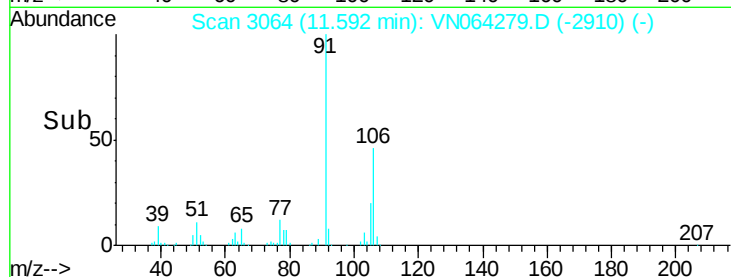
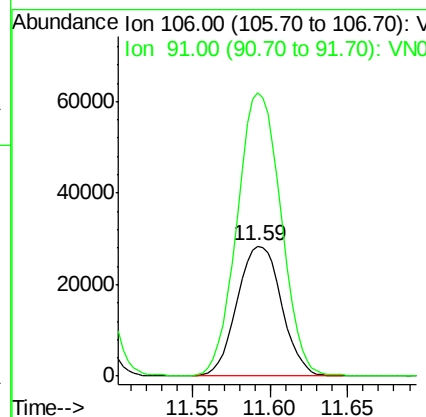
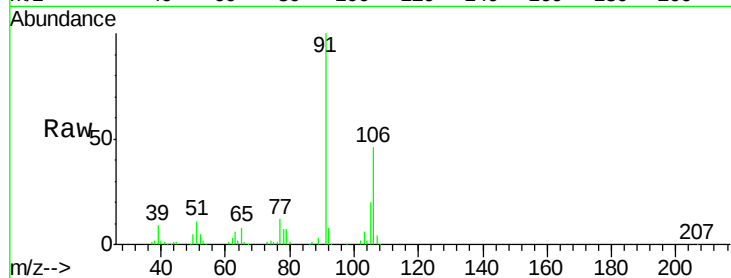
#67
m/p-Xylenes
Concen: 9.766 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 56860
Ion Ratio Lower Upper
106 100
91 215.1 170.6 255.8

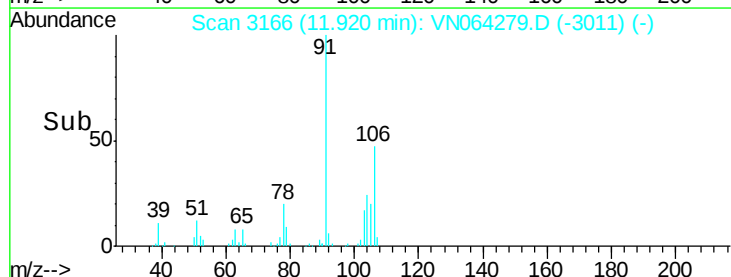
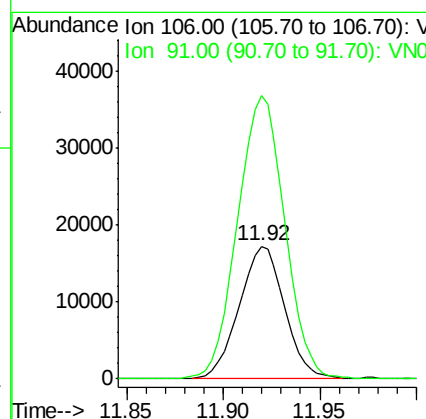
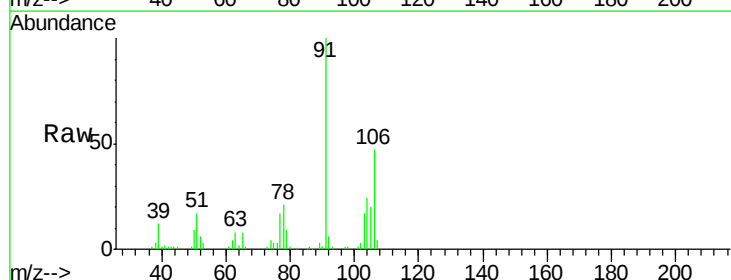
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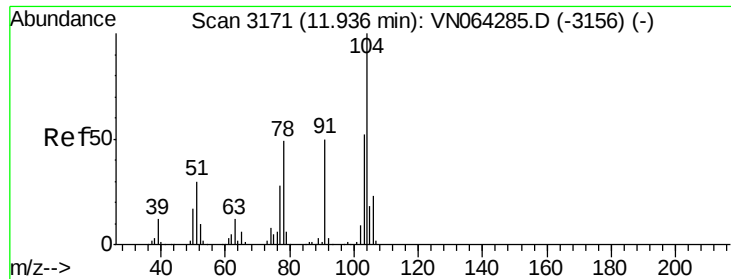
MMDadoda
10/26/2020 1:38:35 PM



#68
o-Xylene
Concen: 4.966 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion:106 Resp: 28044
Ion Ratio Lower Upper
106 100
91 222.0 115.3 346.0





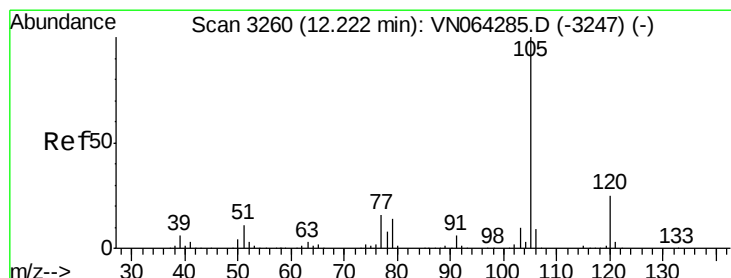
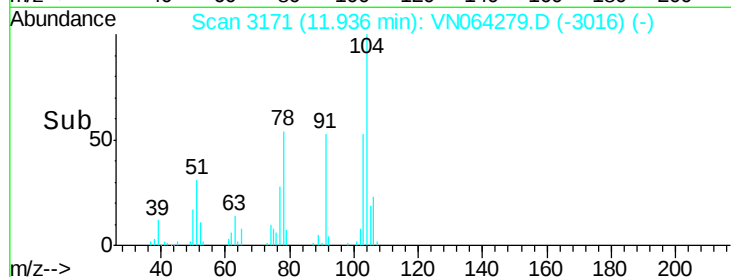
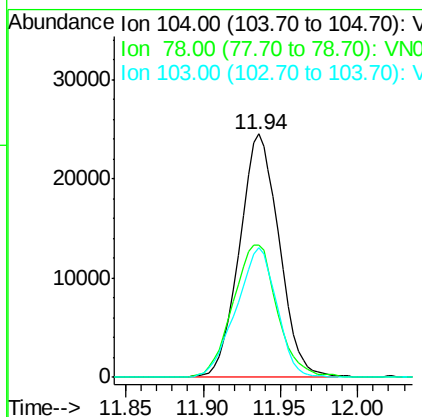
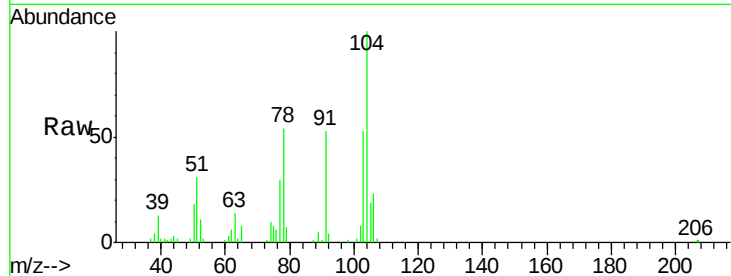
#69
Stvrene
Concen: 4.588 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.4	45.4	68.2
103	54.5	44.6	67.0

