

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064426.D
 Acq On : 4 Nov 2020 10:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 10:59:34 AM

Quant Time: Nov 04 11:50:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	348869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	620881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	559682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	31473	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
35) Dibromofluoromethane	7.55	113	20218	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.06	98	76963	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.37	95	26697	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	22110	5.359	ug/l	91
3) Chloromethane	2.04	50	27397	5.984	ug/l	98
4) Vinyl Chloride	2.17	62	27317	6.122	ug/l	92
5) Bromomethane	2.53	94	19181	6.558	ug/l	93
6) Chloroethane	2.68	64	17654	6.485	ug/l	93
7) Trichlorofluoromethane	2.99	101	42729	5.850	ug/l	99
8) Diethyl Ether	3.37	74	14877	6.325	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21080	5.818	ug/l	90
10) Methyl Iodide	3.91	142	19024	4.024	ug/l	99
11) Tert butyl alcohol	4.75	59	14043	17.706	ug/l	99
12) 1,1-Dichloroethene	3.70	96	18663	5.454	ug/l	95
13) Acrolein	3.57	56	9083	37.811	ug/l	89
14) Allyl chloride	4.27	41	35104	5.036	ug/l #	91
15) Acrylonitrile	4.93	53	42507	23.740	ug/l	97
16) Acetone	3.78	43	50648	23.839	ug/l	94
17) Carbon Disulfide	4.01	76	51778	5.073	ug/l	98
18) Methyl Acetate	4.28	43	21468	5.028	ug/l	93
19) Methyl tert-butyl Ether	4.98	73	61743	4.737	ug/l	96
20) Methylene Chloride	4.50	84	22310	5.461	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	20633	5.355	ug/l	93
22) Diisopropyl ether	5.90	45	70679	5.091	ug/l #	87
23) Vinyl Acetate	5.84	43	281688	24.255	ug/l	100
24) 1,1-Dichloroethane	5.79	63	42211	5.482	ug/l	98
25) 2-Butanone	6.78	43	63238	21.947	ug/l	97
26) 2,2-Dichloropropane	6.78	77	35679	4.804	ug/l	79
27) cis-1,2-Dichloroethene	6.78	96	23015	5.231	ug/l	97
28) Bromochloromethane	7.14	49	20677	5.779	ug/l #	96
29) Tetrahydrofuran	7.17	42	35705	19.364	ug/l	97
30) Chloroform	7.33	83	42253	5.141	ug/l	97
31) Cyclohexane	7.61	56	40966	6.060	ug/l #	72
32) 1,1,1-Trichloroethane	7.53	97	36716	4.731	ug/l	99
36) 1,1-Dichloropropene	7.75	75	30668	4.790	ug/l	97
37) Ethyl Acetate	6.88	43	28823	4.513	ug/l #	75
38) Carbon Tetrachloride	7.73	117	31849	4.387	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	26598	4.260	ug/l	92
40) Benzene	8.00	78	92261	5.145	ug/l	99
41) Methacrylonitrile	7.13	41	12091	3.887	ug/l	93
42) 1,2-Dichloroethane	8.08	62	38358	5.023	ug/l	99
43) Isopropyl Acetate	8.12	43	47180	4.330	ug/l #	93
44) Trichloroethene	8.80	130	22804	4.926	ug/l	97
45) 1,2-Dichloropropane	9.08	63	23864	4.961	ug/l	91
46) Dibromomethane	9.17	93	15429	4.673	ug/l	94
47) Bromodichloromethane	9.37	83	34206	4.665	ug/l	95
48) Methyl methacrylate	9.16	41	23085	4.101	ug/l	96
49) 1,4-Dioxane	9.17	88	5949	73.358	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	132635	20.825	ug/l	98
52) Toluene	10.12	92	53212	4.710	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	32351	4.149	ug/l	91
54) cis-1,3-Dichloropropene	9.81	75	36591	4.563	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	21682	4.887	ug/l	96
56) Ethyl methacrylate	10.40	69	27296	4.081	ug/l	94
57) 1,3-Dichloropropane	10.68	76	35863	4.740	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	71183	20.456	ug/l	99
59) 2-Hexanone	10.72	43	91880	19.628	ug/l	96
60) Dibromochloromethane	10.87	129	21585	4.178	ug/l	97
61) 1,2-Dibromoethane	10.98	107	21009	4.676	ug/l	98
64) Tetrachloroethene	10.60	164	21660	4.715	ug/l	96
65) Chlorobenzene	11.40	112	58907	5.088	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	20988	4.532	ug/l	95
67) Ethyl Benzene	11.48	91	98203	4.566	ug/l	99
68) m/p-Xylenes	11.59	106	68099	8.558	ug/l	90
69) o-Xylene	11.92	106	34773	4.531	ug/l	99
70) Styrene	11.94	104	54443	4.328	ug/l	98
71) Bromoform	12.10	173	12392	3.480	ug/l #	95
73) Isopropylbenzene	12.22	105	87888	5.159	ug/l	100
74) N-amyl acetate	12.05	43	33426	4.469	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	25624	5.151	ug/l	97
76) 1,2,3-Trichloropropane	12.52	75	26036m	4.879	ug/l	
77) Bromobenzene	12.50	156	21469	5.192	ug/l	97
78) n-propylbenzene	12.56	91	95717	4.964	ug/l	97
79) 2-Chlorotoluene	12.65	91	62858	5.119	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	70504	4.914	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	8216	4.379	ug/l	89
82) 4-Chlorotoluene	12.75	91	63368	5.034	ug/l	97
83) tert-Butylbenzene	12.97	119	55971	4.799	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	68029	4.739	ug/l	97
85) sec-Butylbenzene	13.14	105	70353	4.646	ug/l	99
86) p-Isopropyltoluene	13.26	119	60865	4.474	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	36023	4.957	ug/l	97
88) 1,4-Dichlorobenzene	13.33	146	37035	5.003	ug/l	94
89) n-Butylbenzene	13.59	91	51530	4.295	ug/l	98
90) Hexachloroethane	13.85	117	12542	4.939	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	35951	4.974	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4809	4.035	ug/l	92

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ClientSampleId :
VSTDICC005

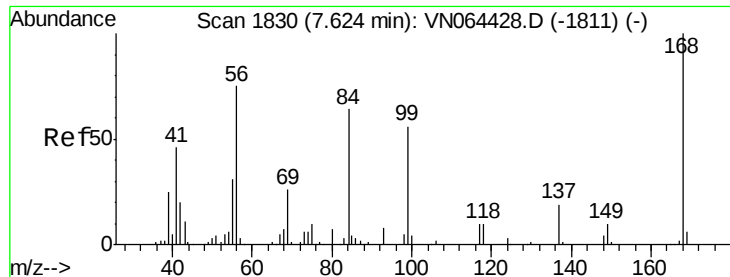
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	10263	2.954	ug/l	94
94) Hexachlorobutadiene	14.98	225	7028	3.350	ug/l	95
95) Naphthalene	15.10	128	30170	2.772	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	11206	3.340	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 348869

Ion Ratio Lower Upper

168 100

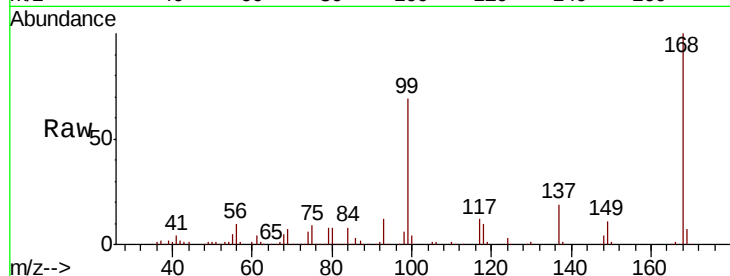
99 68.5 53.4 80.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

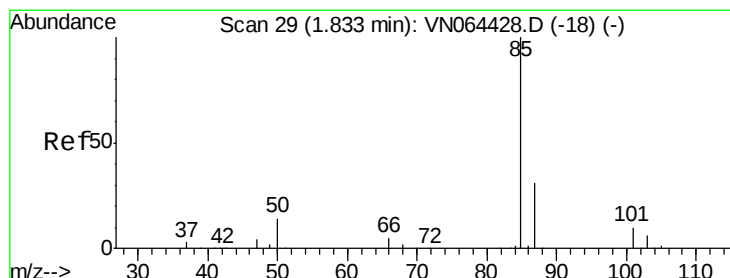
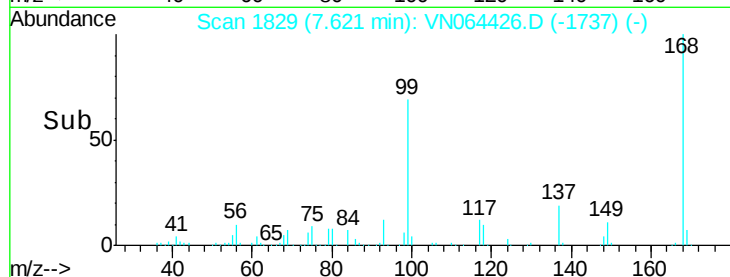
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 5.359 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064426.D

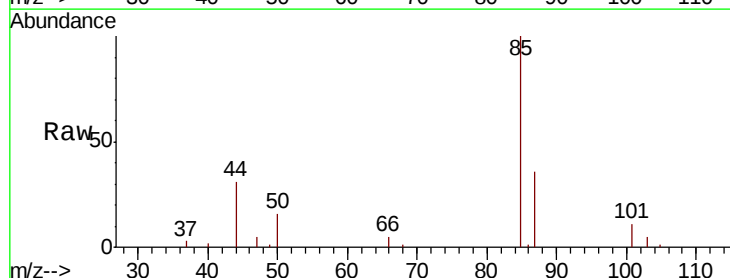
Acq: 4 Nov 2020 10:12

Tgt Ion: 85 Resp: 22110

Ion Ratio Lower Upper

85 100

87 36.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

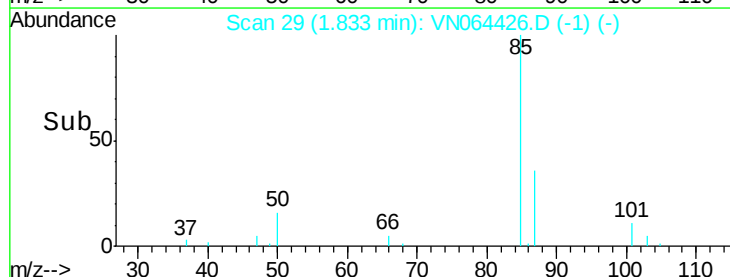
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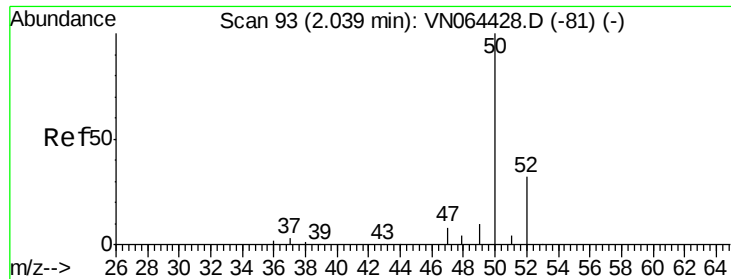
10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 5.984 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27397

Ion Ratio Lower Upper

50 100

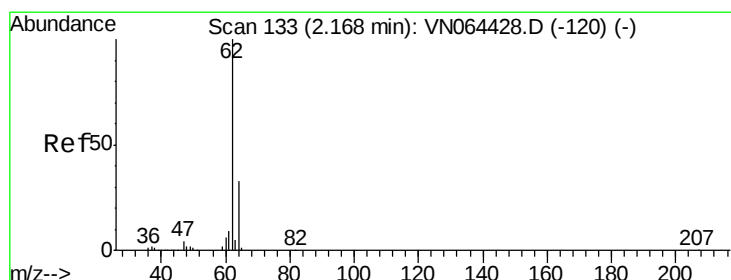
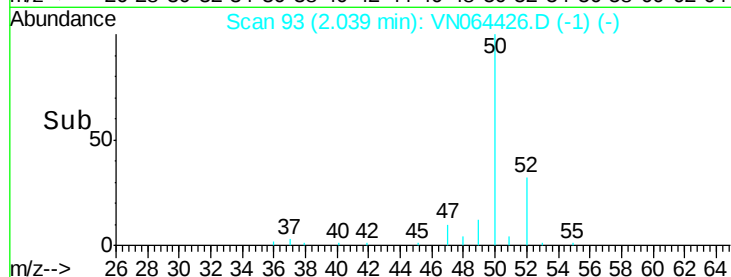
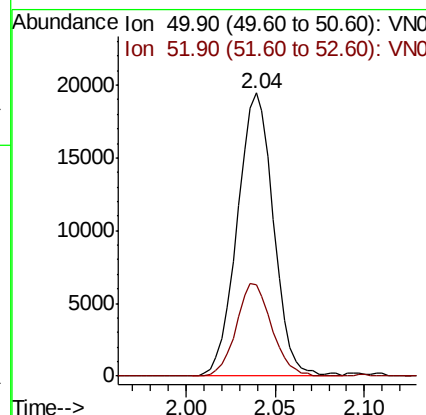
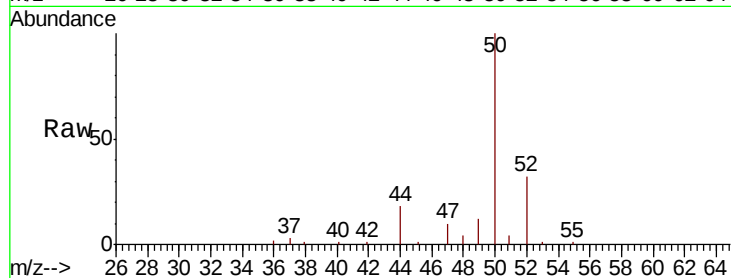
52 32.4 25.3 37.9

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#4

Vinyl Chloride

Concen: 6.122 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064426.D

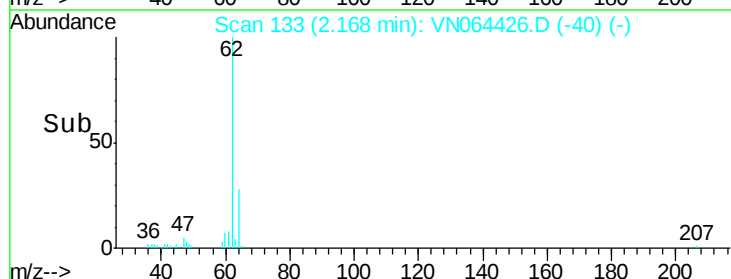
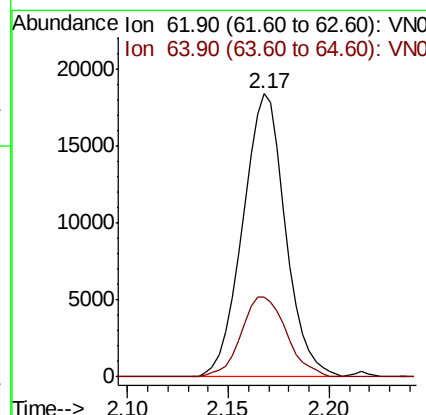
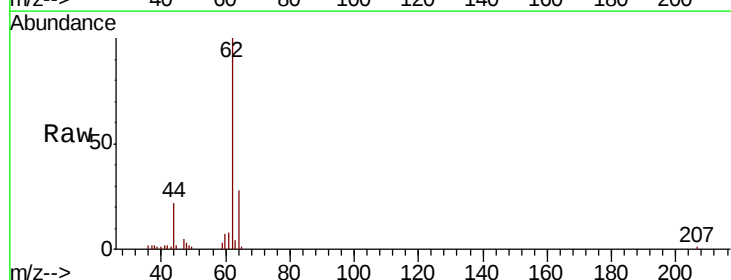
Acq: 4 Nov 2020 10:12

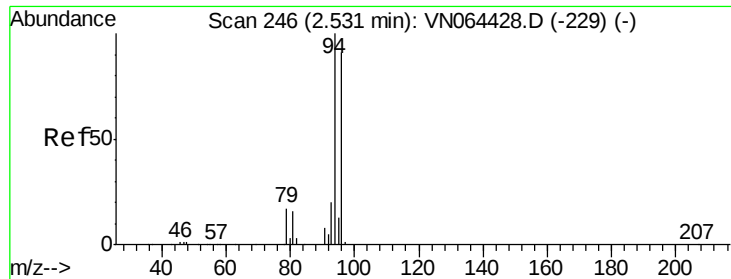
Tgt Ion: 62 Resp: 27317

Ion Ratio Lower Upper

62 100

64 28.2 26.3 39.5





#5

Bromomethane

Concen: 6.558 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19181

Ion Ratio Lower Upper

94 100

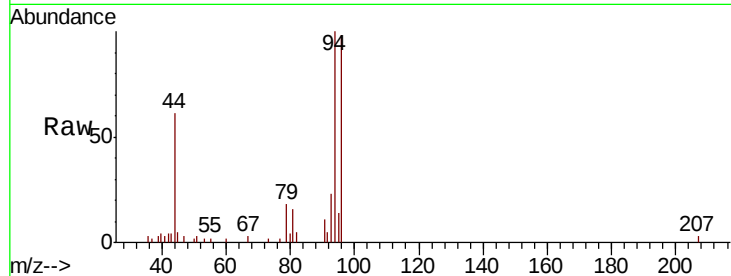
96 98.4 73.1 109.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

10000

8000

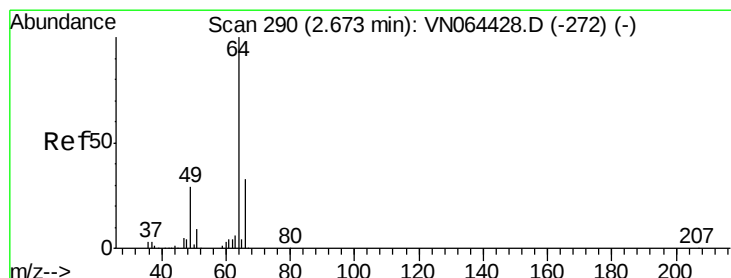
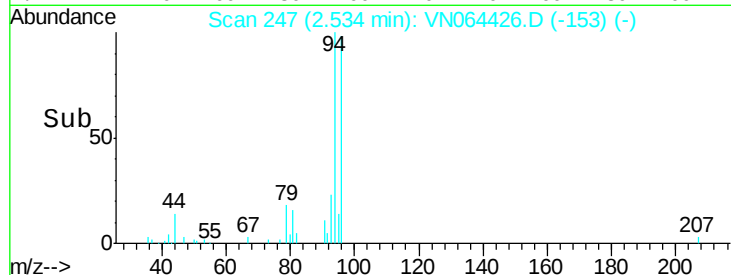
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 6.485 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064426.D