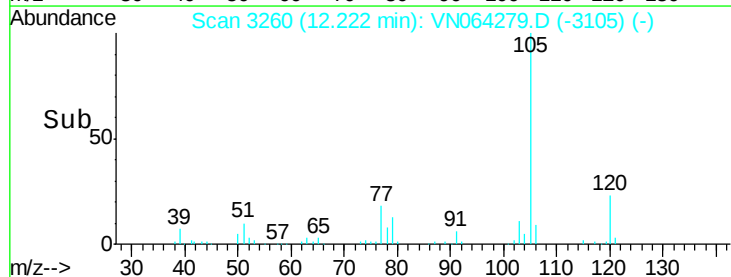
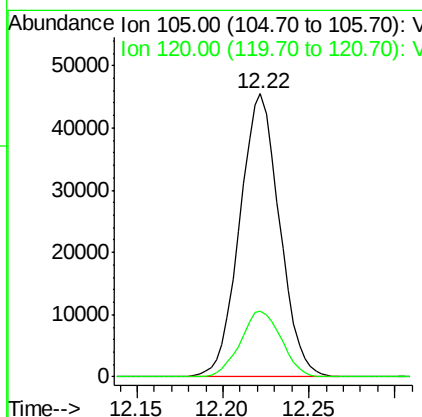
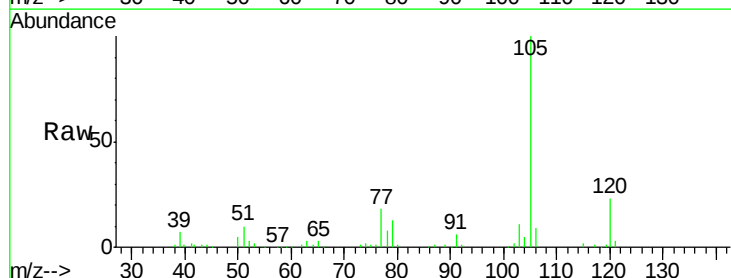
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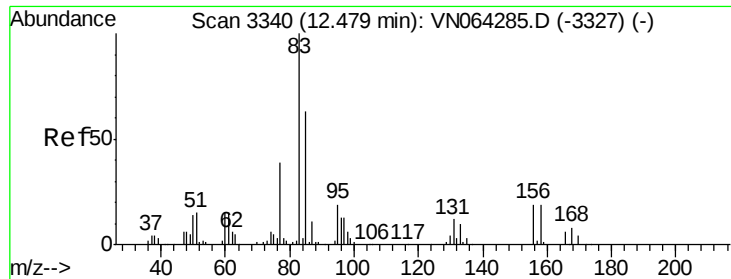
MMDadoda
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#70
Isopropylbenzene
Concen: 4.909 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.7	18.6	34.5





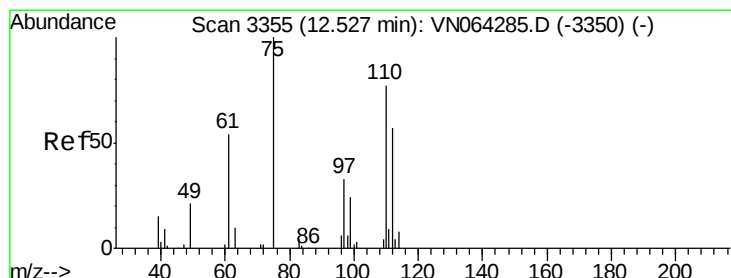
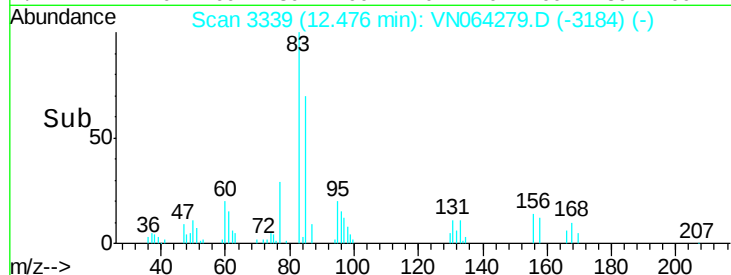
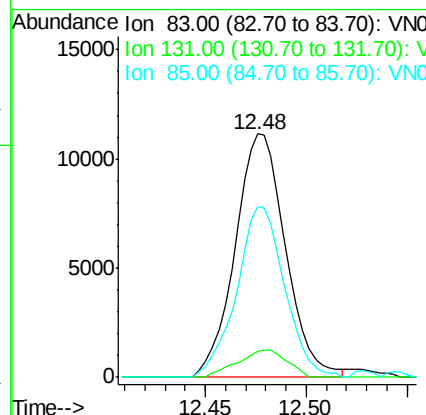
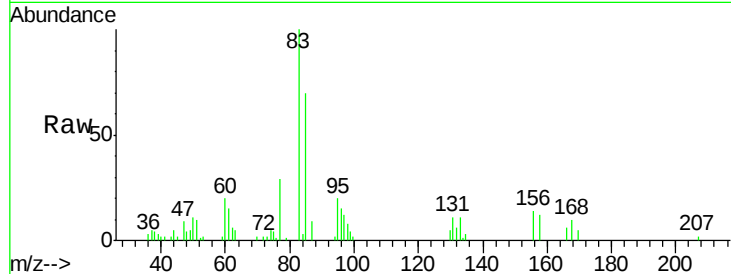
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.762 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	19470		
131	11.0	5.7	17.0	
85	66.7	33.3	99.8	

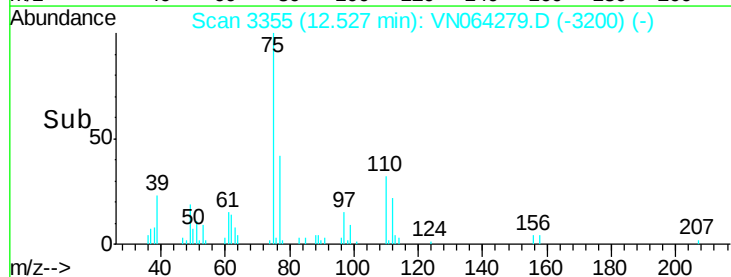
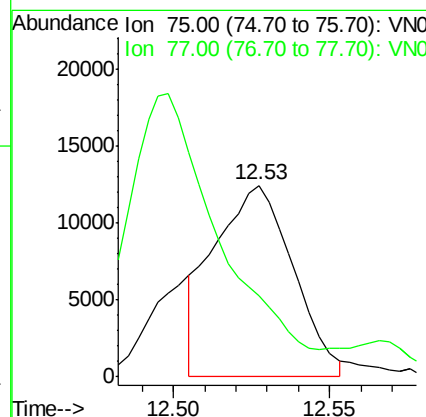
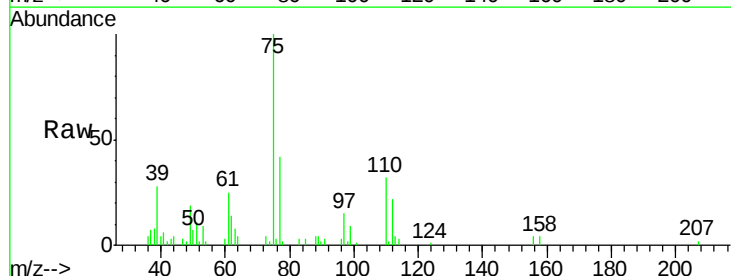
Manual Integrations
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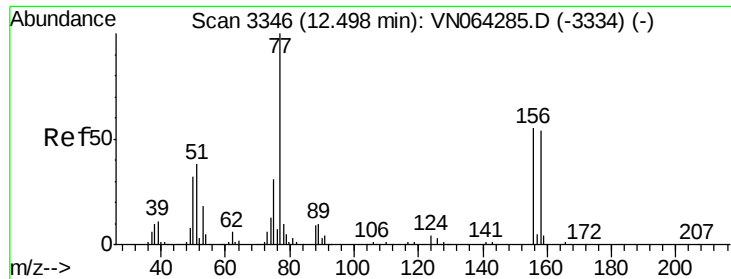
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 10/26/2020 1:38:35 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.072 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21849		
77	180.0	0.0	365.2	





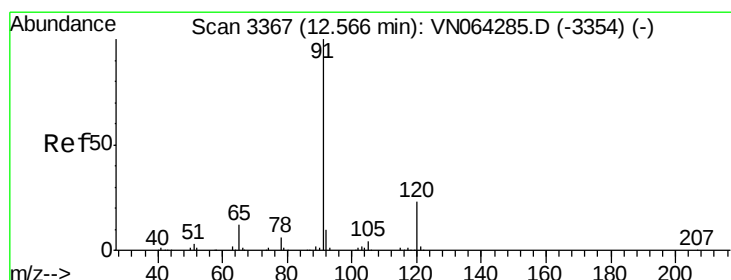
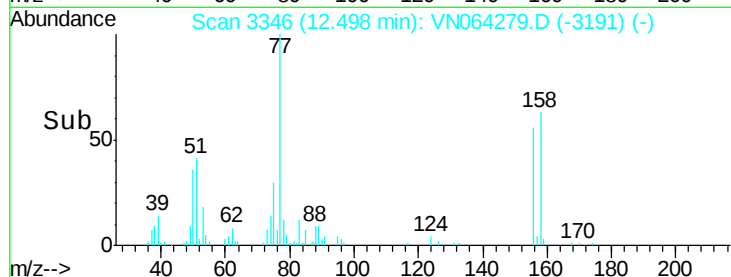
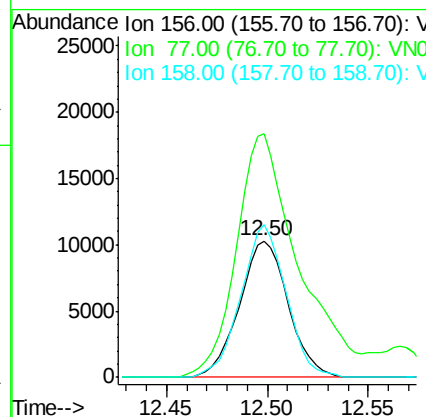
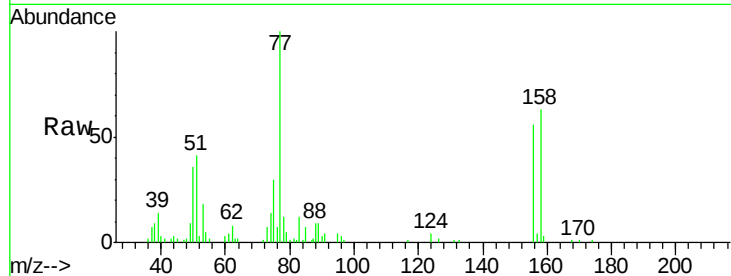
#73
Bromobenzene
Concen: 4.886 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.0	0.0	450.2
158	103.9	0.0	194.8

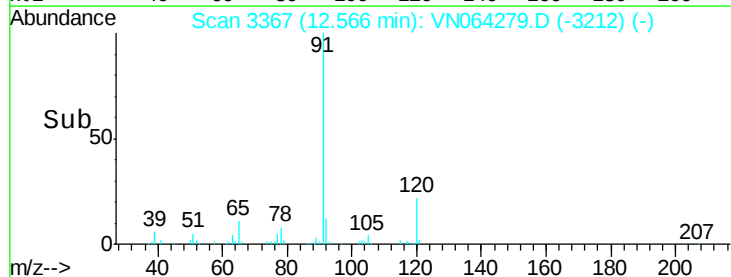
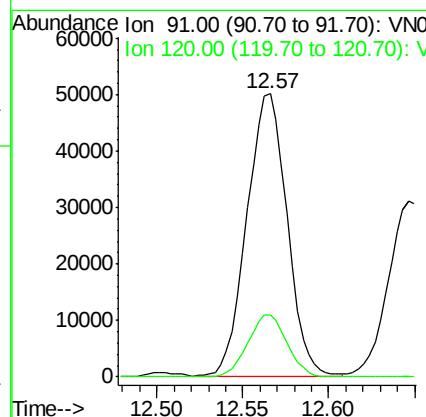
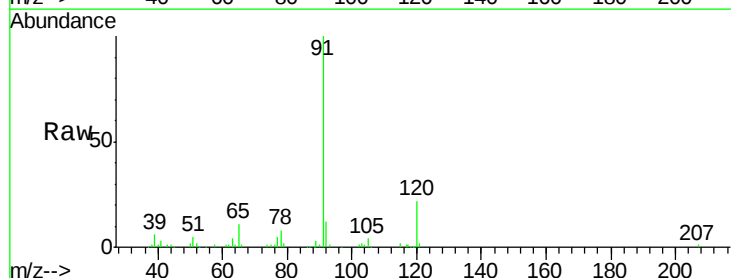
Manual Integrations
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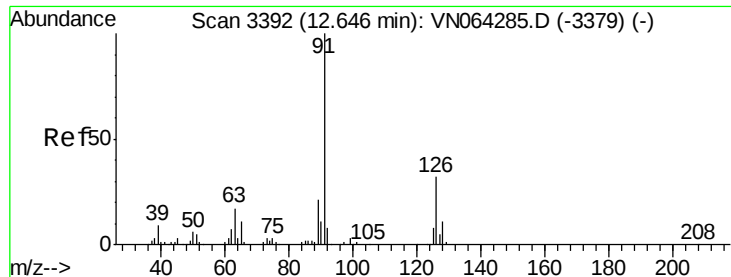
MMDadoda
10/26/2020 1:38:35 PM



#74
n-propylbenzene
Concen: 4.776 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	43.6





#75

2-Chlorotoluene

Concen: 5.003 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52639

Ion Ratio Lower Upper

91 100

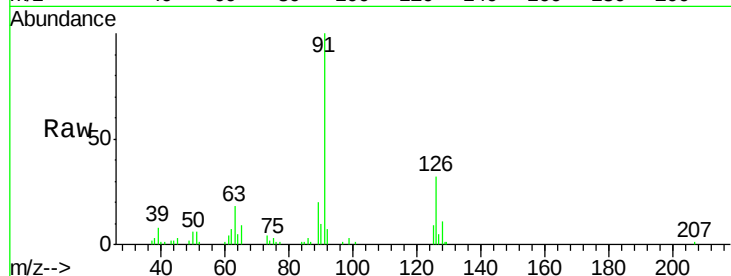
126 29.4 0.0 62.8

Manual Integrations

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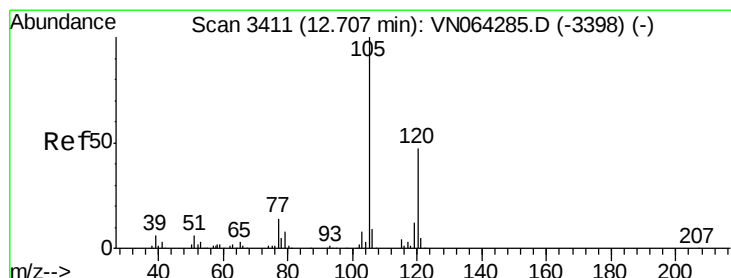
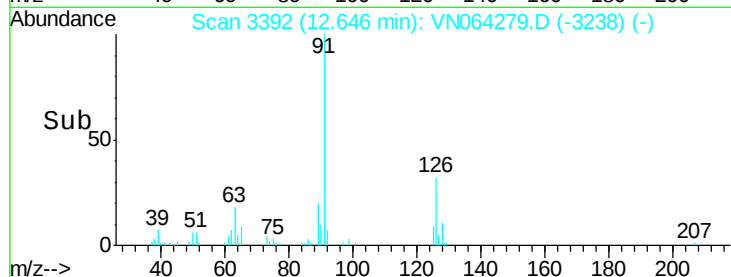
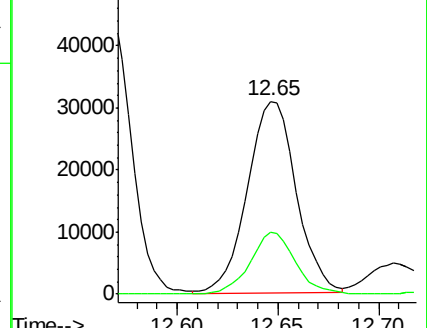
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN064285.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN064285.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.841 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064279.D

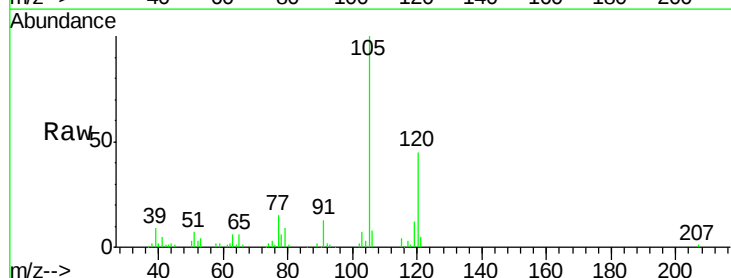
Acq: 23 Oct 2020 9:58

Tgt Ion: 105 Resp: 61423

Ion Ratio Lower Upper

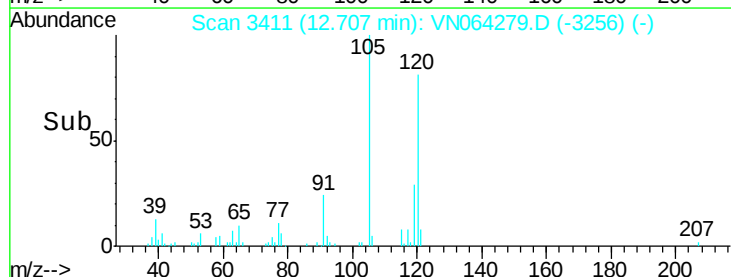
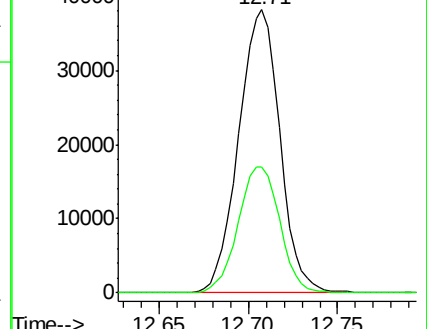
105 100