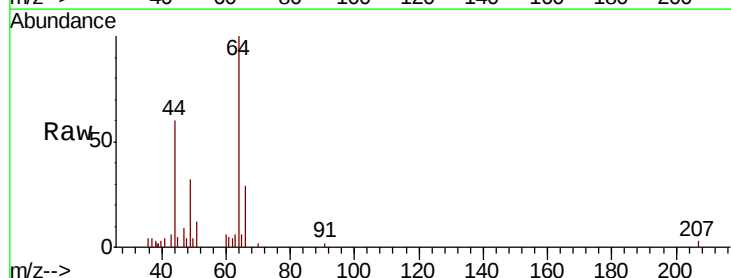
Acq: 4 Nov 2020 10:12

Tgt Ion: 64 Resp: 17654

Ion Ratio Lower Upper

64 100

66 28.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

10000

8000

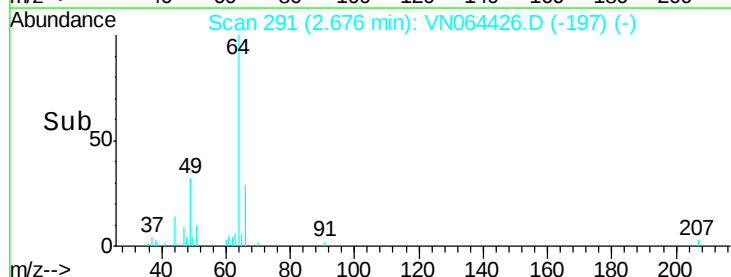
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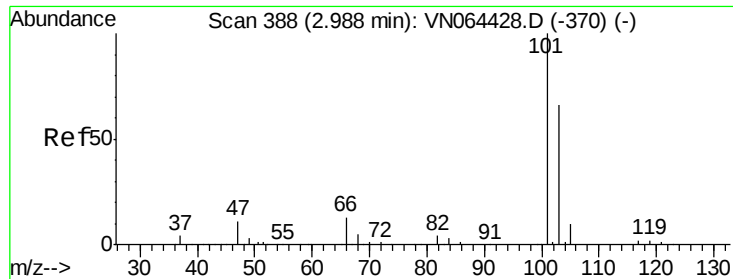
4000

2000

0

Time-->





#7

Trichlorofluoromethane

Concen: 5.850 ug/l

RT: 2.99 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 42729

Ion Ratio Lower Upper

101 100

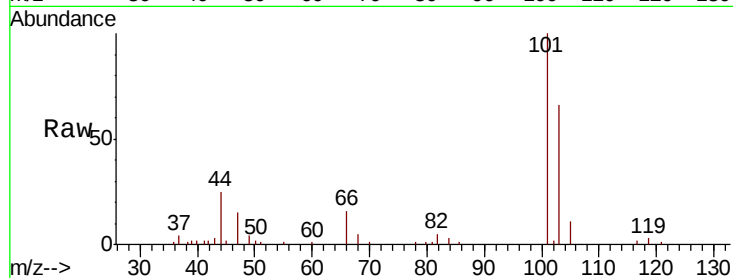
103 66.3 52.4 78.6

Manual Integrations

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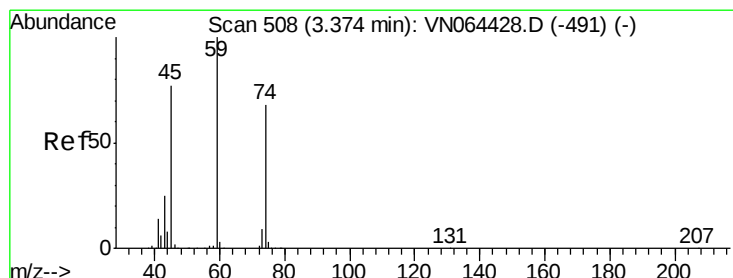
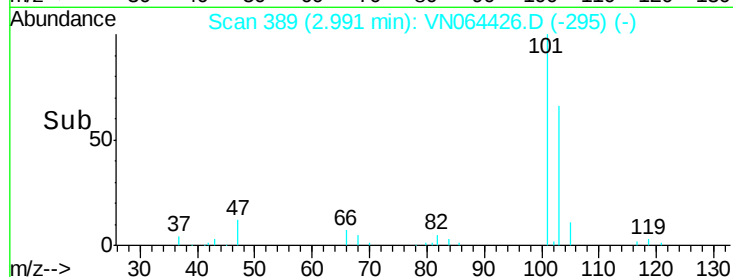
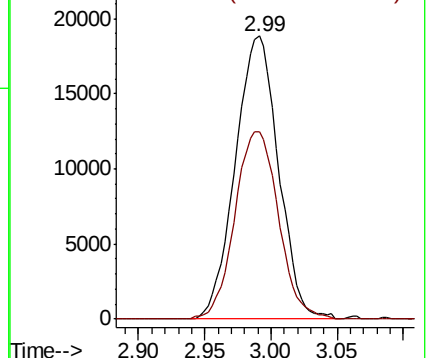
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 6.325 ug/l

RT: 3.37 min Scan# 506

Delta R.T. -0.01 min

Lab File: VN064426.D

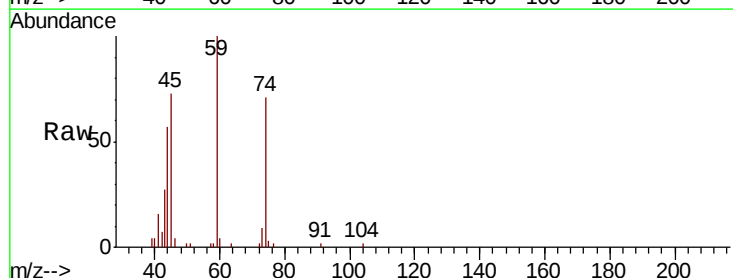
Acq: 4 Nov 2020 10:12

Tgt Ion: 74 Resp: 14877

Ion Ratio Lower Upper

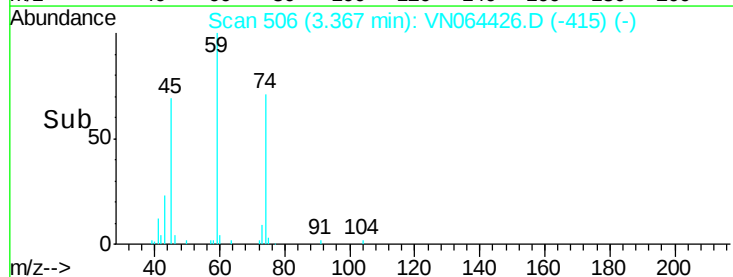
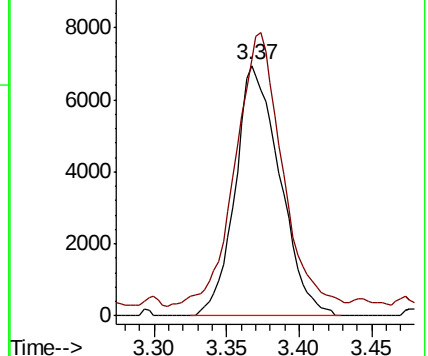
74 100

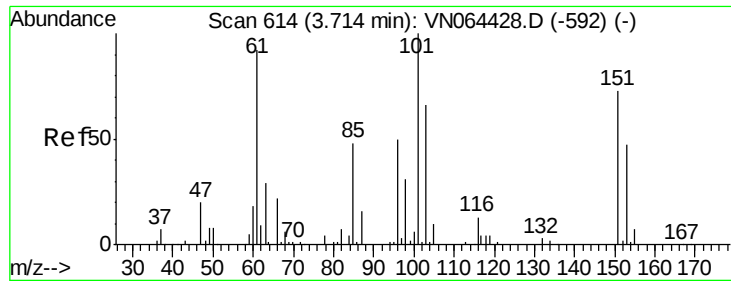
45 111.7 55.9 167.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.818 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

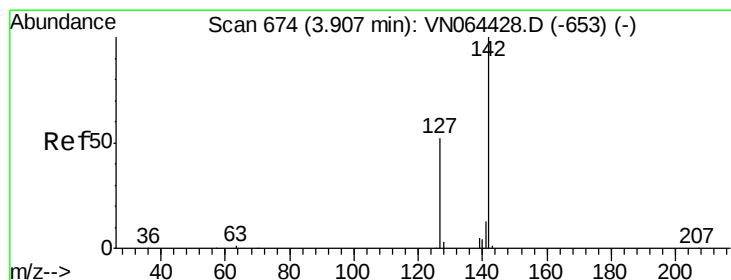
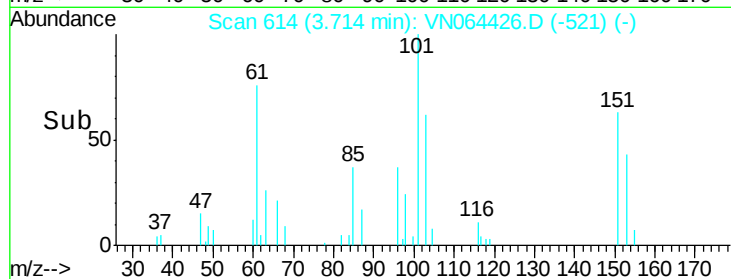
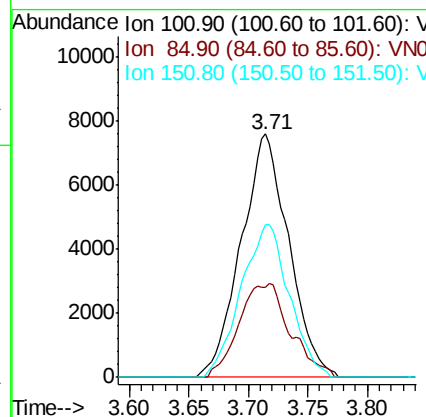
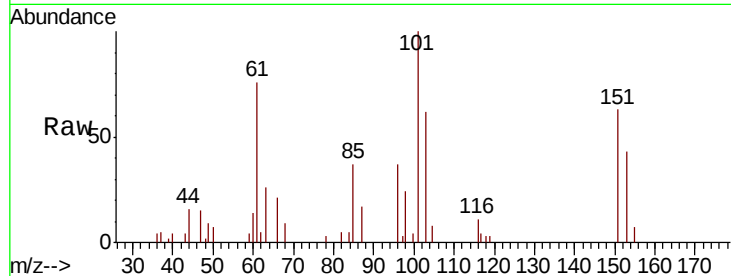
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	21080
Ion Ratio	Lower	Upper	
101	100		
85	41.5	38.6	57.8
151	63.6	57.5	86.3

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#10

Methyl Iodide

Concen: 4.024 ug/l

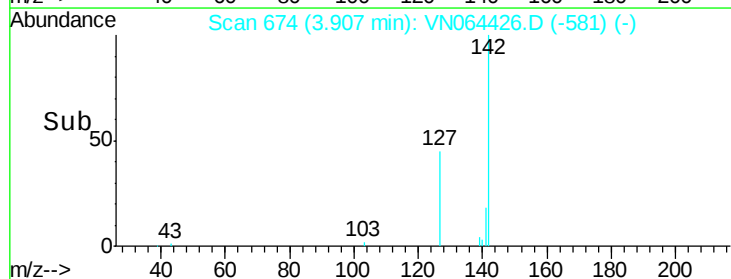
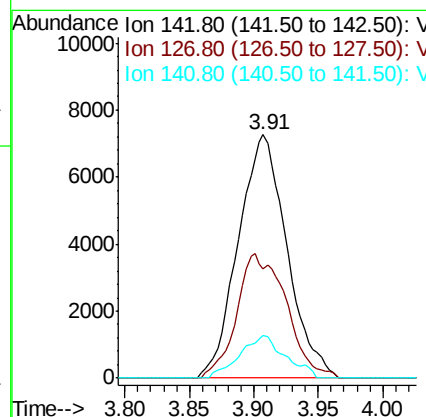
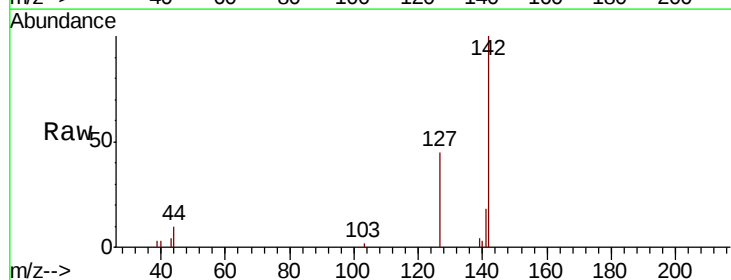
RT: 3.91 min Scan# 674

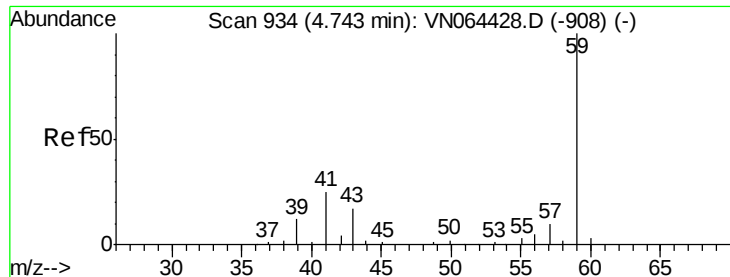
Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	142	Resp:	19024
Ion Ratio	Lower	Upper	
142	100		
127	52.2	41.8	62.8
141	16.3	11.4	17.2





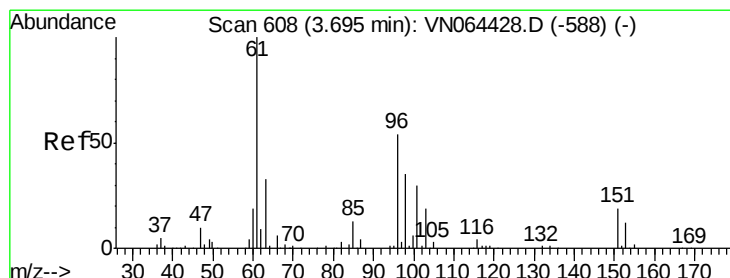
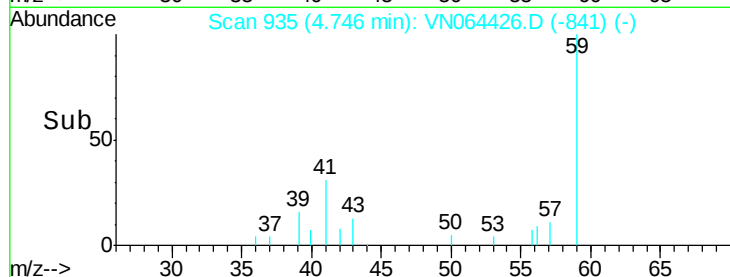
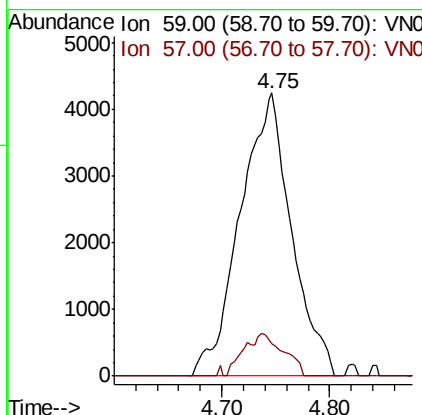
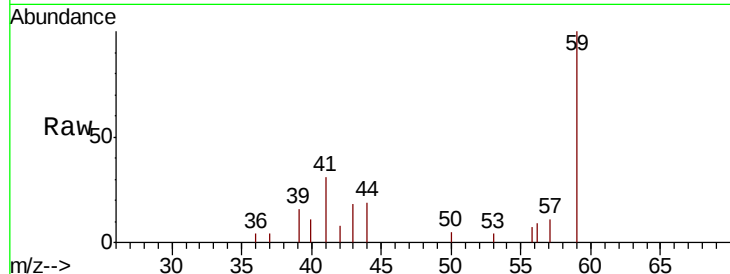
#11
Tert butyl alcohol
Concen: 17.706 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 14043
Ion Ratio Lower Upper
59 100
57 11.6 9.0 13.4

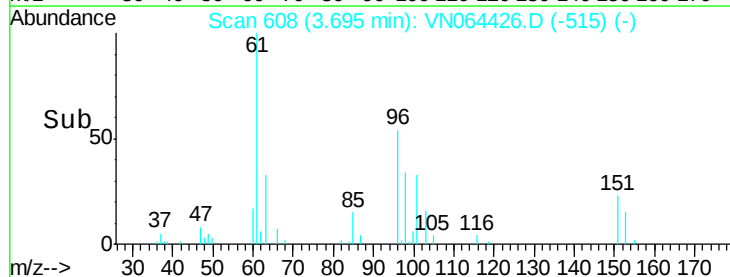
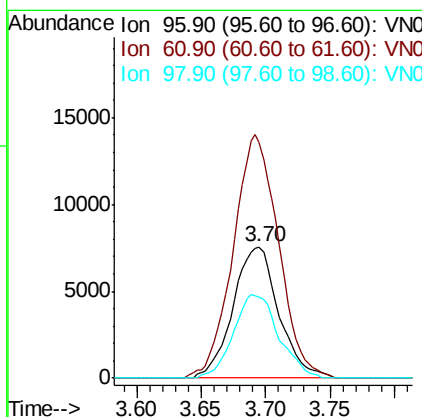
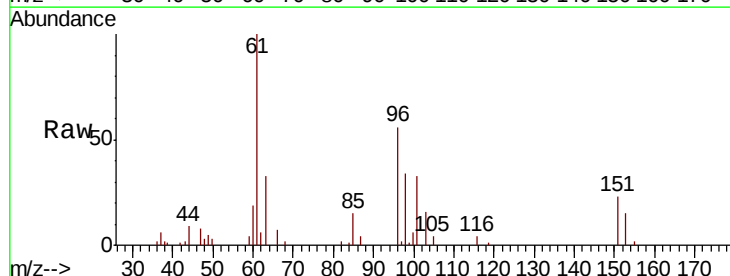
Manual Integrations
APPROVED

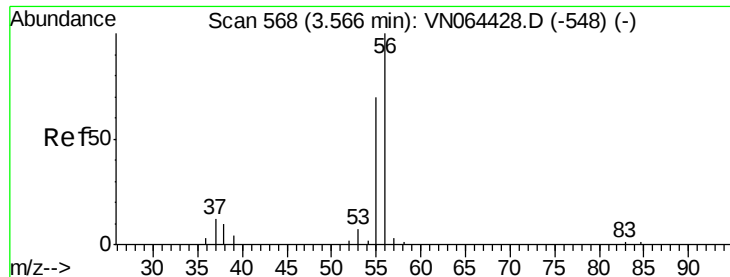
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.454 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion: 96 Resp: 18663
Ion Ratio Lower Upper
96 100
61 179.9 149.5 224.3
98 61.5 52.4 78.6





#13

Acrolein

Concen: 37.811 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9083

Ion Ratio Lower Upper

56 100

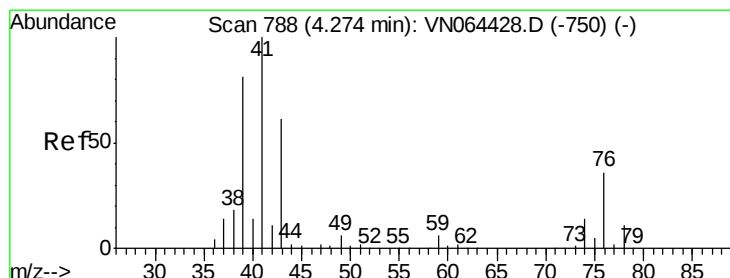
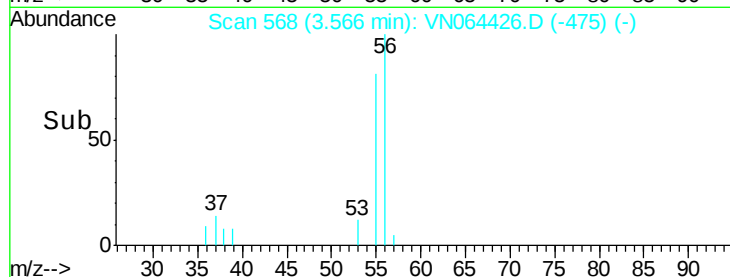
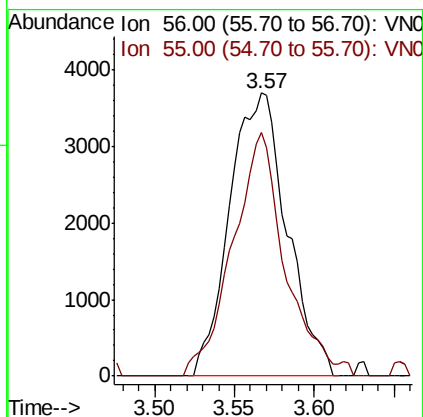
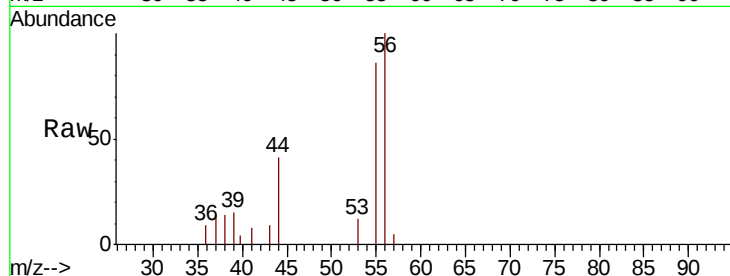
55 78.8 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 5.036 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