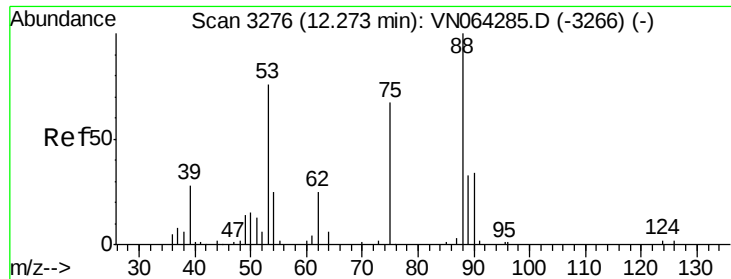
120 44.9 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064285.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064285.D (-3398) (-)





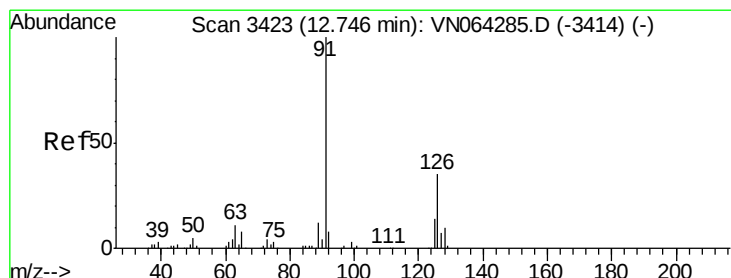
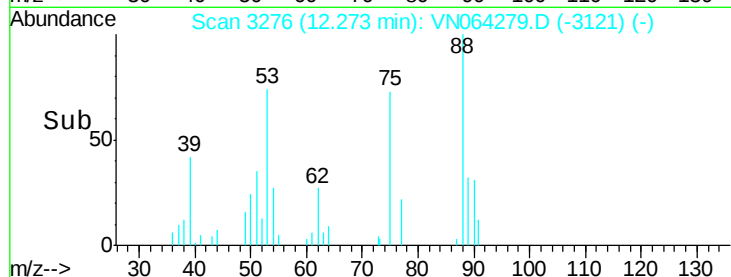
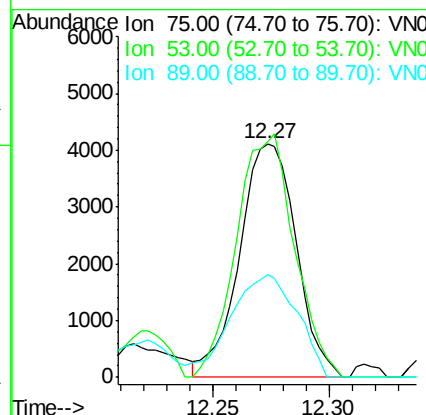
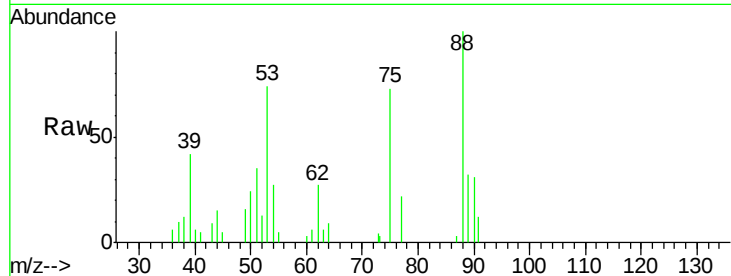
#77
t-1,4-Dichloro-2-butene
Concen: 4.175 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	44.8	134.3
89	44.0	22.2	66.6

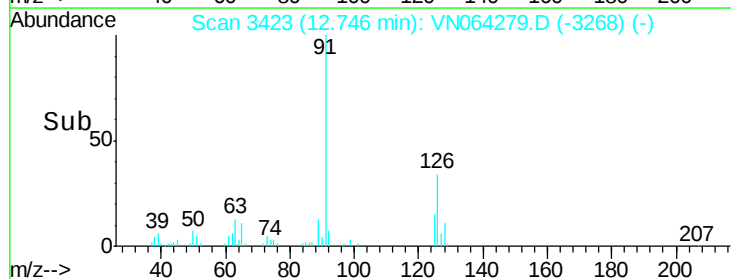
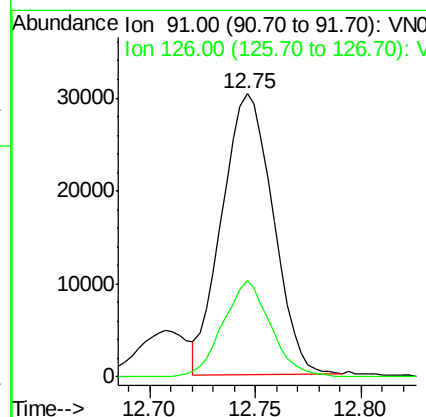
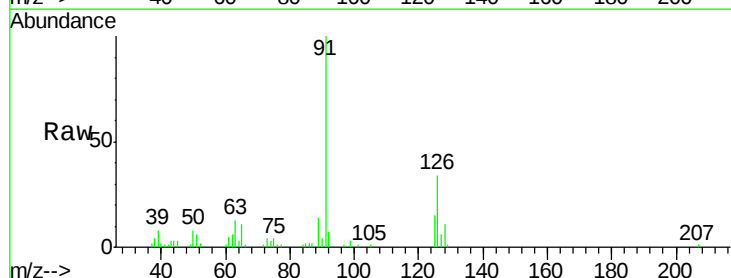
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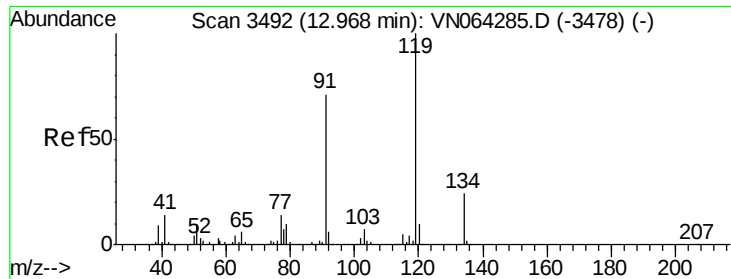
MMDadoda
10/26/2020 1:38:35 PM



#78
4-Chlorotoluene
Concen: 4.611 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	62.2





#79

tert-butylbenzene

Concen: 4.767 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

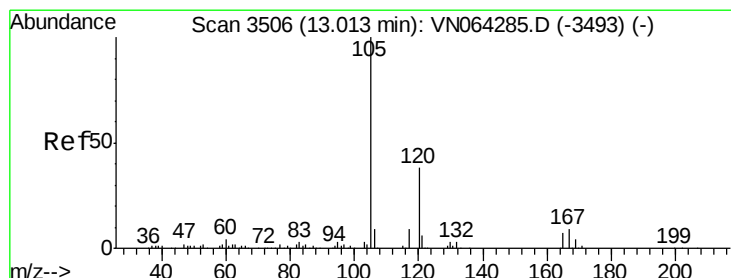
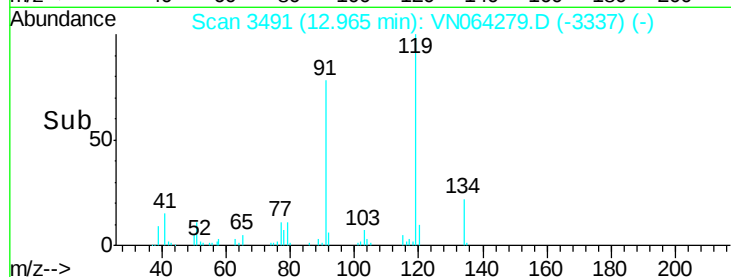
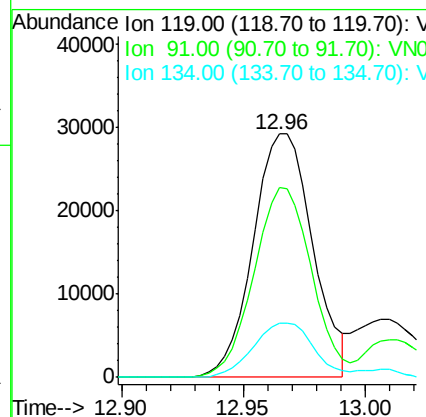
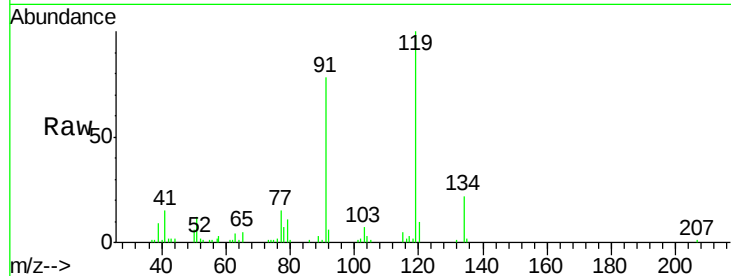
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	49509
Ion Ratio	Lower	Upper	
119	100		
91	75.7	0.0	140.0
134	22.6	0.0	45.8