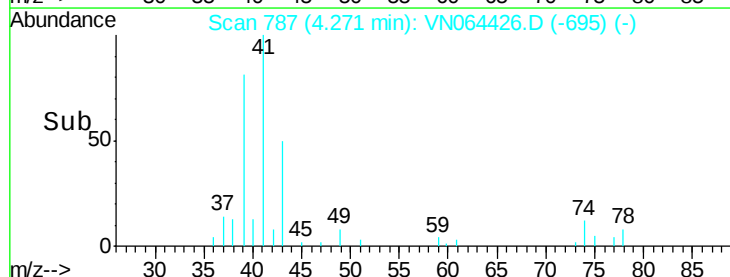
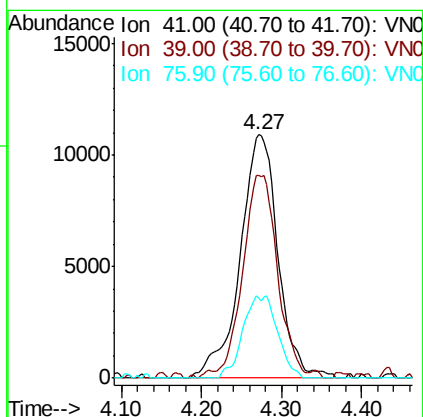
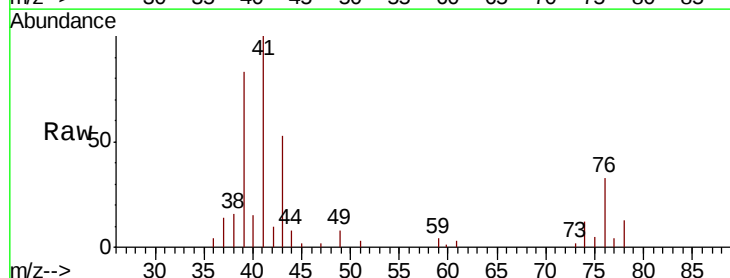
Tgt Ion: 41 Resp: 35104

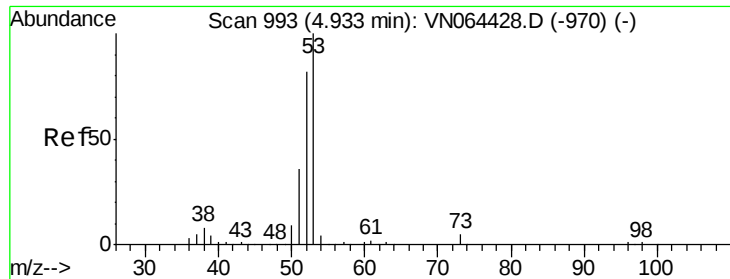
Ion Ratio Lower Upper

41 100

39 76.1 61.8 92.8

76 16.6 25.4 38.0#





#15

Acrylonitrile

Concen: 23.740 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

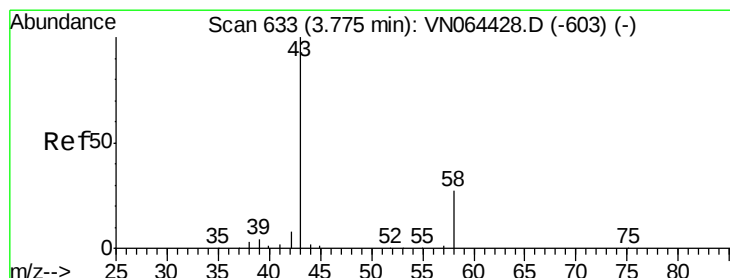
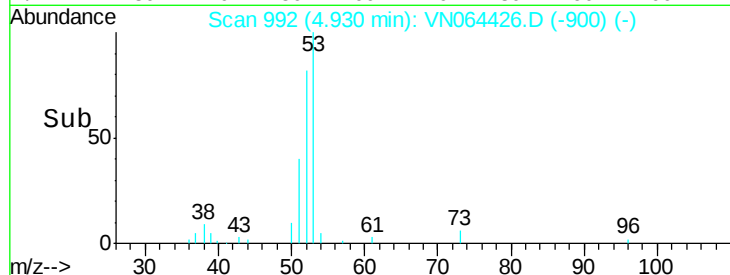
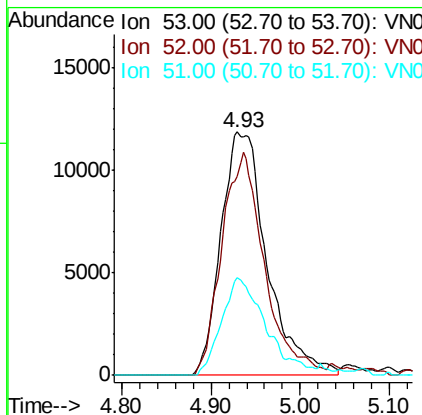
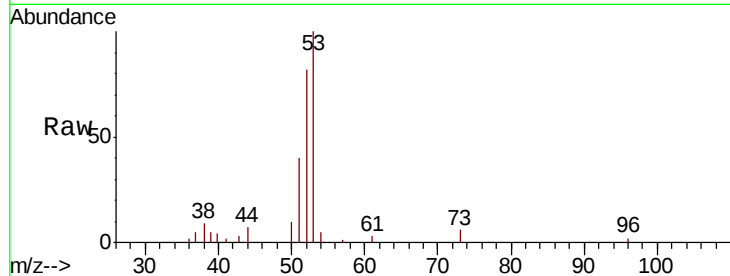
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	42507
Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.6	98.4
51	35.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 23.839 ug/l

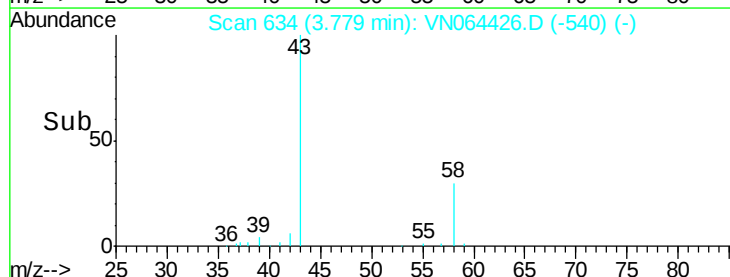
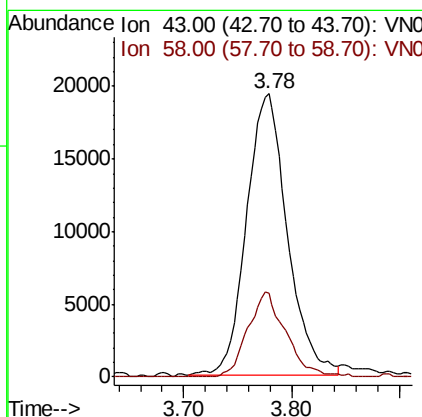
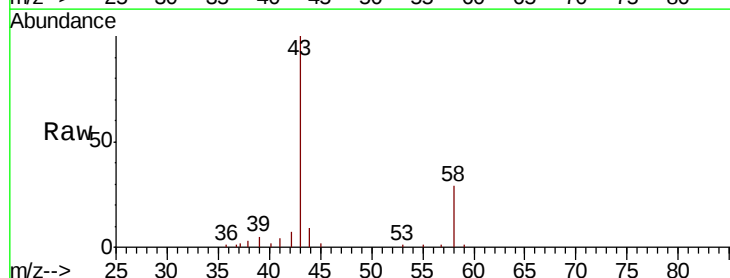
RT: 3.78 min Scan# 634

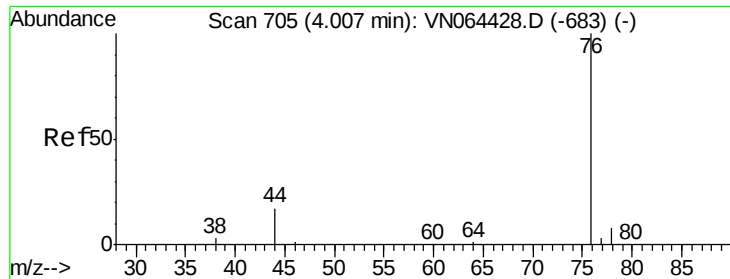
Delta R.T. 0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	43	Resp:	50648
Ion	Ratio	Lower	Upper
43	100		
58	29.6	21.4	32.0





#17

Carbon Disulfide

Concen: 5.073 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 51778

Ion Ratio Lower Upper

76 100

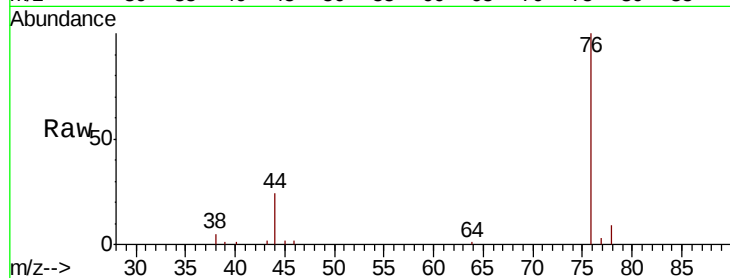
78 9.3 6.8 10.2

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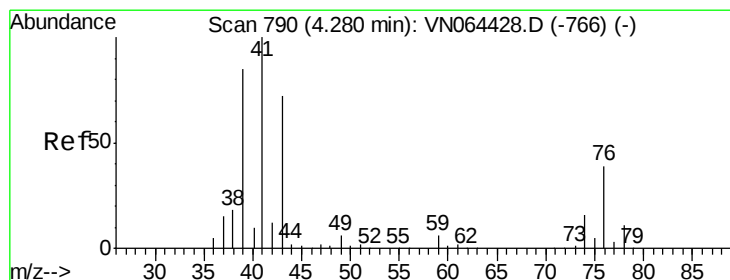
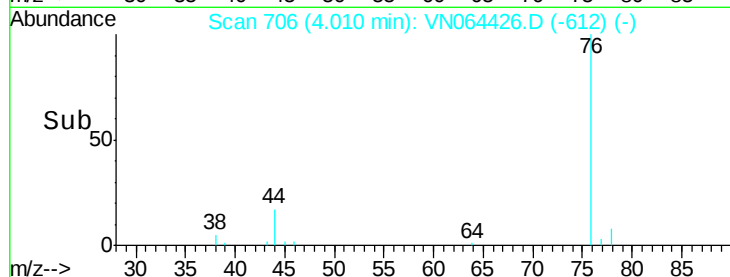
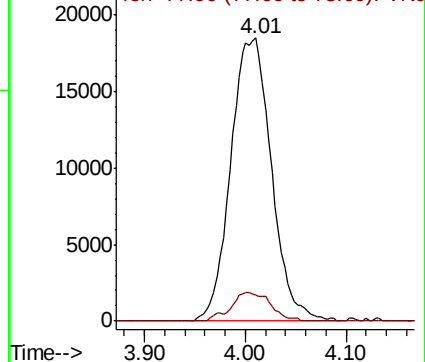
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 5.028 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064426.D

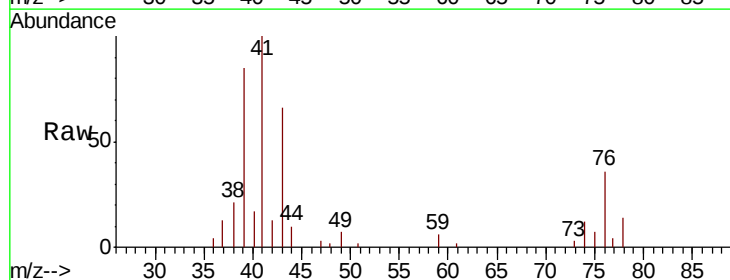
Acq: 4 Nov 2020 10:12

Tgt Ion: 43 Resp: 21468

Ion Ratio Lower Upper

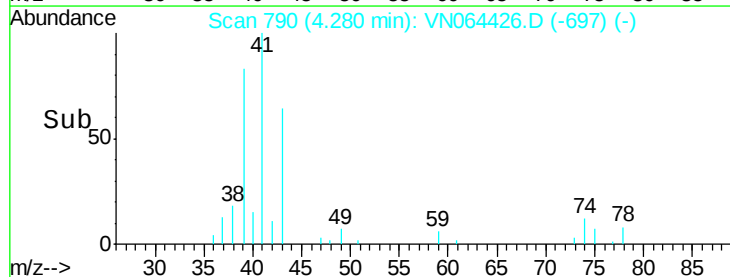
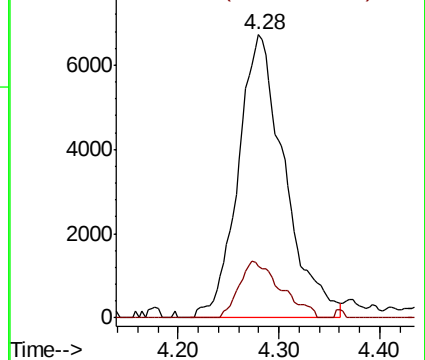
43 100

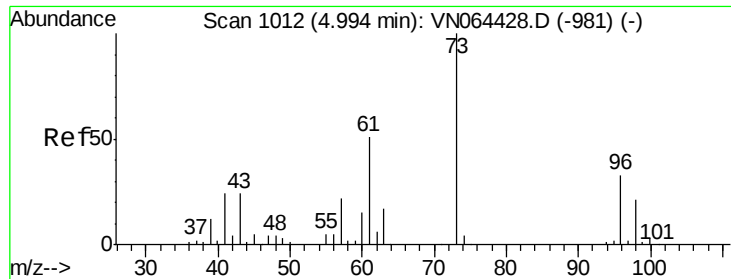
74 18.0 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





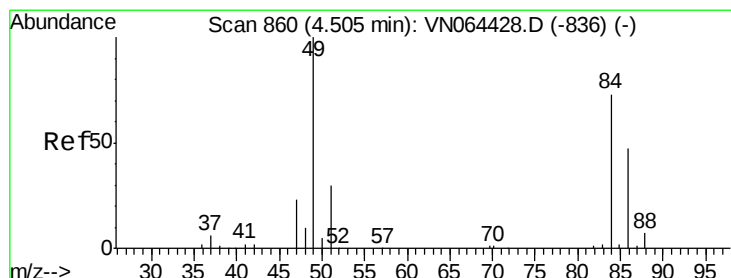
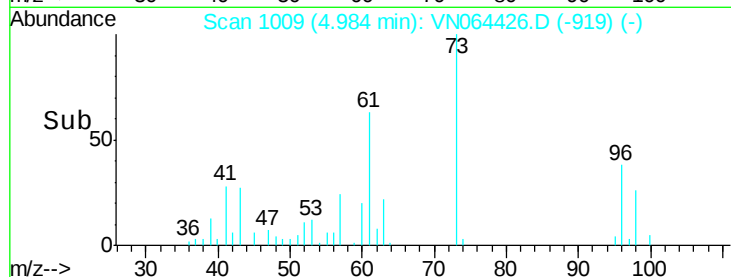
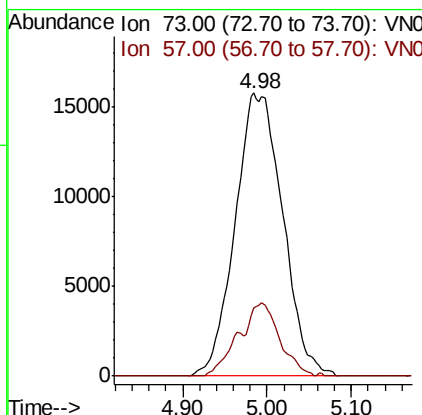
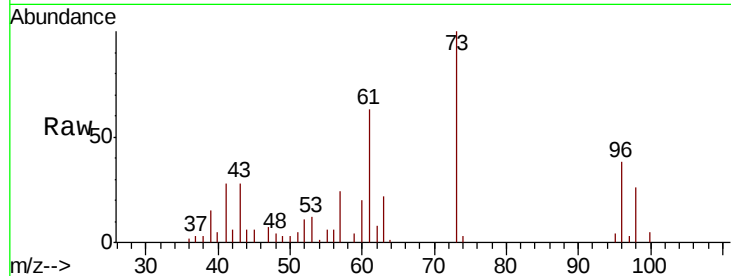
#19
Methvl tert-butvl Ether
Concen: 4.737 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 61743
Ion Ratio Lower Upper
73 100
57 24.0 17.7 26.5

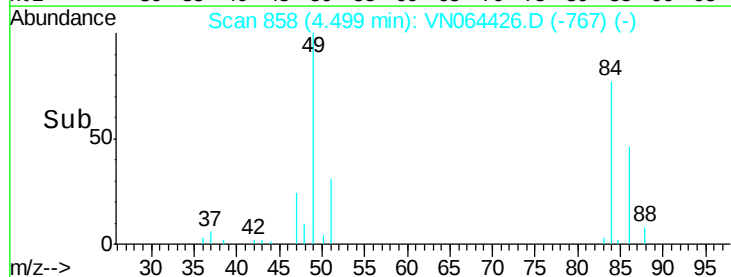
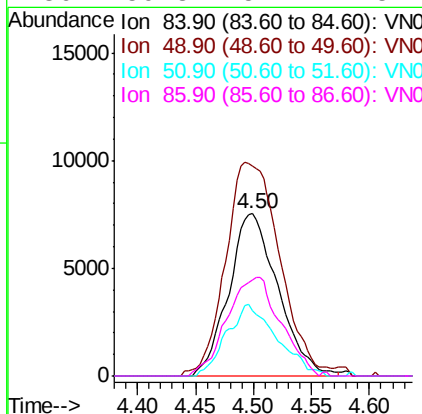
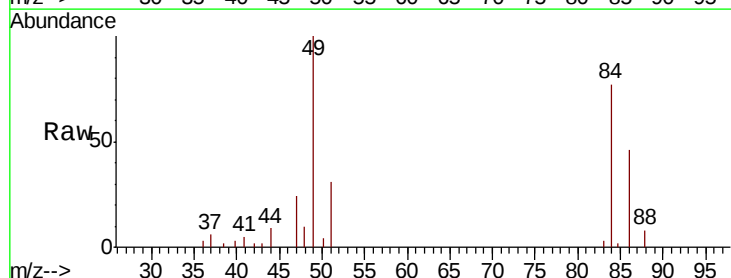
Manual Integrations
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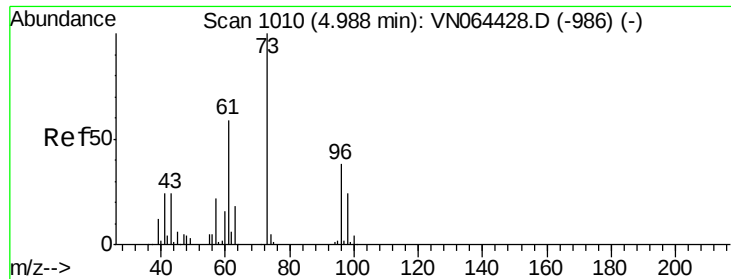
MMDadoda
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#20
Methylene Chloride
Concen: 5.461 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion: 84 Resp: 22310
Ion Ratio Lower Upper
84 100
49 126.5 110.1 165.1
51 40.5 33.6 50.4
86 59.3 52.1 78.1