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#80

1,2,4-Trimethylbenzene

Concen: 4.802 ug/l

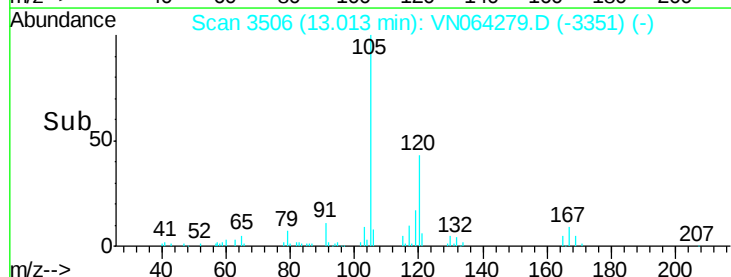
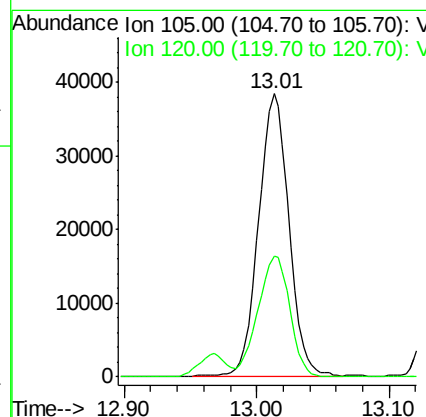
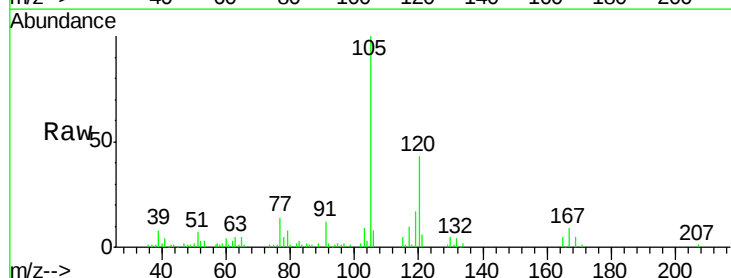
RT: 13.01 min Scan# 3506

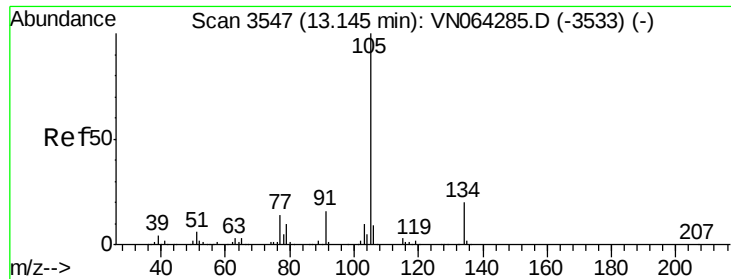
Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Tgt Ion:	105	Resp:	61534
Ion Ratio	Lower	Upper	
105	100		
120	44.3	0.0	87.4





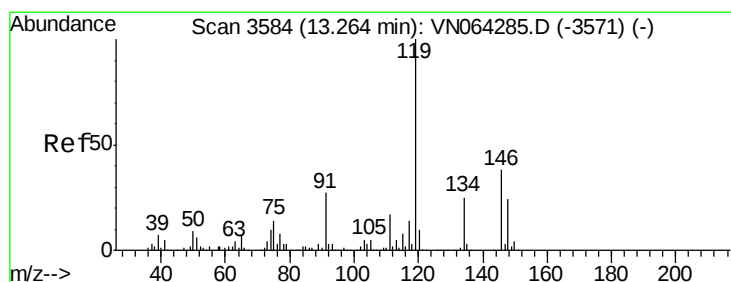
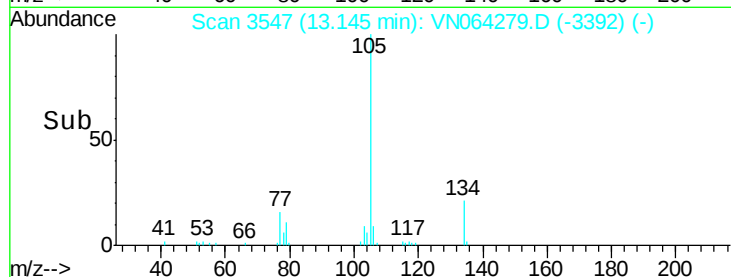
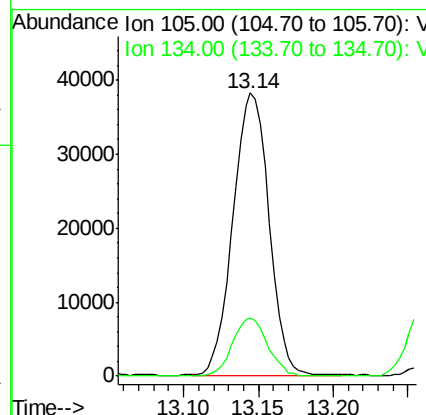
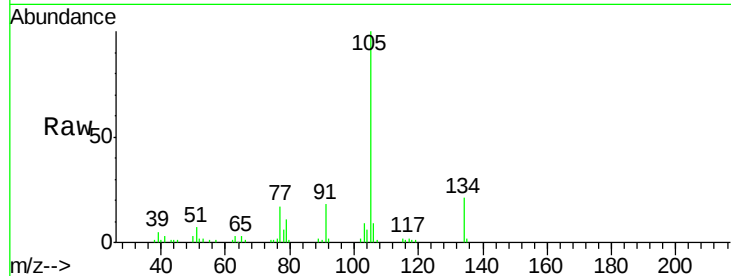
#81
 sec-Butylbenzene
 Concen: 4.815 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	36.8

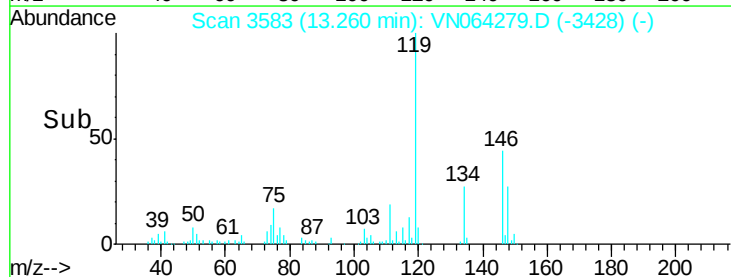
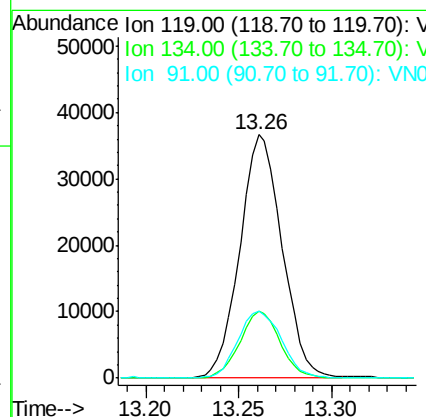
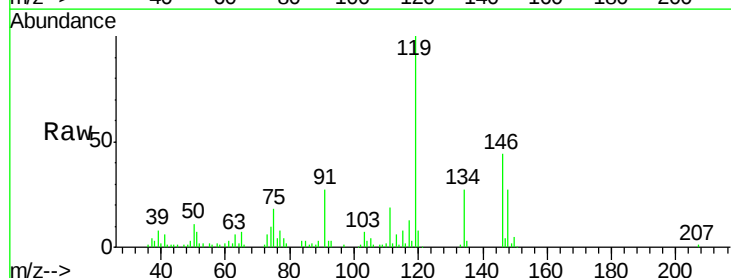
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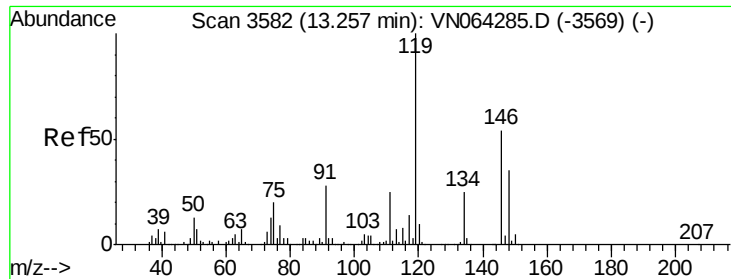
MMDadoda
 10/26/2020 1:38:35 PM