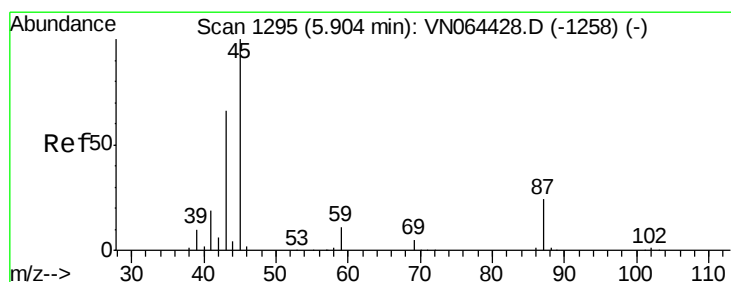
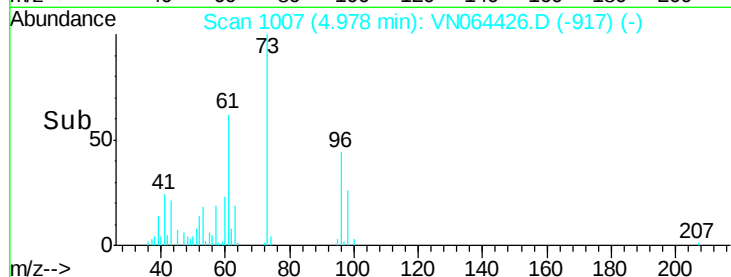
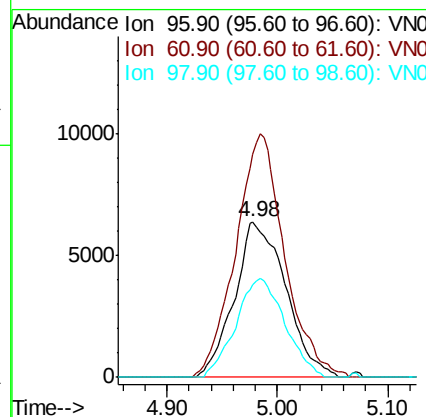
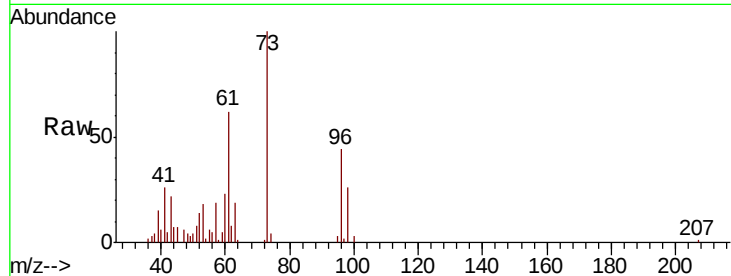
#21
trans-1,2-Dichloroethene
Concen: 5.355 ug/l
RT: 4.98 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	122.4	183.6
98	59.2	50.4	75.6

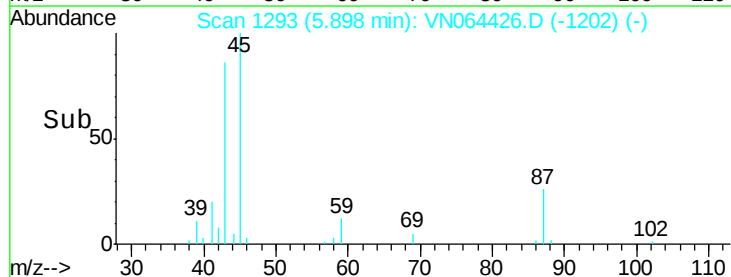
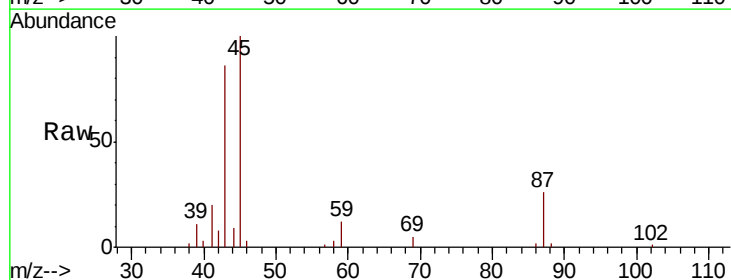
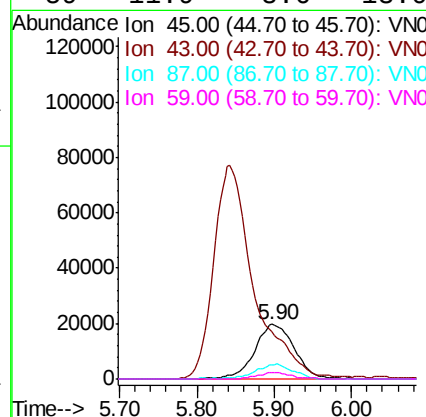
Manual Integrations
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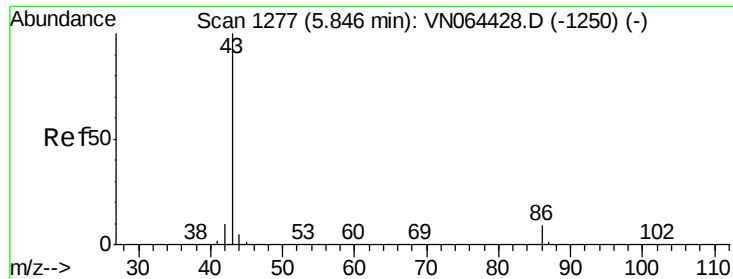
MMDadoda
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#22
Diisopropyl ether
Concen: 5.091 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.2	53.2	79.8#
87	25.9	19.9	29.9
59	11.9	8.6	13.0





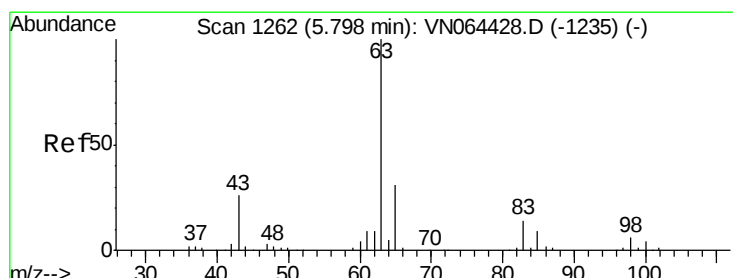
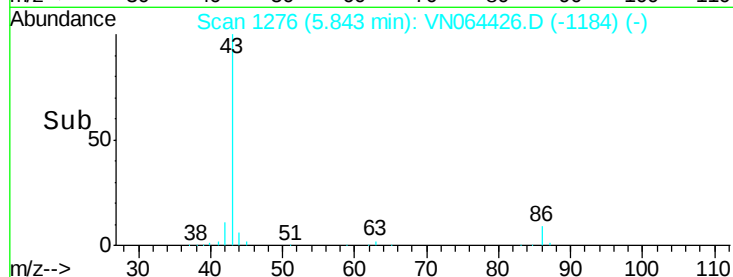
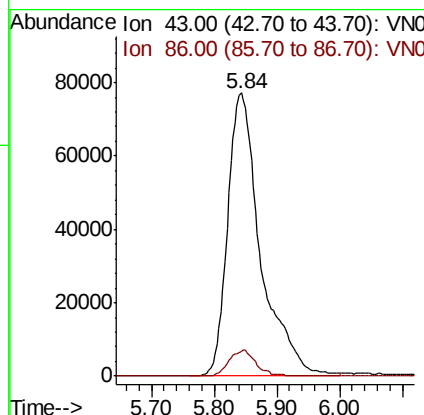
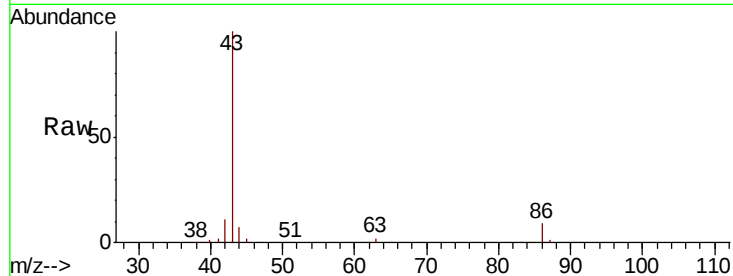
#23
 Vinyl Acetate
 Concen: 24.255 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	281688
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.8	10.2

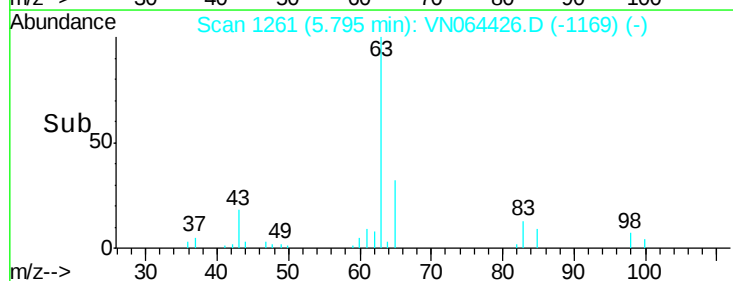
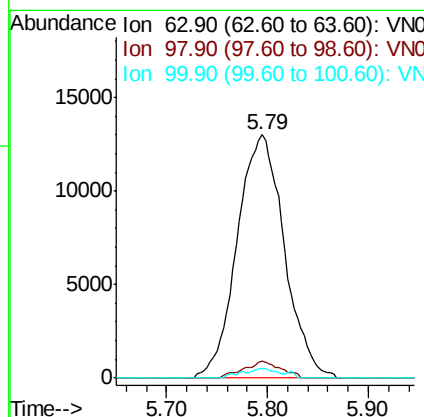
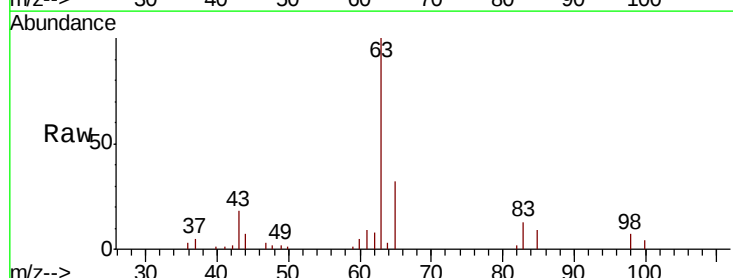
Manual Integrations
 APPROVED

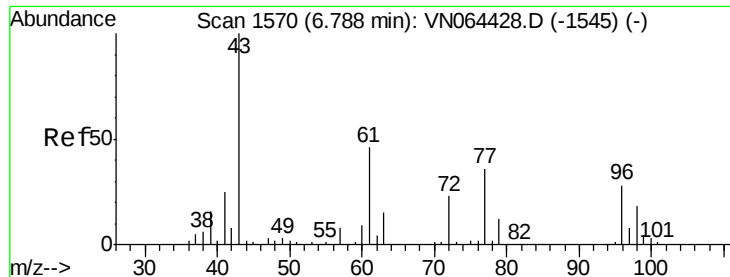
MMDadoda
 11/5/2020 10:59:34 AM



#24
 1,1-Dichloroethane
 Concen: 5.482 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion	63	Resp	42211
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.0	9.2
100	4.0	1.8	5.3





#25

2-Butanone

Concen: 21.947 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 63238

Ion Ratio Lower Upper

43 100

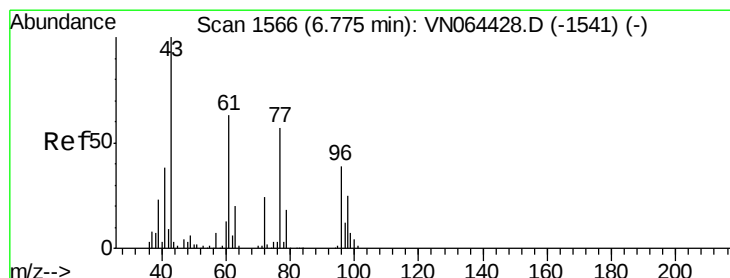
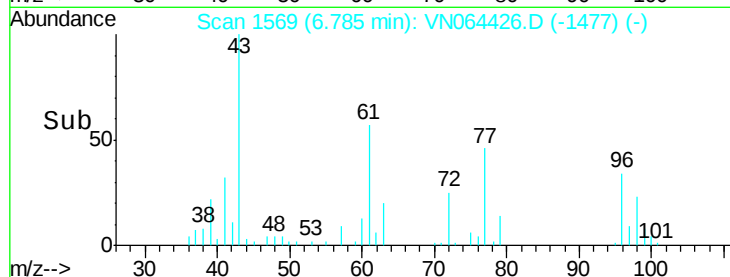
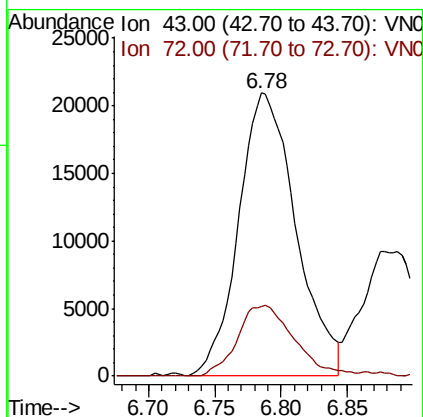
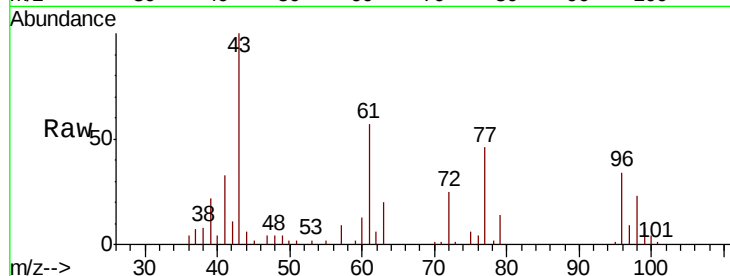
72 24.6 18.5 27.7

Manual Integrations

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11/5/2020 10:59:34 AM



#26

2,2-Dichloropropane

Concen: 4.804 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064426.D

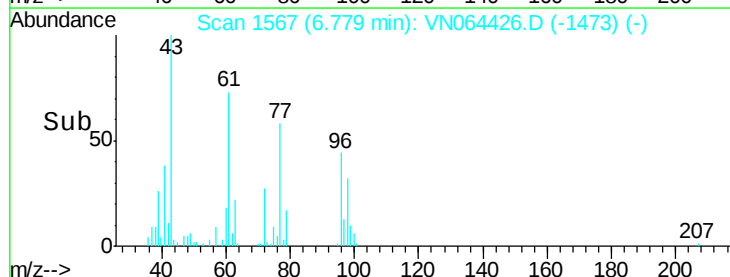
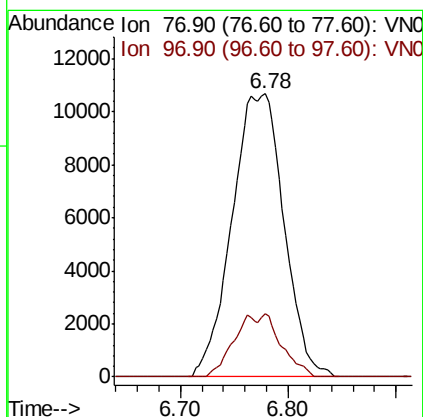
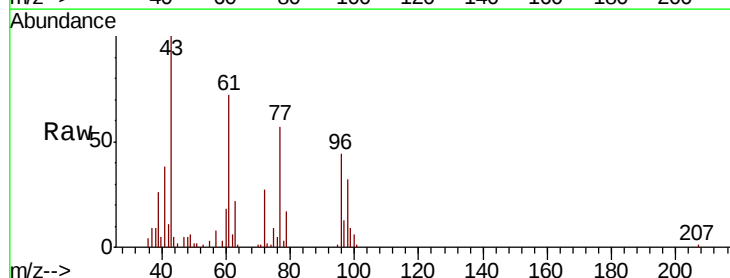
Acq: 4 Nov 2020 10:12

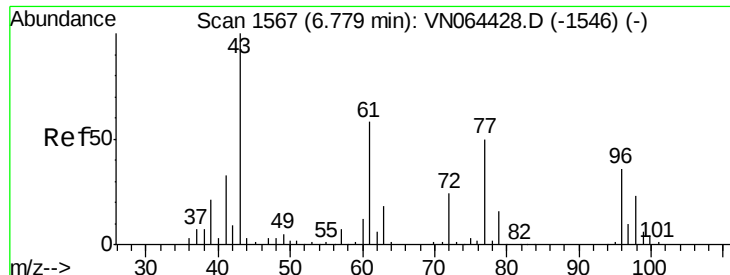
Tgt Ion: 77 Resp: 35679

Ion Ratio Lower Upper

77 100

97 10.7 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 5.231 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

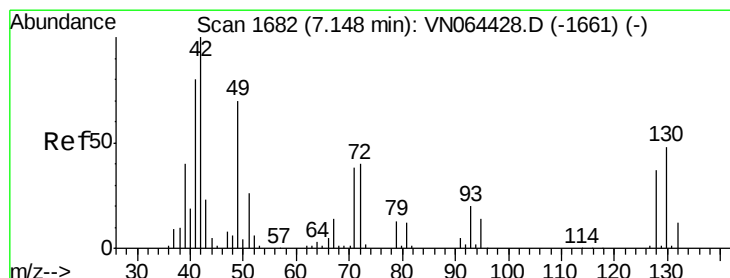
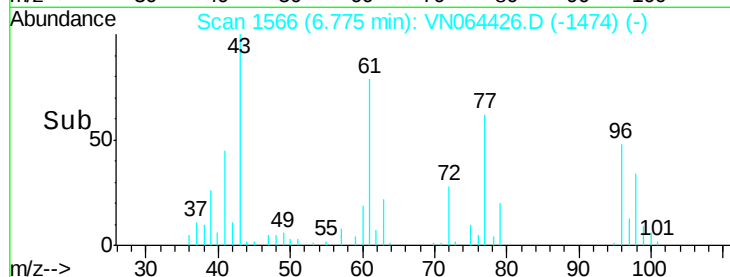
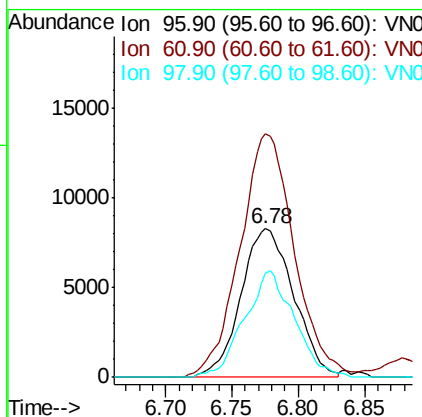
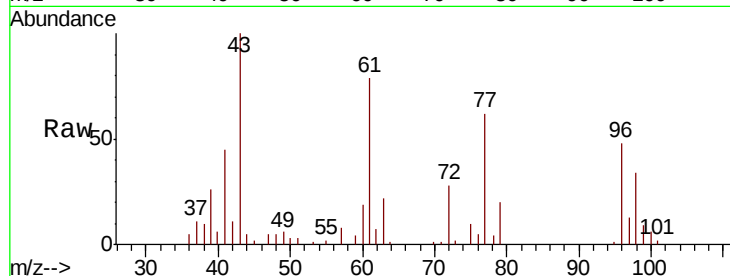
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	23015
Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	329.6
98	67.7	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 5.779 ug/l

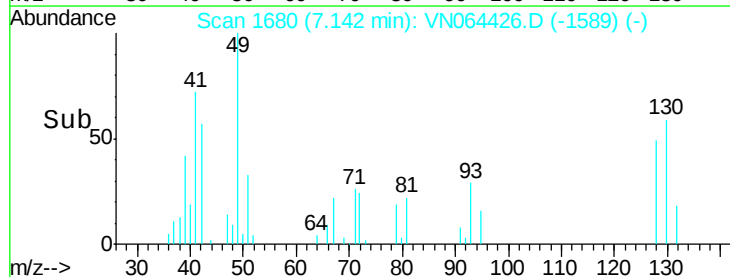
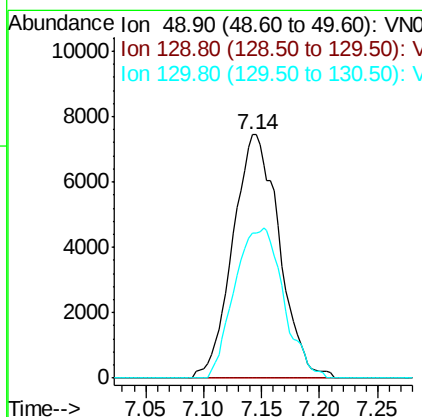
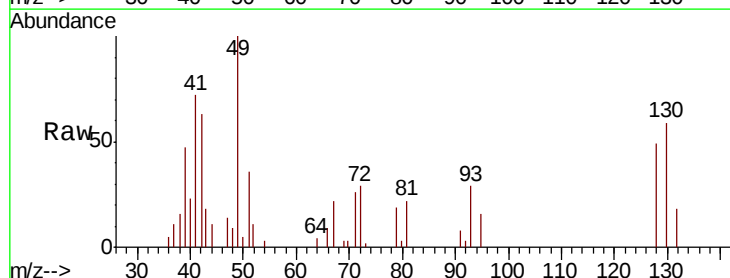
RT: 7.14 min Scan# 1680

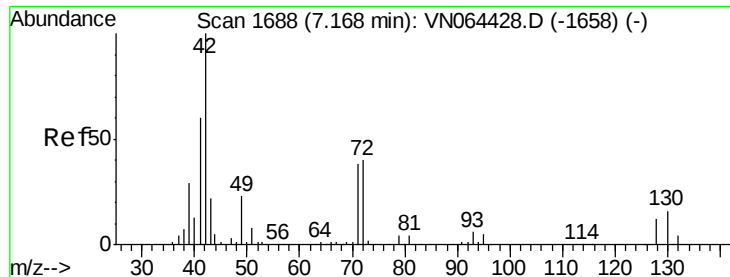
Delta R.T. -0.01 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	49	Resp:	20677
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	64.7	54.2	81.4





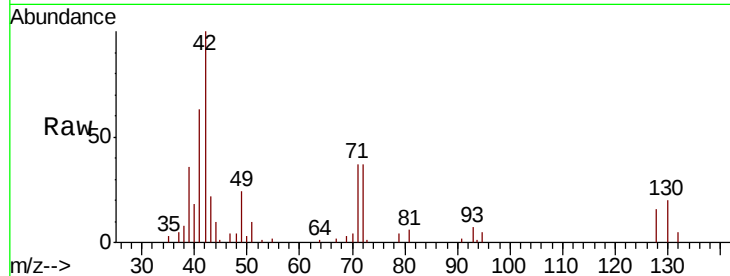
#29
Tetrahydrofuran
Concen: 19.364 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

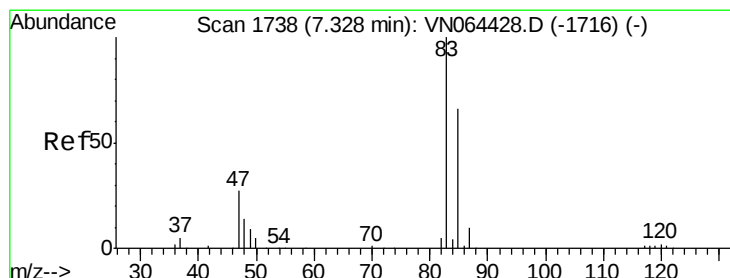
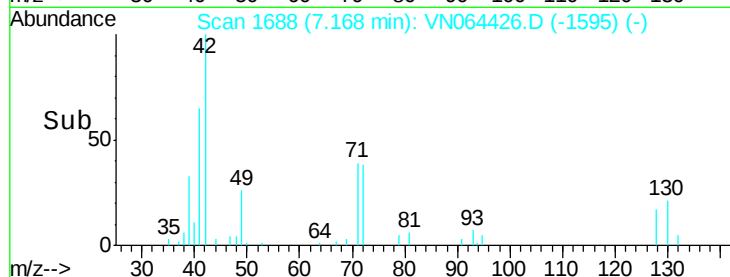
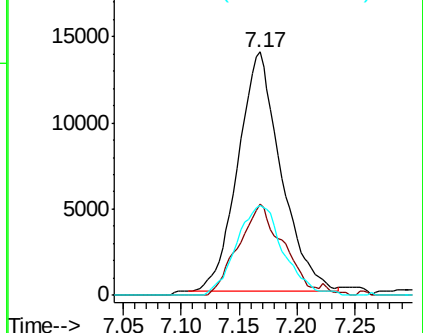
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	40.7	29.8	44.6

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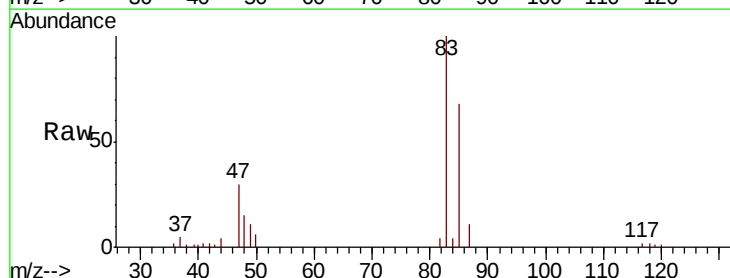


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

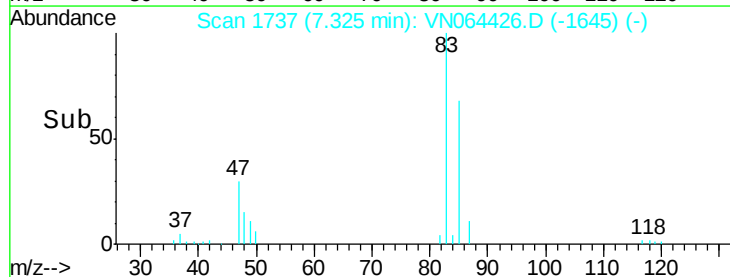
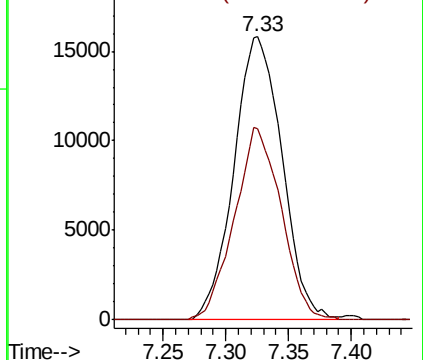


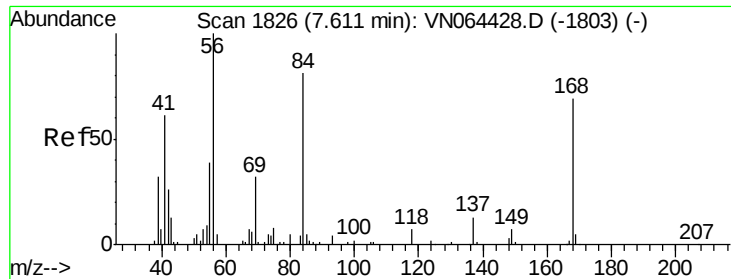
#30
Chloroform
Concen: 5.141 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 6.060 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

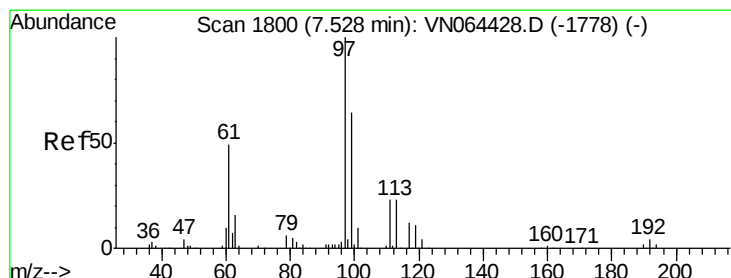
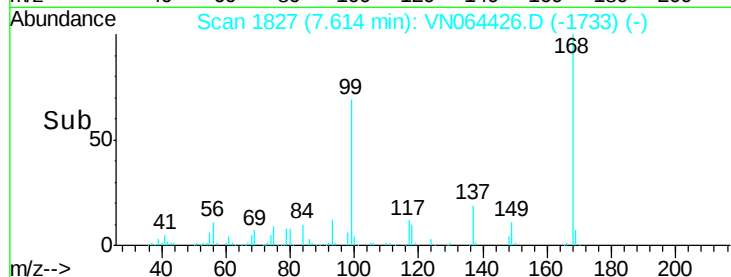
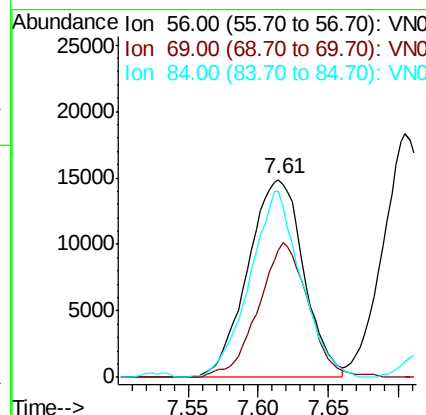
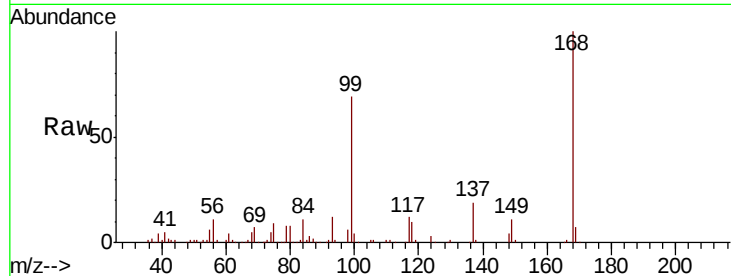
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	40966
Ion Ratio	Lower	Upper	
56	100		
69	64.4	25.6	38.4#
84	93.0	63.0	94.6

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#32

1,1,1-Trichloroethane

Concen: 4.731 ug/l

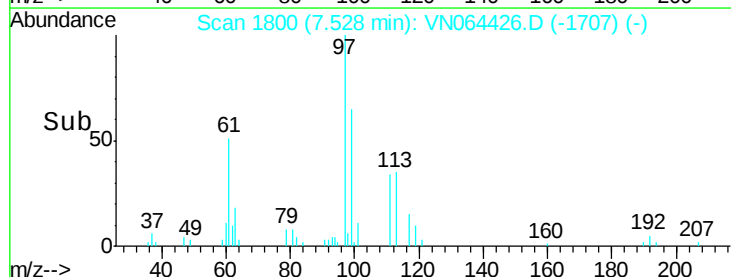
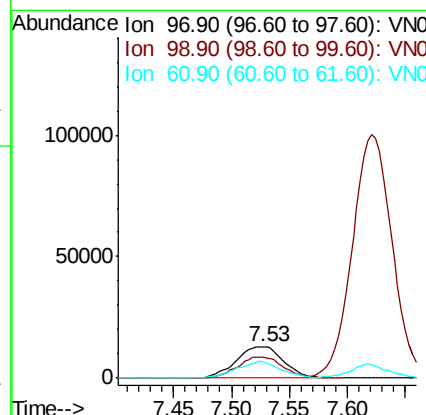
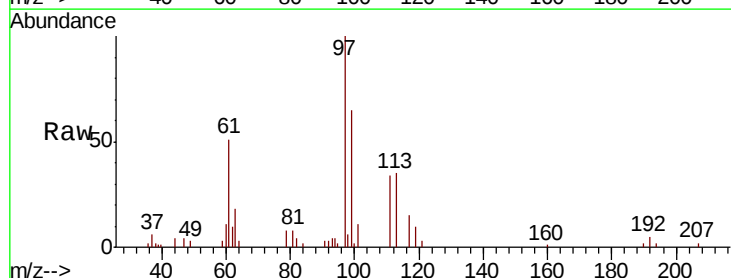
RT: 7.53 min Scan# 1800

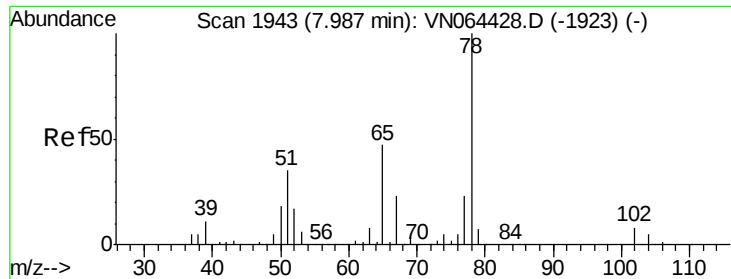
Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	97	Resp:	36716
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.3	76.9
61	50.1	39.1	58.7





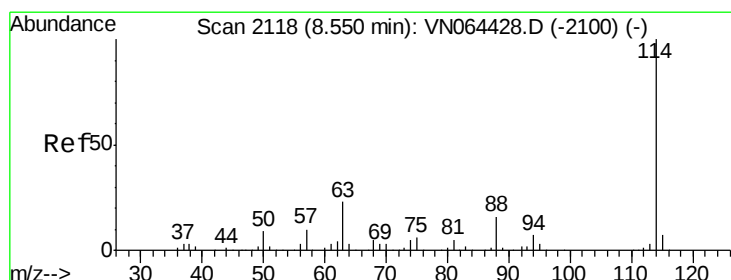
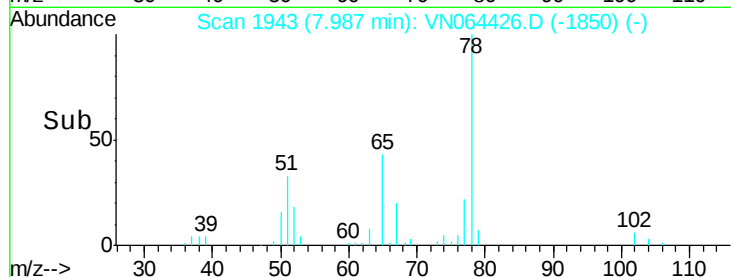
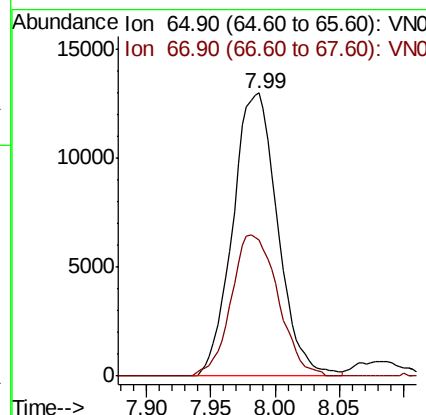
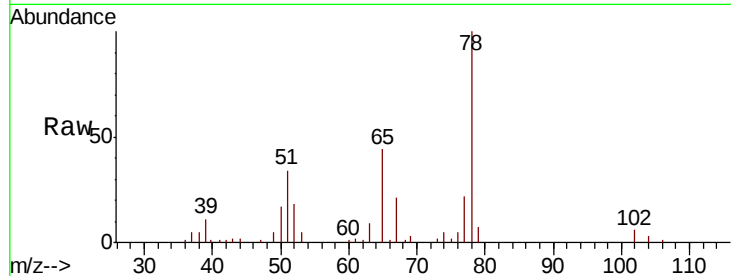
#33
 1,2-Dichloroethane-d4
 Concen: 5.514 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 65 Resp: 31473
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.6

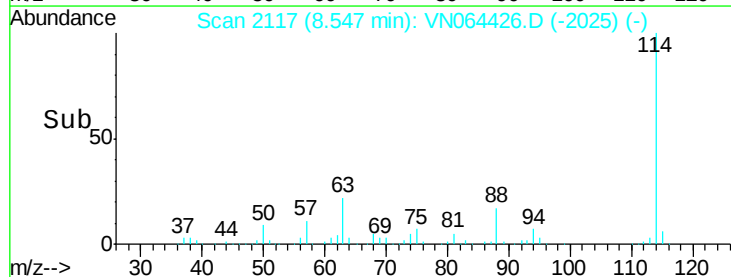
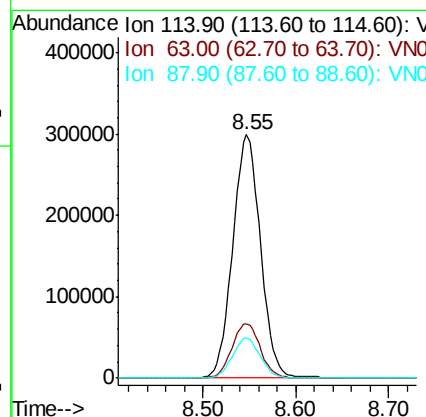
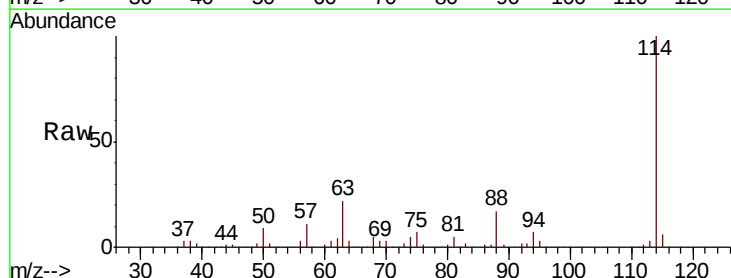
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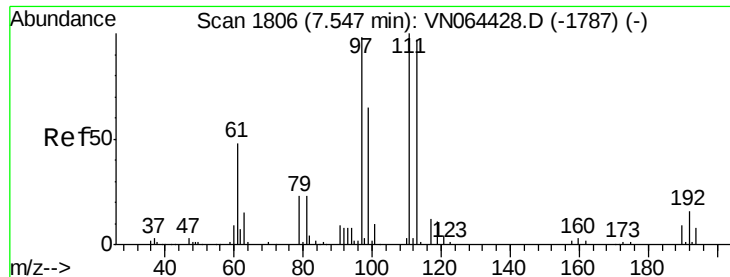
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion: 114 Resp: 620881
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.5 0.0 32.8