#82
 p-Isopropyltoluene
 Concen: 4.650 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	47.8
91	28.3	0.0	55.8





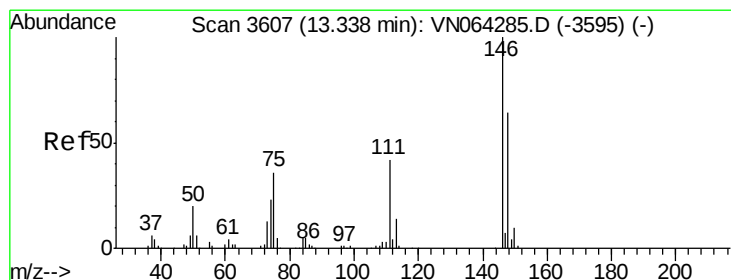
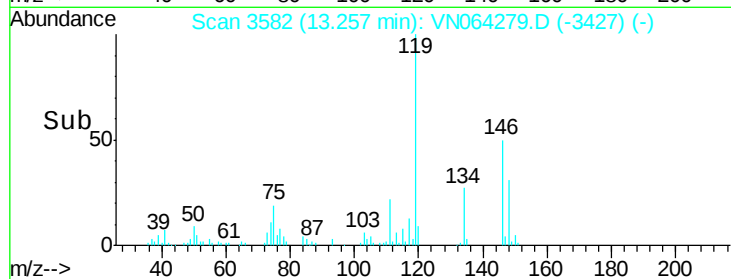
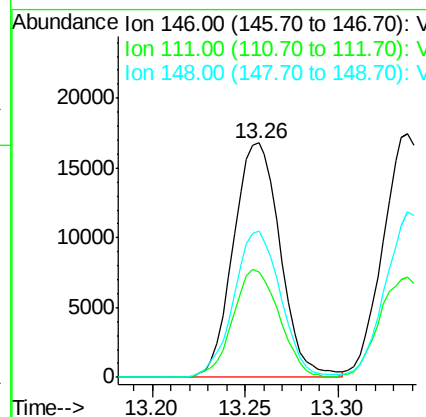
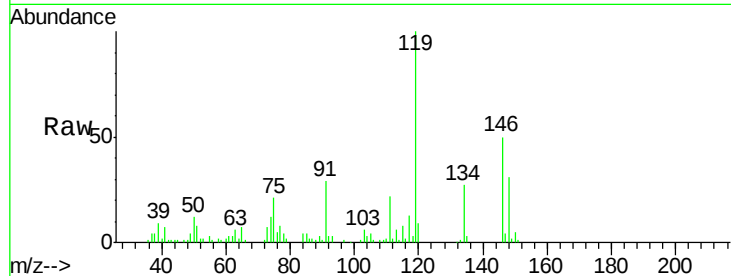
#83
 1,3-Dichlorobenzene
 Concen: 4.568 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.1	66.5
148	62.3	31.9	95.5

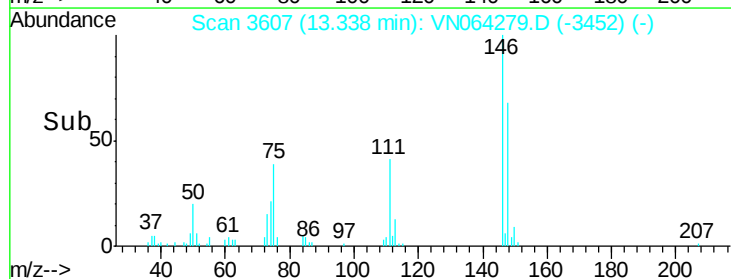
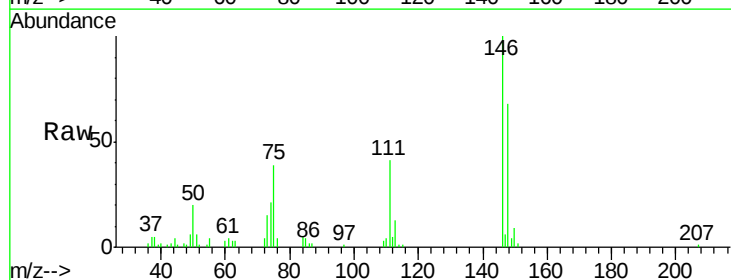
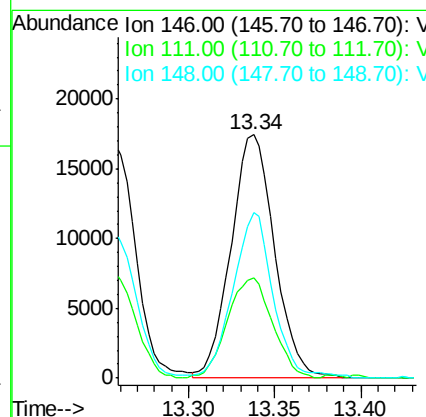
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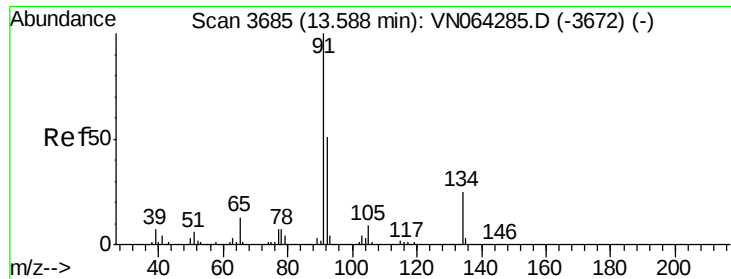
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 4.808 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	62.6	31.4	94.3





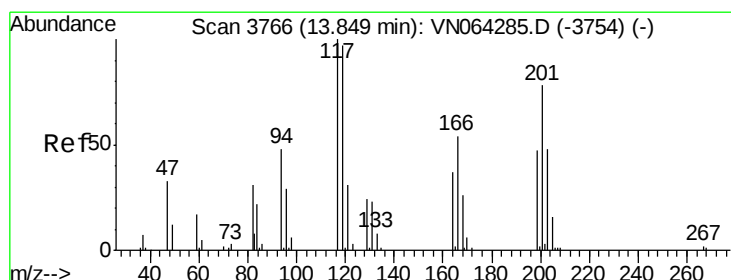
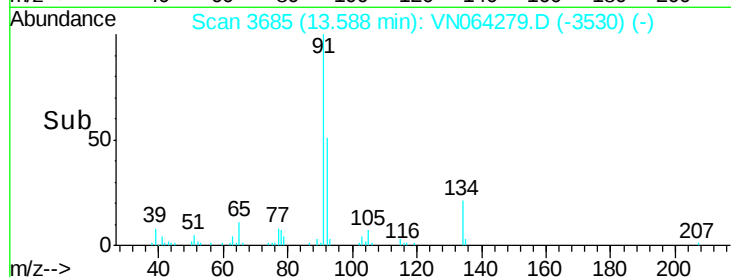
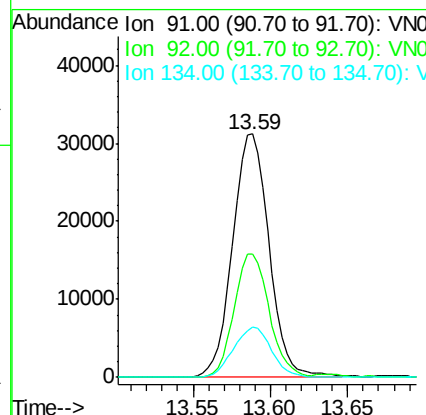
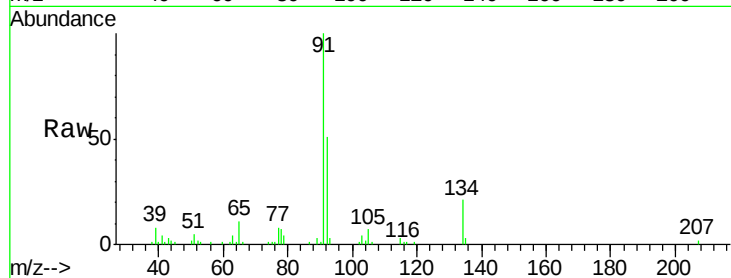
#85
n-Butylbenzene
Concen: 4.640 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.6	0.0	110.0
134	21.5	0.0	51.6