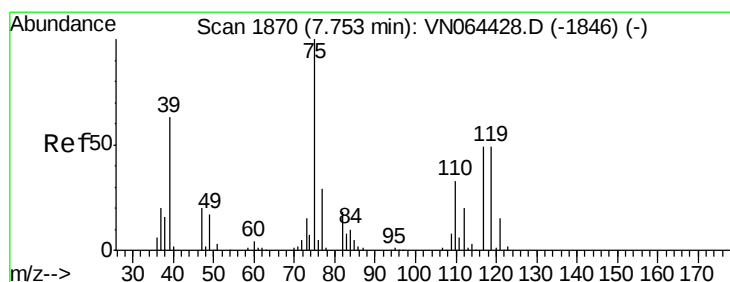
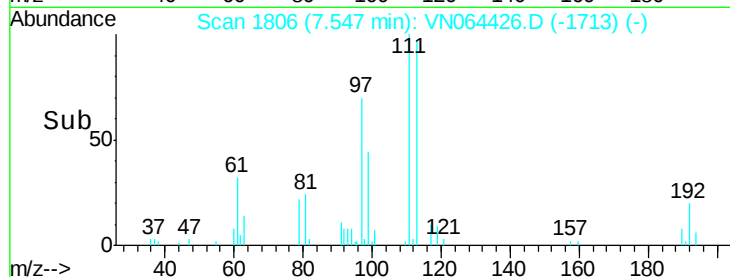
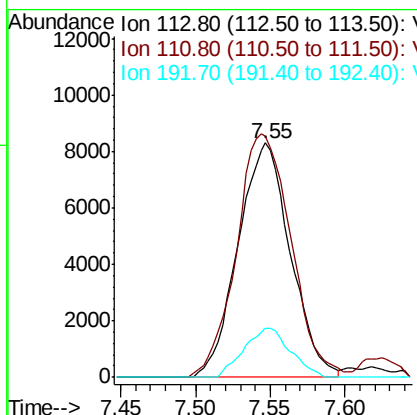
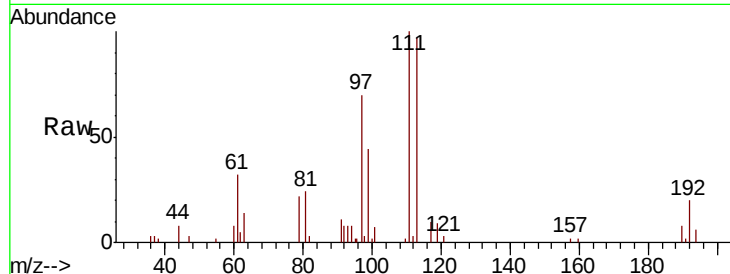
#35
 Dibromofluoromethane
 Concen: 4.880 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	108.2	81.1	121.7
192	18.6	12.8	19.2

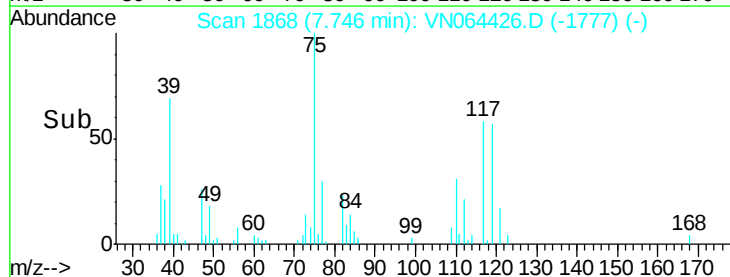
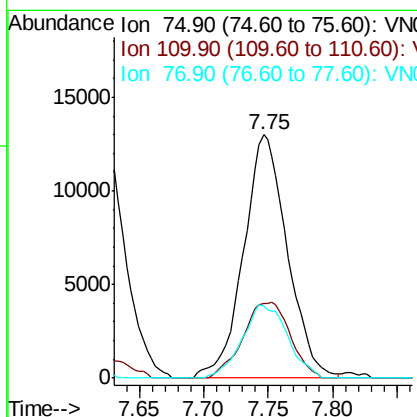
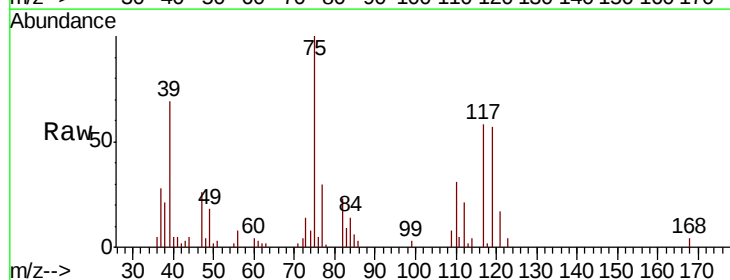
Manual Integrations
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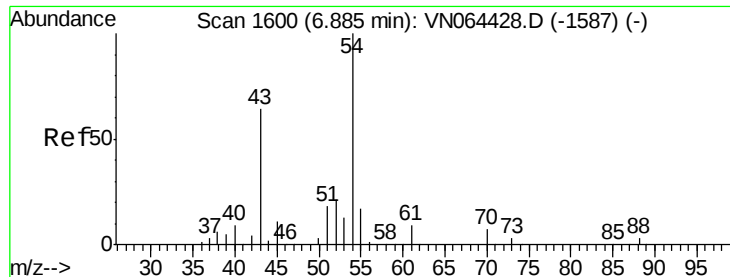
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.0	48.0
77	31.4	24.0	36.0





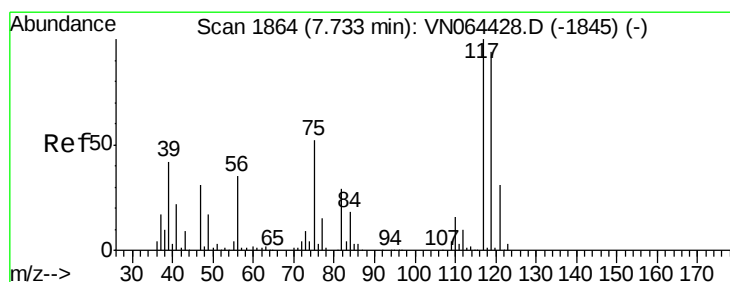
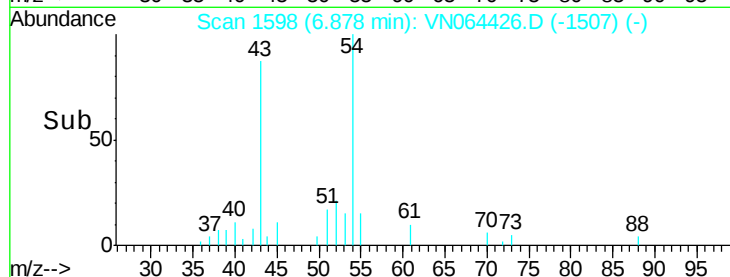
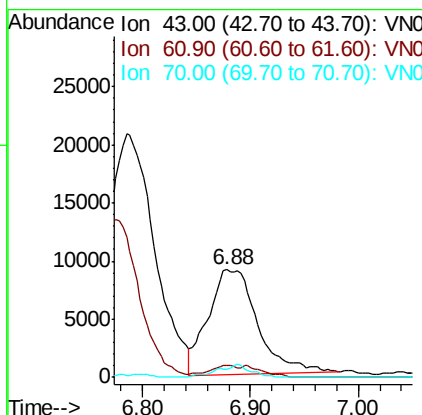
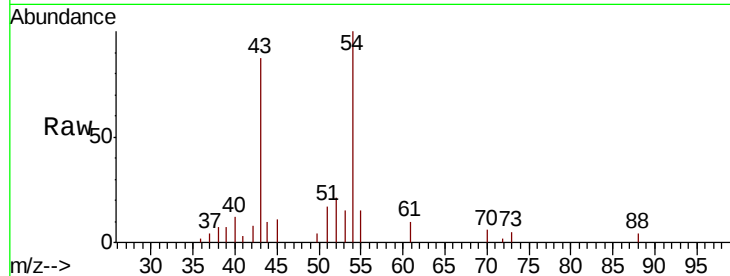
#37
Ethyl Acetate
Concen: 4.513 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	3.2	7.1	10.7#

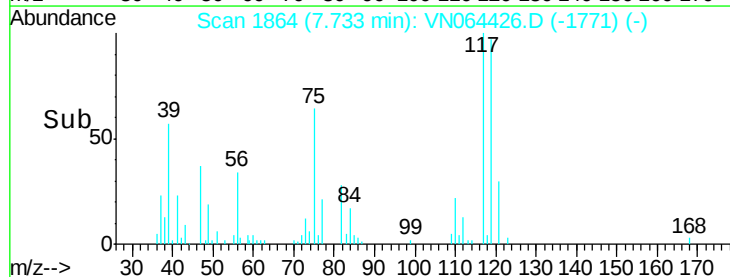
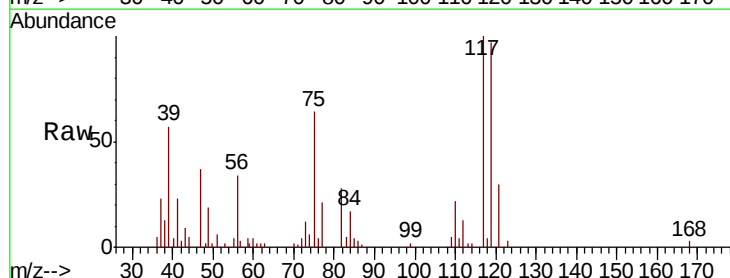
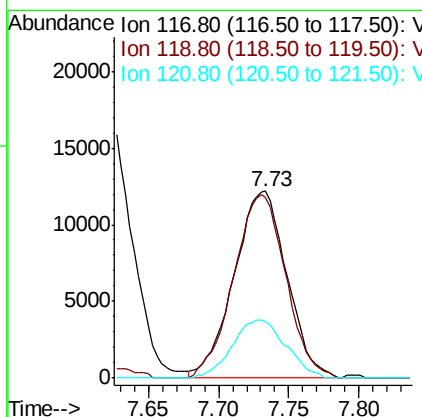
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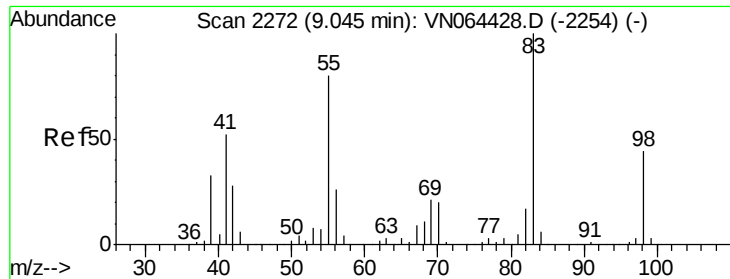
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#38
Carbon Tetrachloride
Concen: 4.387 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.5	113.3
121	30.1	24.4	36.6





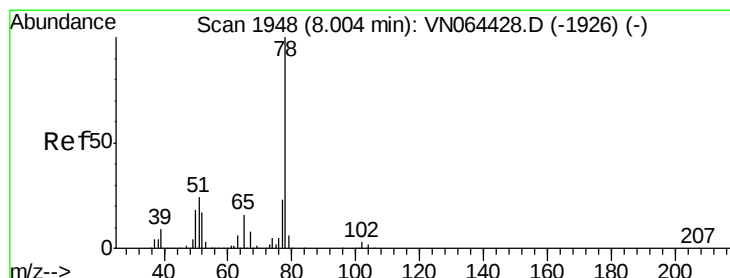
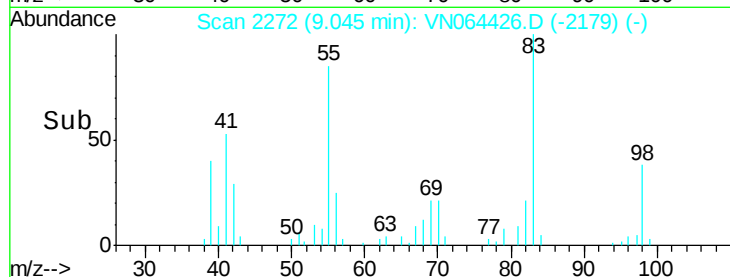
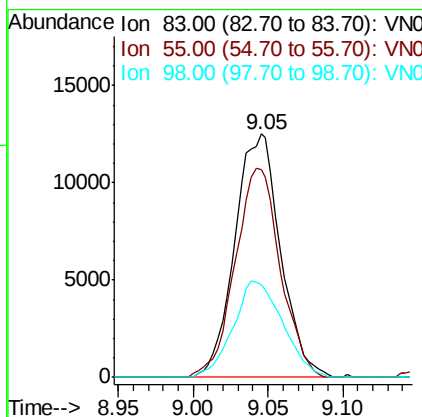
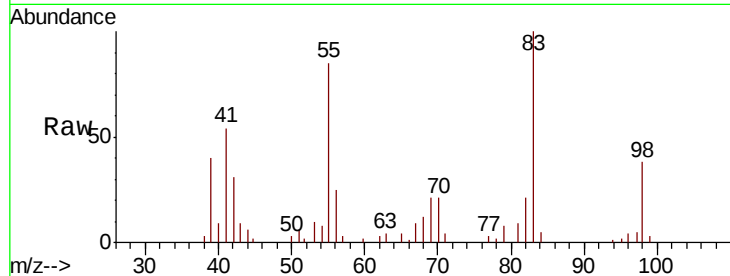
#39
Methvlcvclohexane
Concen: 4.260 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	63.8	95.6
98	37.9	35.4	53.2

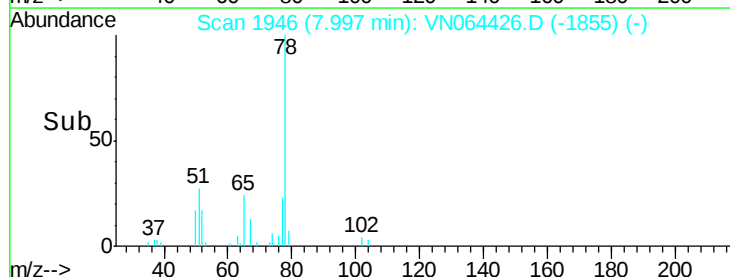
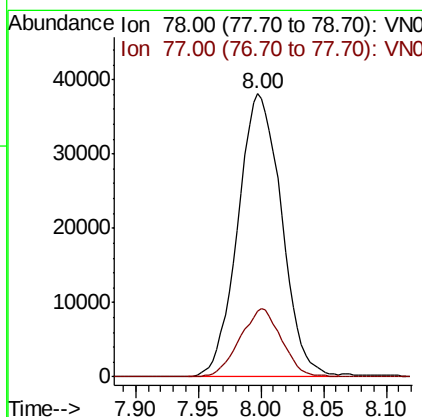
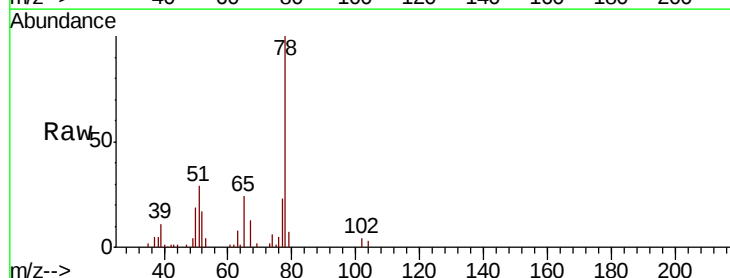
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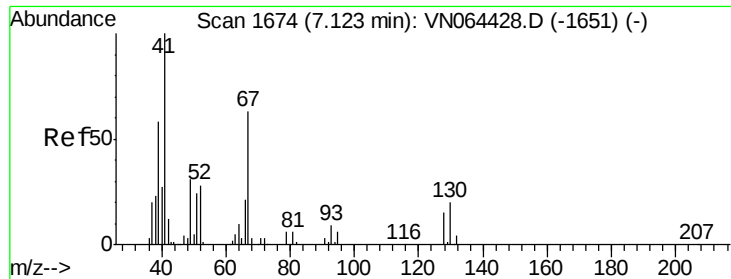
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#40
Benzene
Concen: 5.145 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





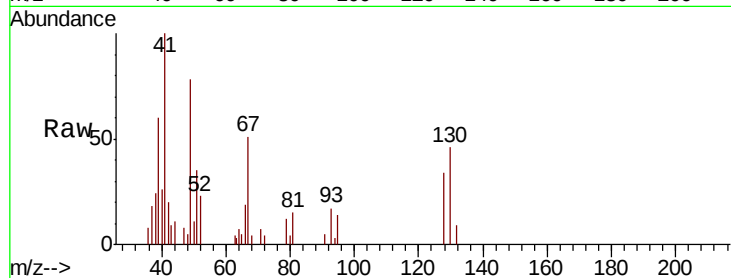
#41
Methacrylonitrile
Concen: 3.887 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

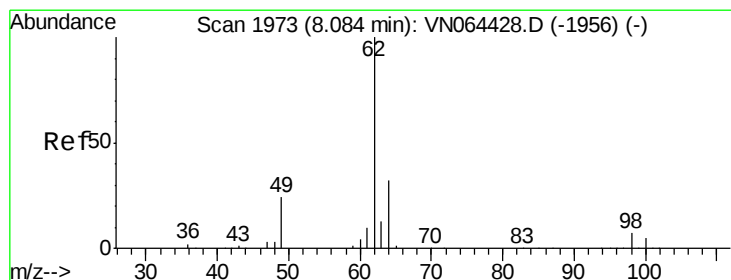
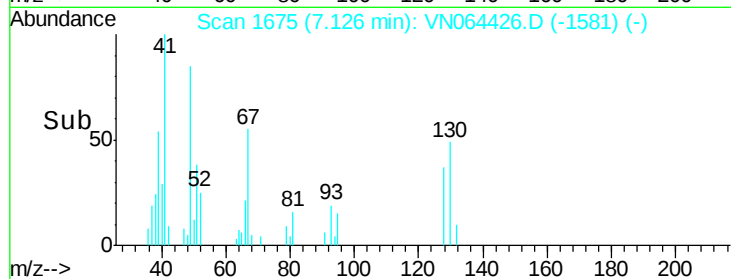
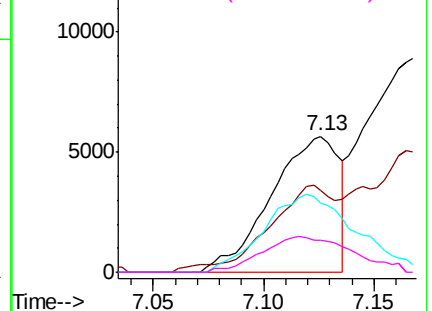
Tot Ion:	41	Resp:	12091
Ion Ratio	Lower	Upper	
41	100		
39	59.6	50.0	75.0
67	77.2	68.3	102.5
52	35.0	32.7	49.1

Manual Integrations
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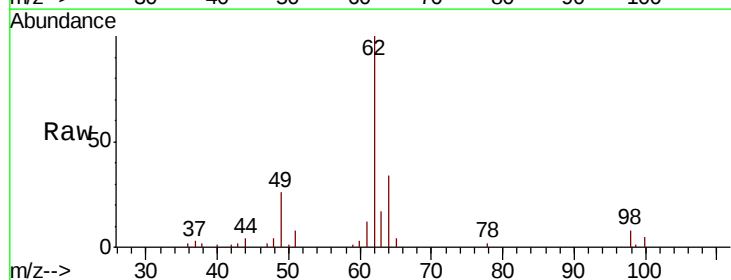


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

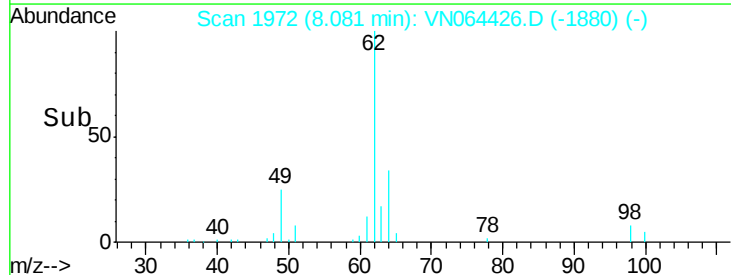
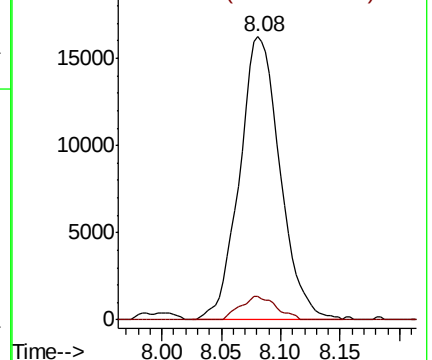


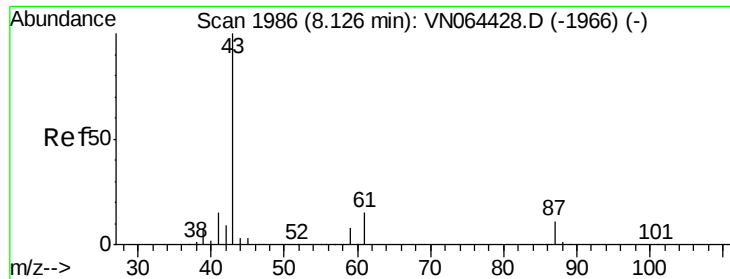
#42
1,2-Dichloroethane
Concen: 5.023 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion:	62	Resp:	38358
Ion Ratio	Lower	Upper	
62	100		
98	7.3	0.0	14.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





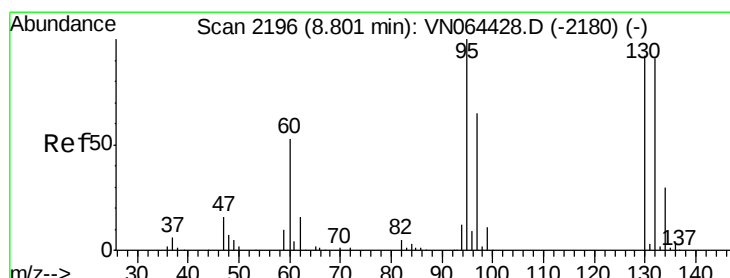
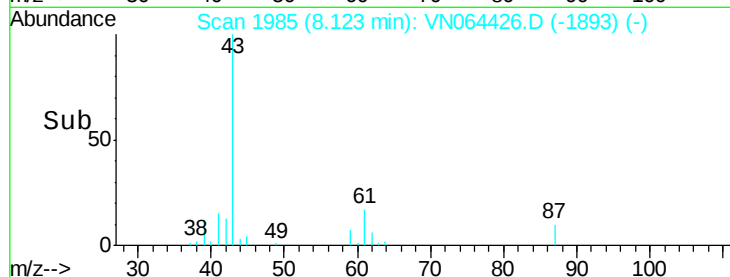
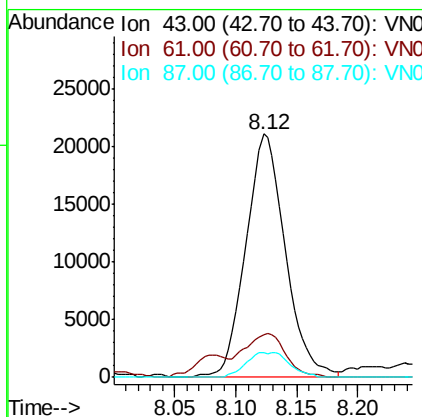
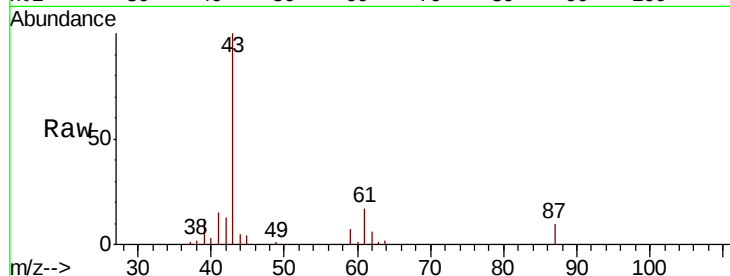
#43
Isopropyl Acetate
Concen: 4.330 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.0	21.0
87	5.7	9.1	13.7

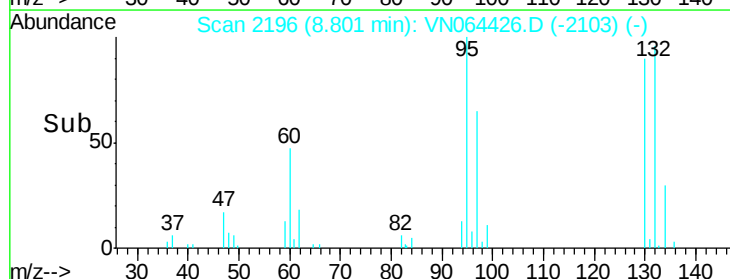
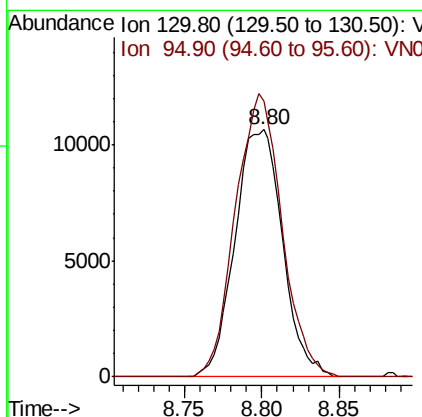
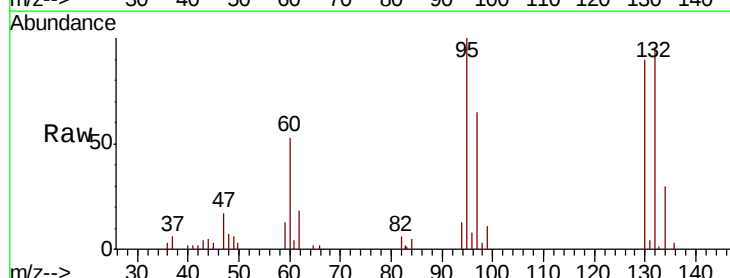
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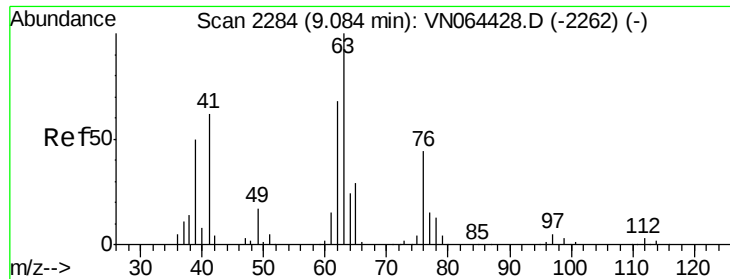
MMDadoda
11/5/2020 10:59:34 AM



#44
Trichloroethene
Concen: 4.926 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.4	0.0	216.8





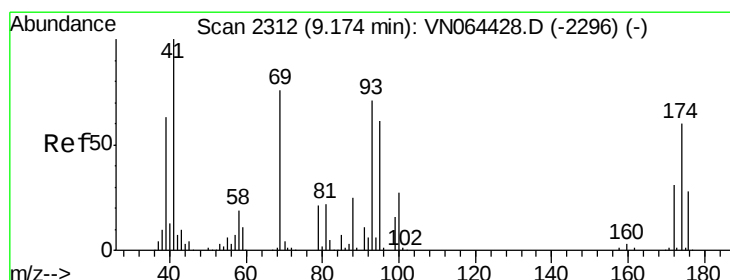
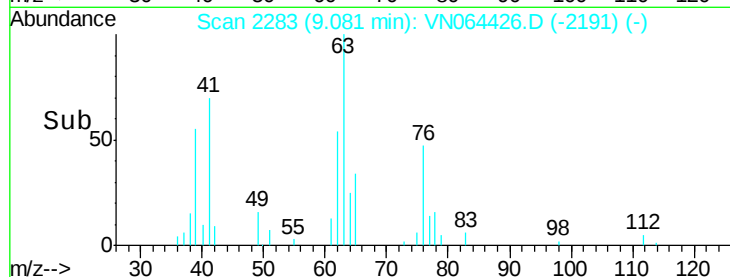
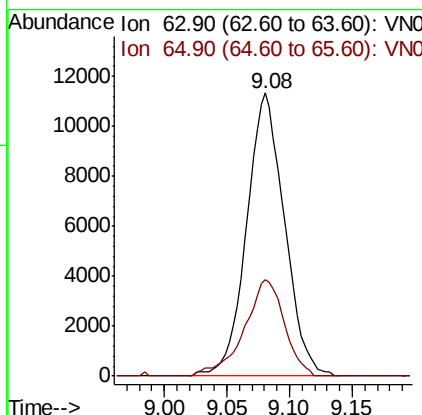
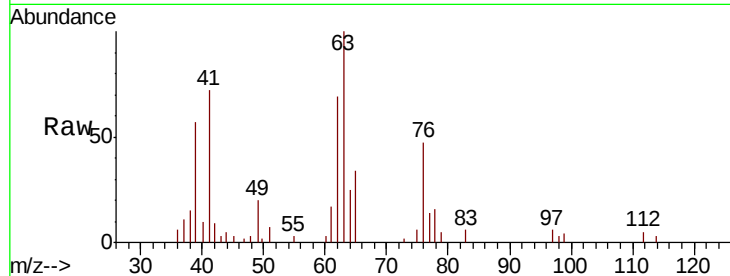
#45
 1,2-Dichloropropane
 Concen: 4.961 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 23864
 Ion Ratio Lower Upper
 63 100
 65 34.2 23.6 35.4

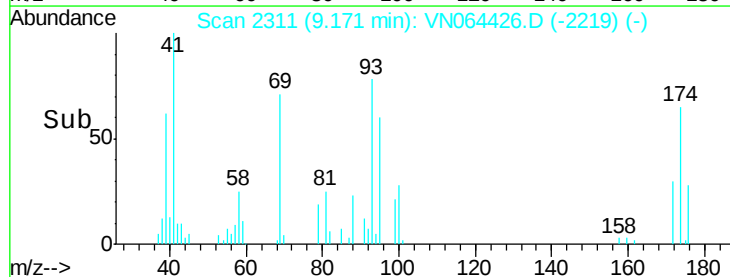
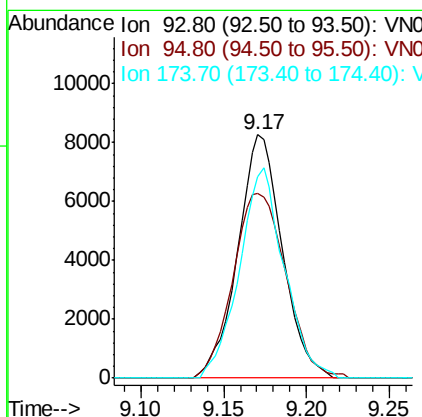
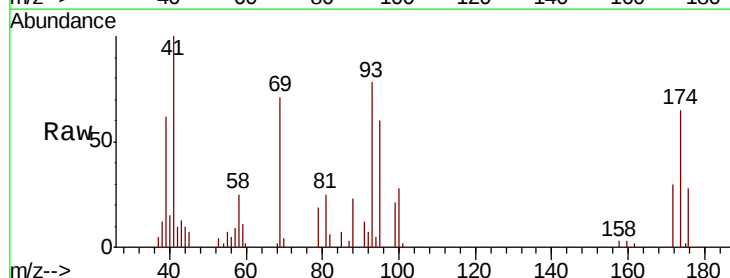
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 11/5/2020 10:59:34 AM



#46
 Dibromomethane
 Concen: 4.673 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion: 93 Resp: 15429
 Ion Ratio Lower Upper
 93 100
 95 90.4 66.4 99.6
 174 87.1 67.2 100.8





#47

Bromodichloromethane

Concen: 4.665 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

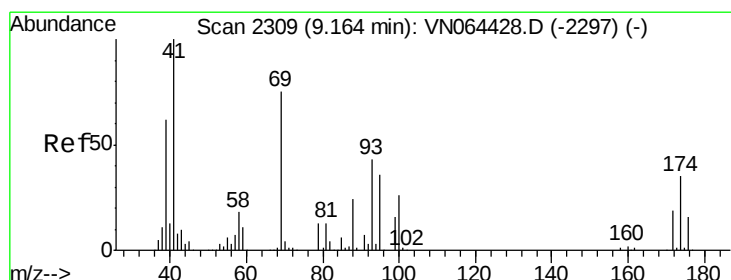
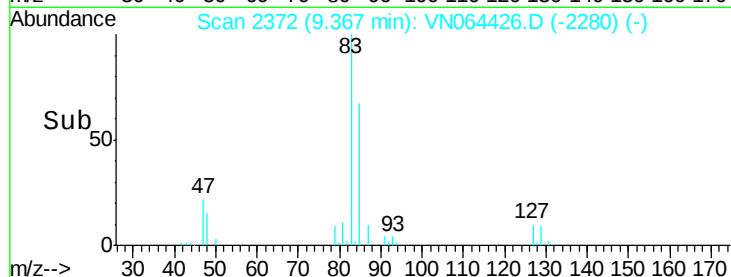
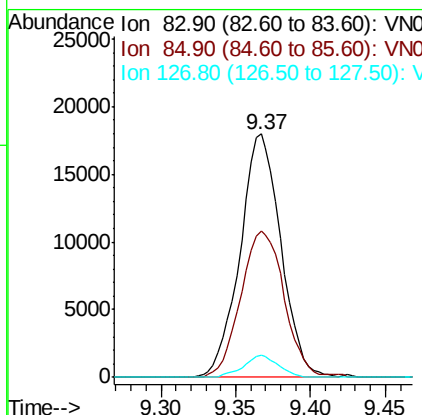
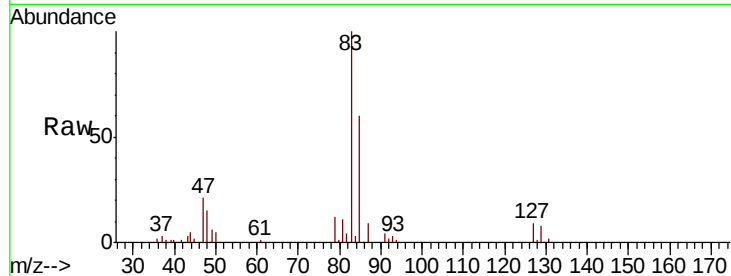
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34206
Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.2	76.8
127	9.1	6.9	10.3

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#48

Methyl methacrylate

Concen: 4.101 ug/l

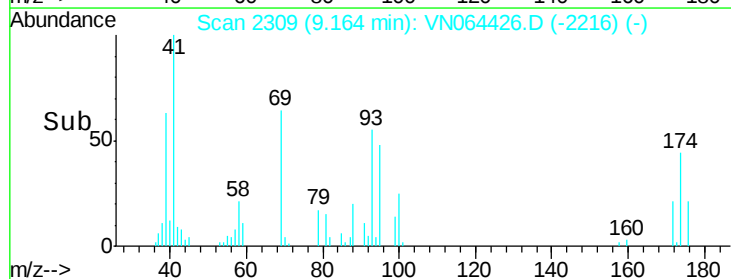
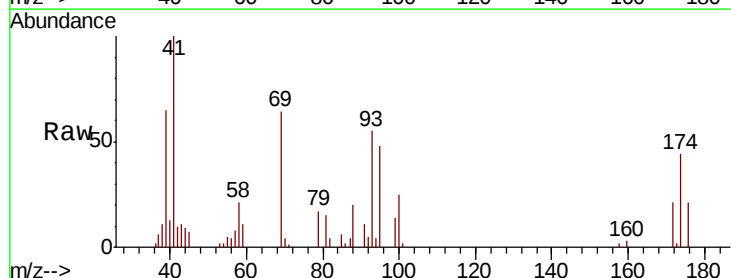
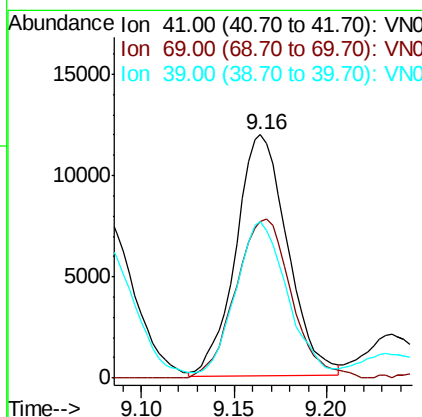
RT: 9.16 min Scan# 2309

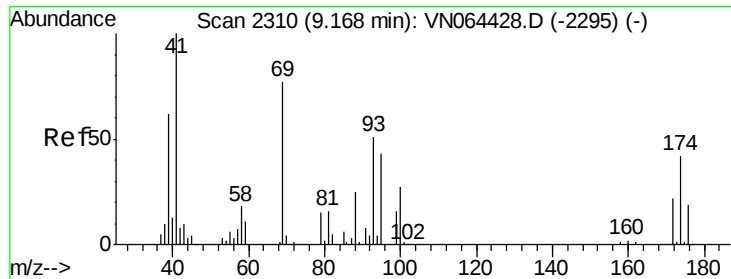
Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	41	Resp:	23085
Ion	Ratio	Lower	Upper
41	100		
69	71.1	60.4	90.6
39	65.7	51.2	76.8





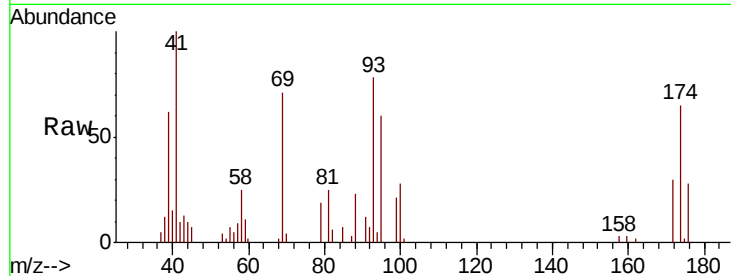
#49
1,4-Dioxane
Concen: 73.358 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	31.0	46.6
58	94.9	58.4	87.6

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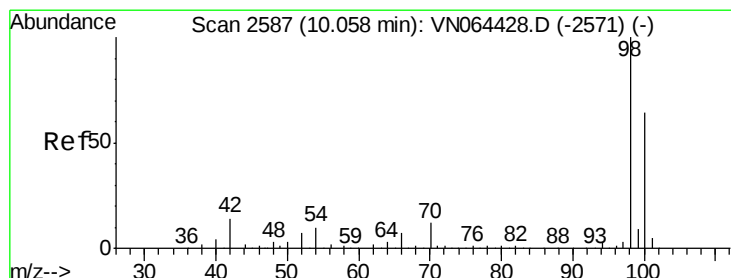
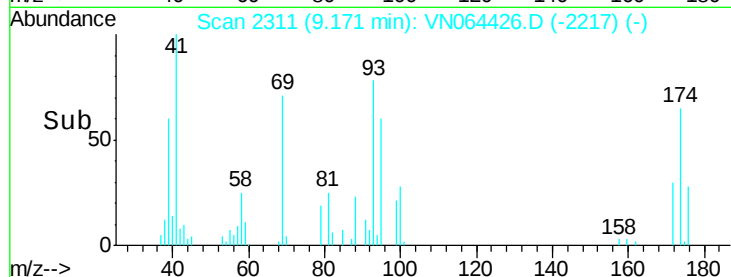
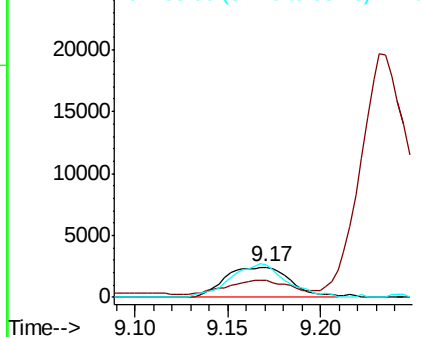