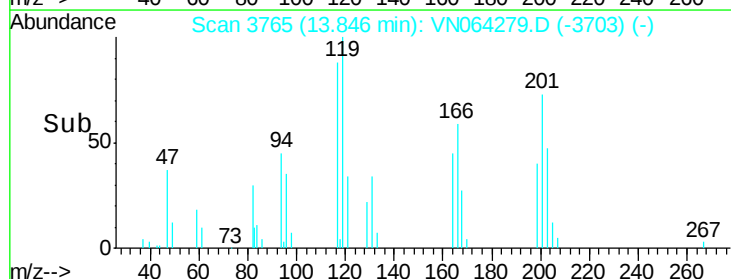
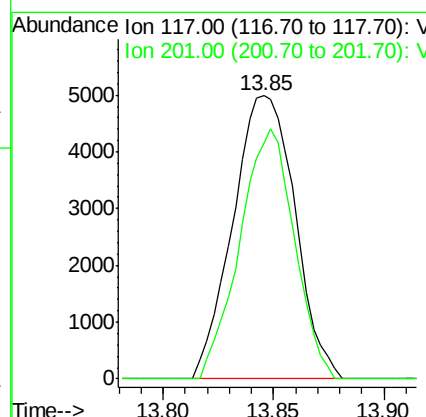
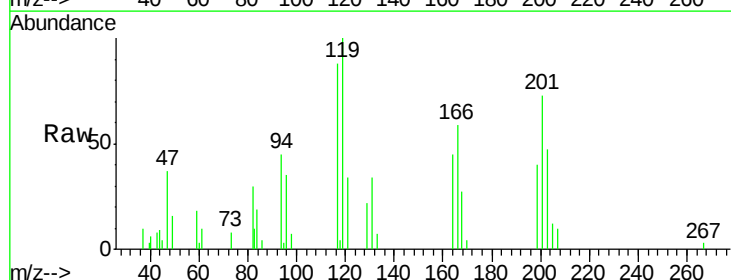
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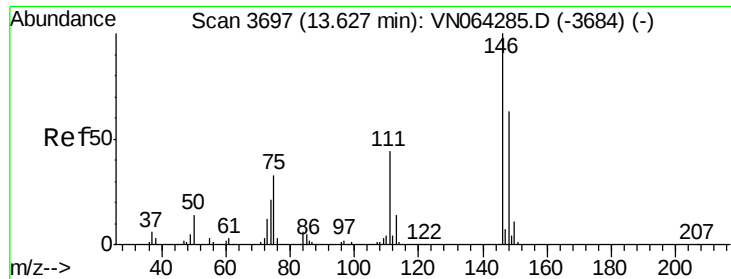
MMDadoda
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#86
Hexachloroethane
Concen: 4.589 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	37.2	111.6





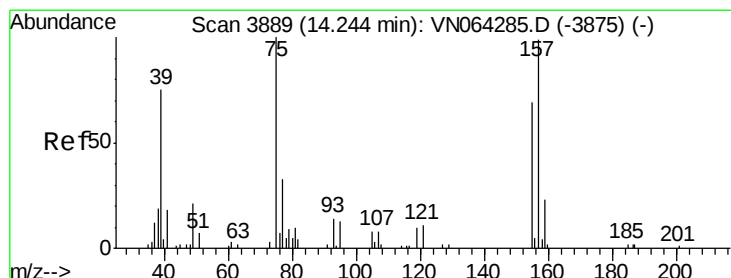
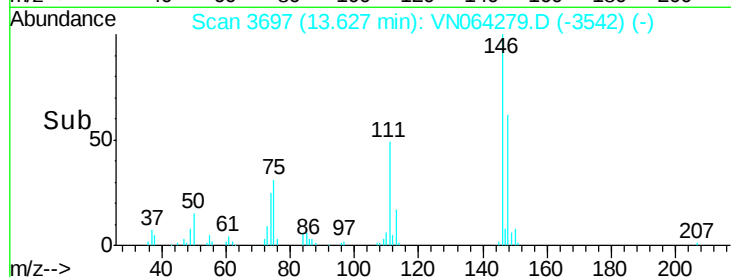
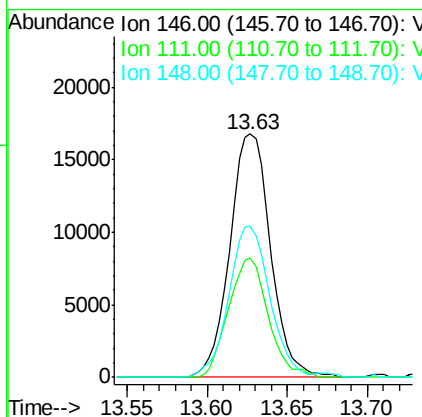
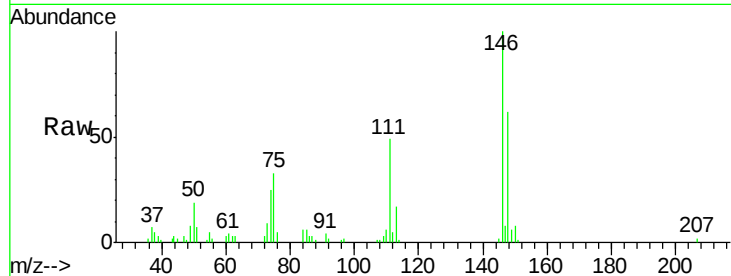
#87
 1,2-Dichlorobenzene
 Concen: 4.619 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.1	69.3
148	62.4	32.3	96.8

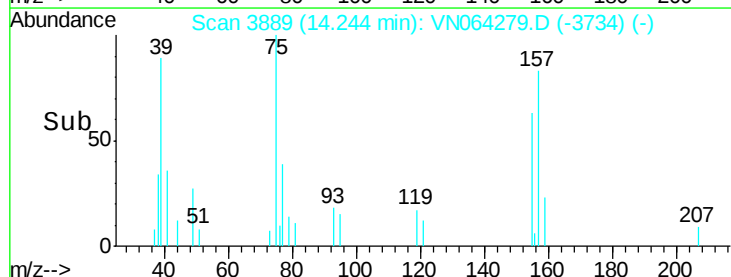
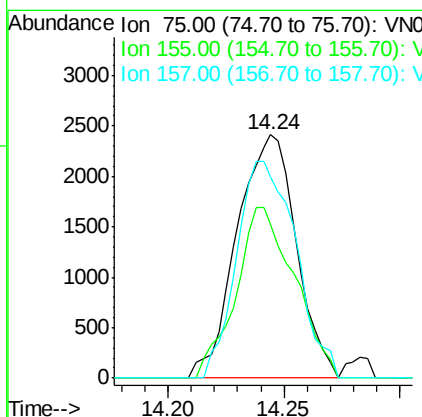
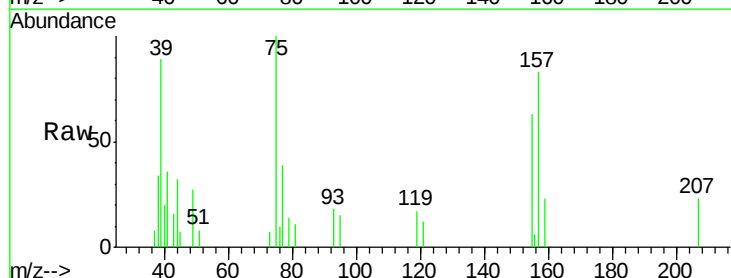
Manual Integrations
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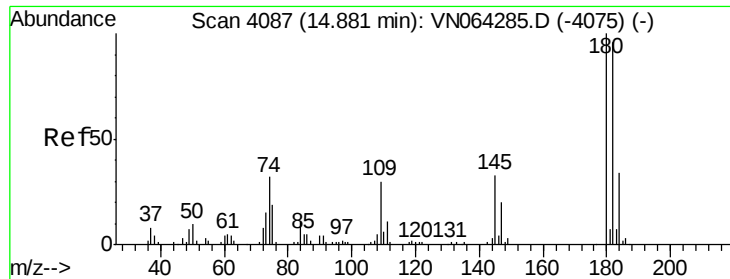
MMDadoda
 10/26/2020 1:38:35 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.093 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	56.6	84.8
157	88.9	70.1	105.1





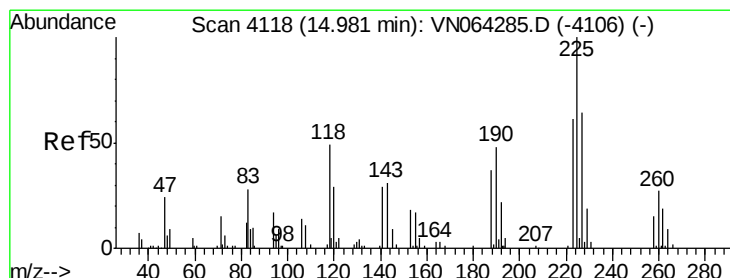
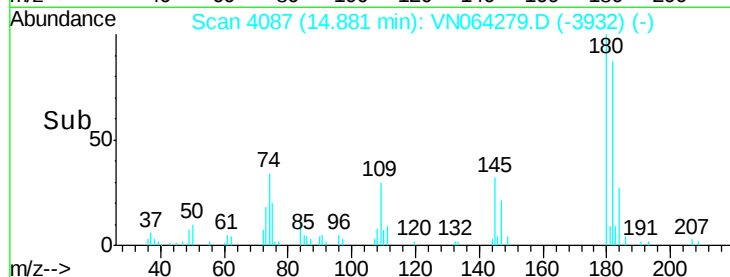
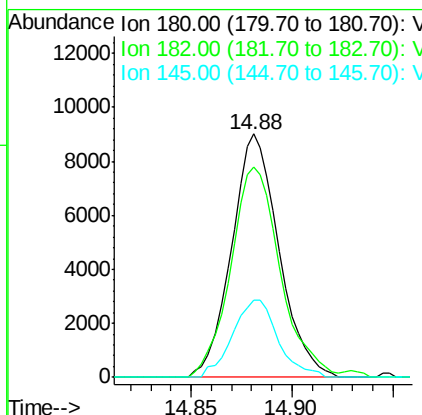
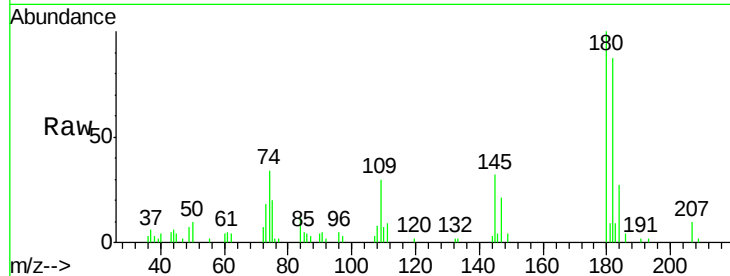
#89
1,2,4-Trichlorobenzene
Concen: 3.982 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	14791		
182	90.5	71.3	106.9	
145	30.5	23.9	35.9	

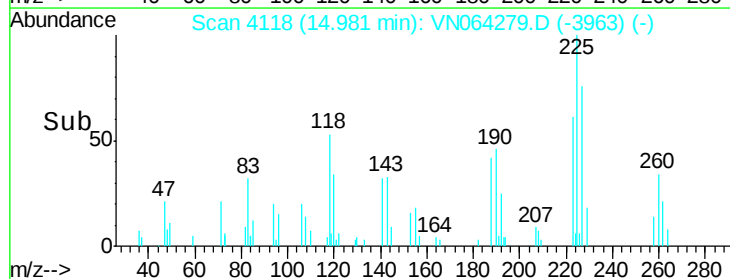
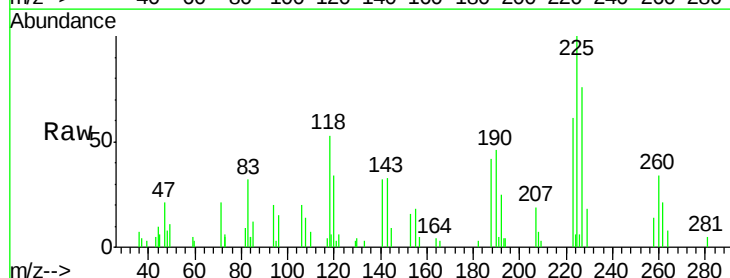
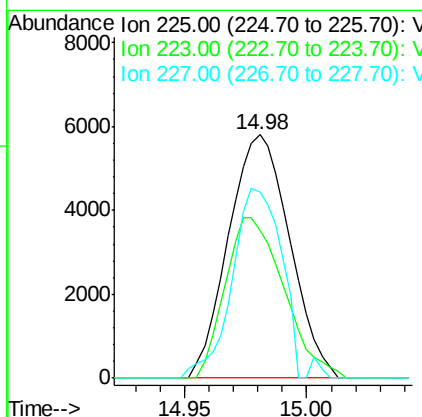
Manual Integrations
APPROVED

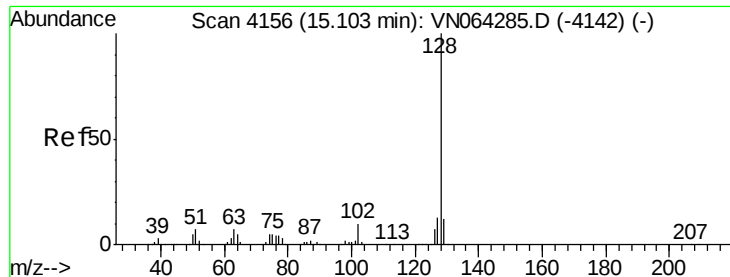
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#90
Hexachlorobutadiene
Concen: 5.254 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10100		
223	63.2	0.0	129.8	
227	62.6	0.0	128.6	





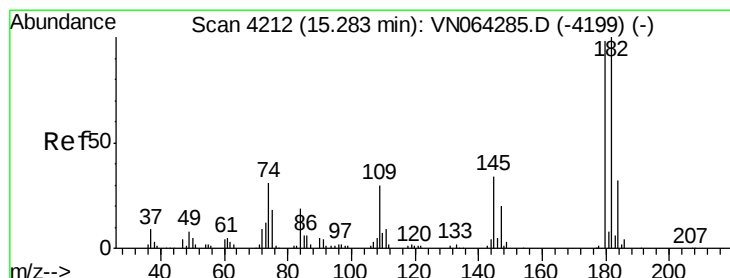
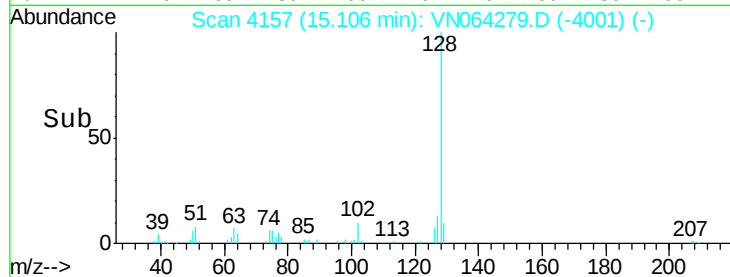
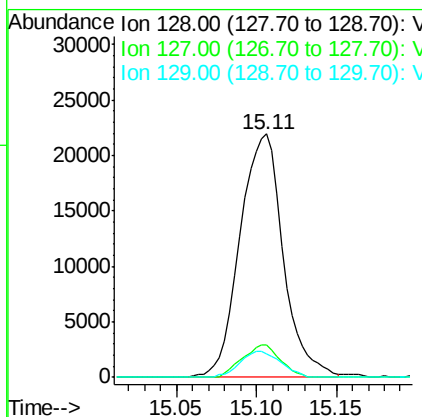
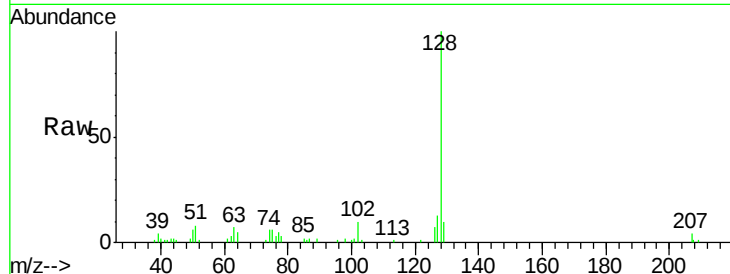
#91
Naphthalene
Concen: 3.594 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.9	14.9
129	10.0	8.3	12.5

Manual Integrations
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10/26/2020 1:38:35 PM



#92
1,2,3-Trichlorobenzene
Concen: 3.890 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	188.8
145	36.0	0.0	70.0