Abundance

Ion 88.00 (87.70 to 88.70): VN0

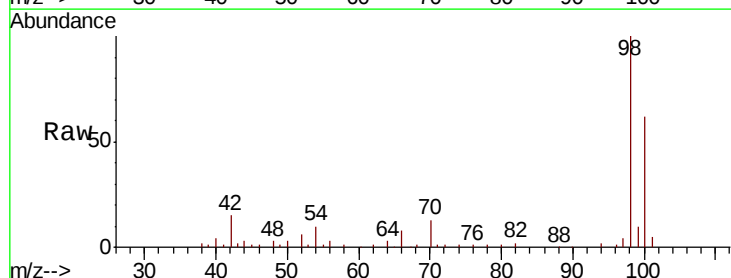
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 4.949 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

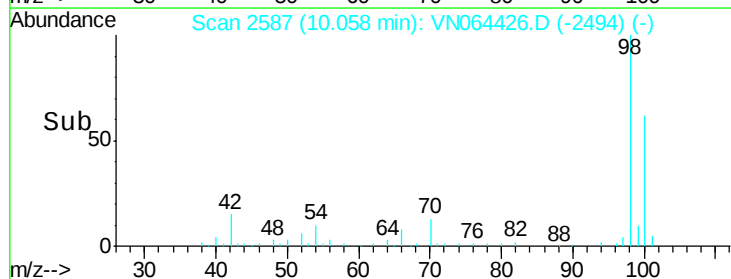
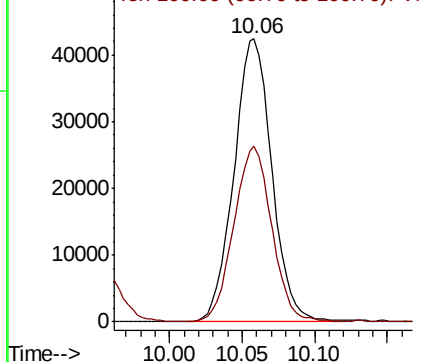
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	50.7	76.1

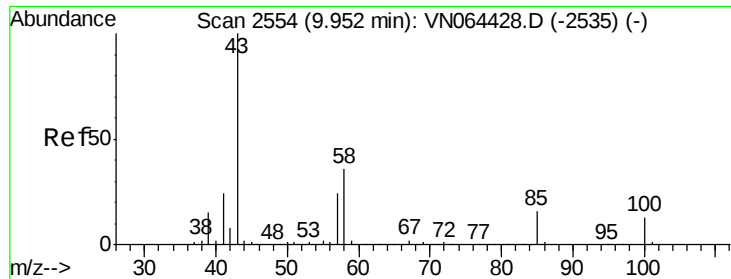


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 20.825 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 132635

Ion Ratio Lower Upper

43 100

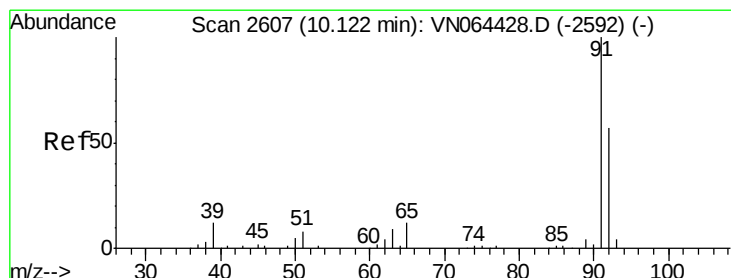
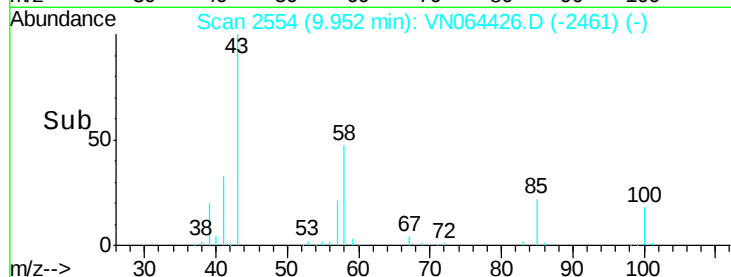
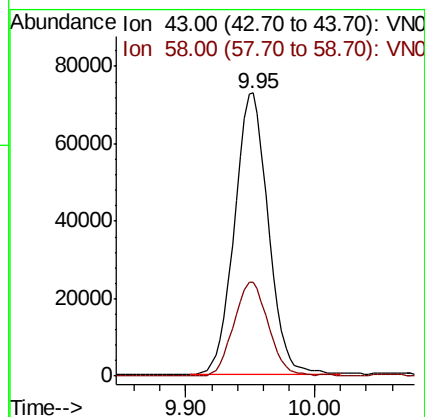
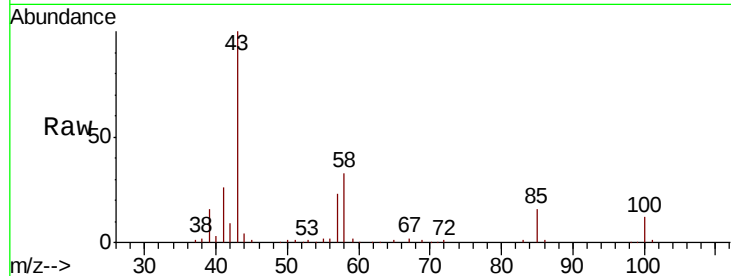
58 34.3 28.4 42.6

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#52

Toluene

Concen: 4.710 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064426.D

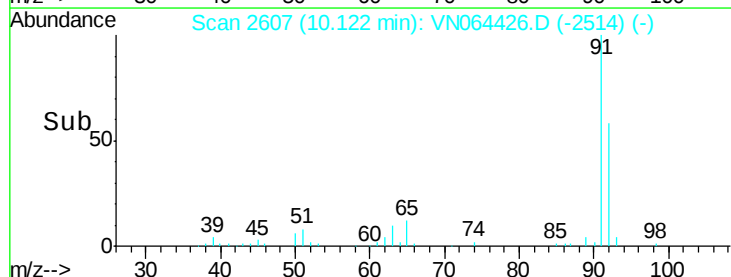
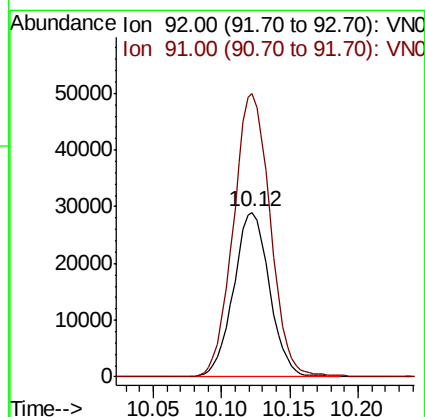
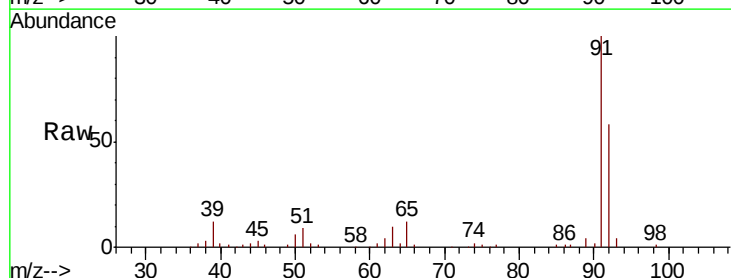
Acq: 4 Nov 2020 10:12

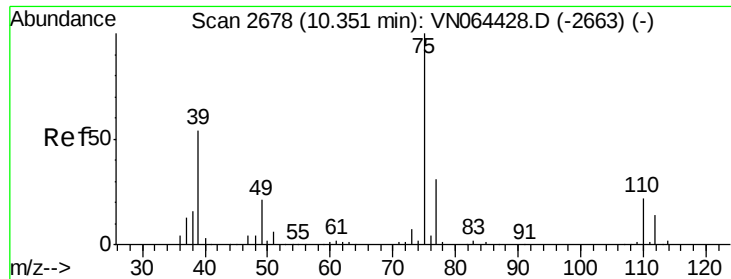
Tgt Ion: 92 Resp: 53212

Ion Ratio Lower Upper

92 100

91 176.8 139.6 209.4





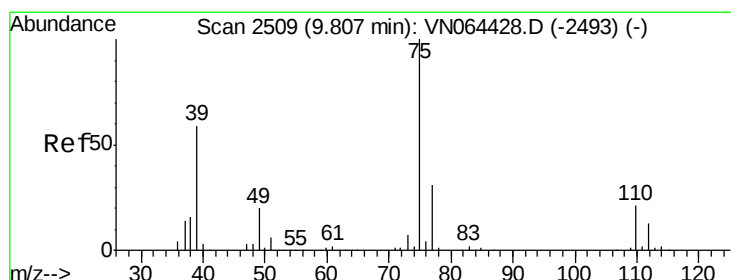
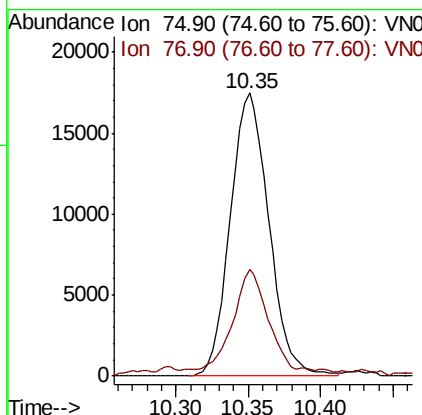
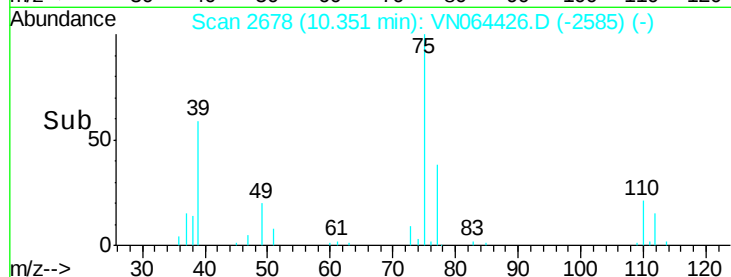
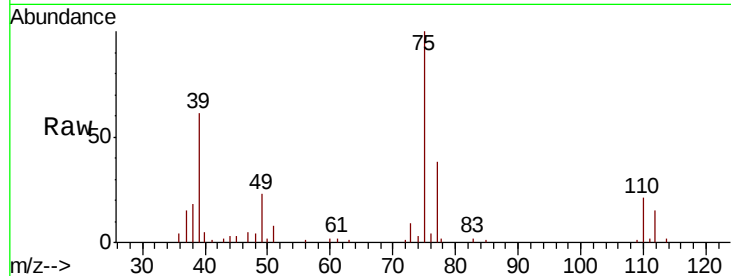
#53
t-1,3-Dichloropropene
Concen: 4.149 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 32351
Ion Ratio Lower Upper
75 100
77 36.0 24.8 37.2

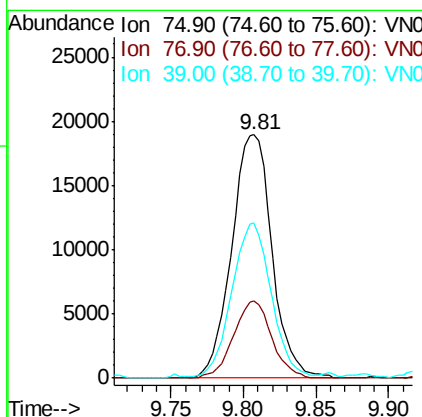
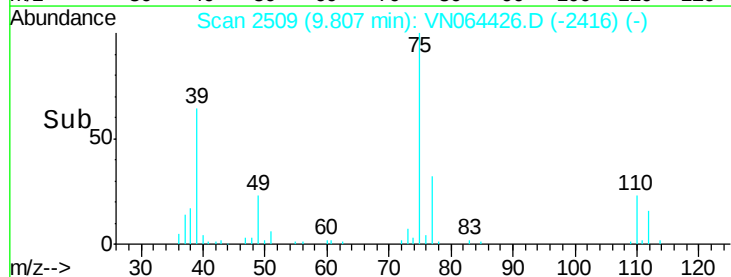
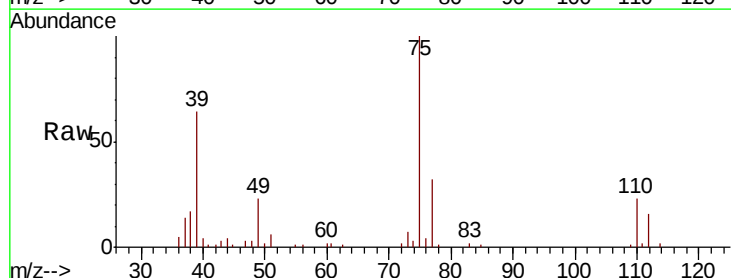
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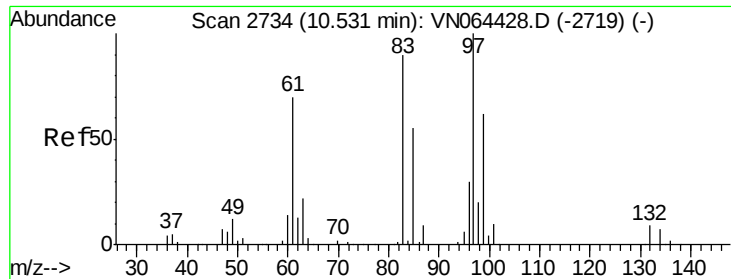
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.563 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion: 75 Resp: 36591
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 63.0 47.1 70.7





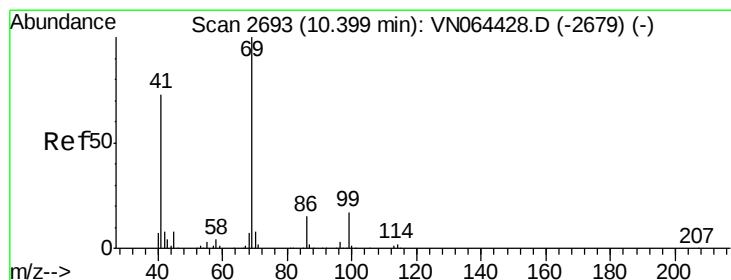
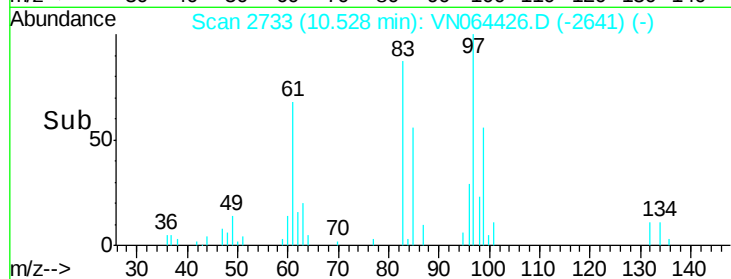
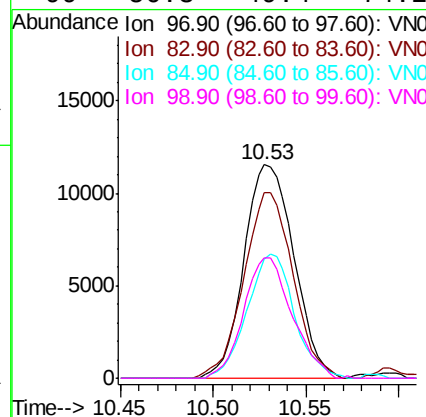
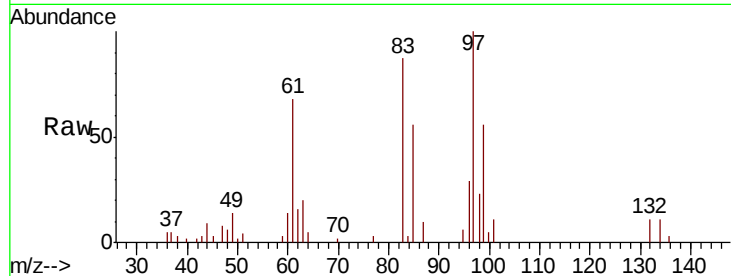
#55
 1,1,2-Trichloroethane
 Concen: 4.887 ug/l
 RT: 10.53 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.7	107.5
85	55.8	44.3	66.5
99	56.3	49.4	74.2

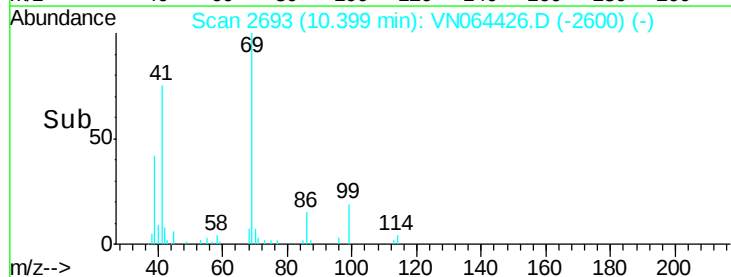
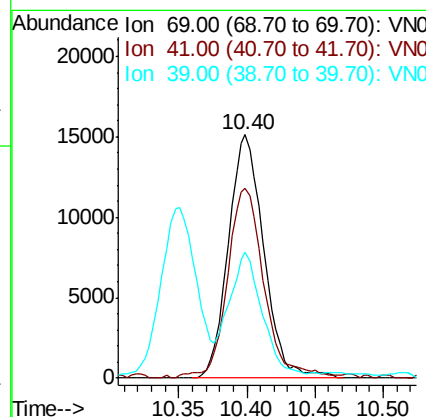
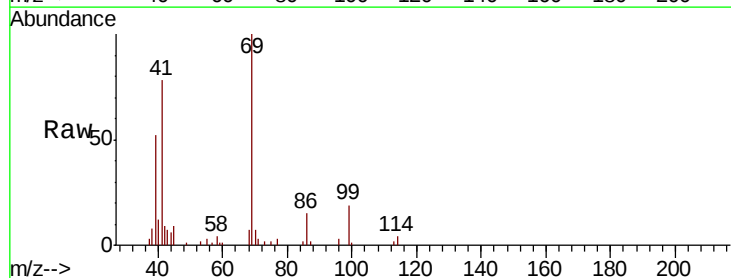
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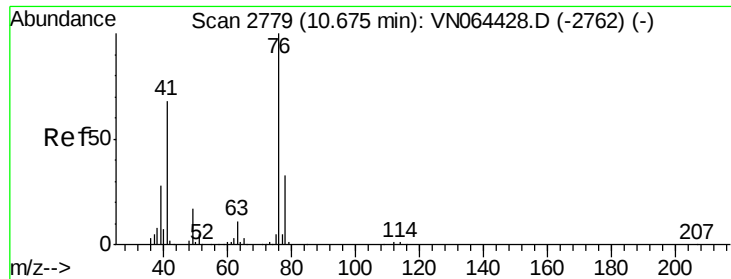
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 11/5/2020 10:59:34 AM



#56
 Ethyl methacrylate
 Concen: 4.081 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.5	59.3	88.9
39	45.6	35.4	53.0





#57

1,3-Dichloropropane

Concen: 4.740 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 35863

Ion Ratio Lower Upper

76 100

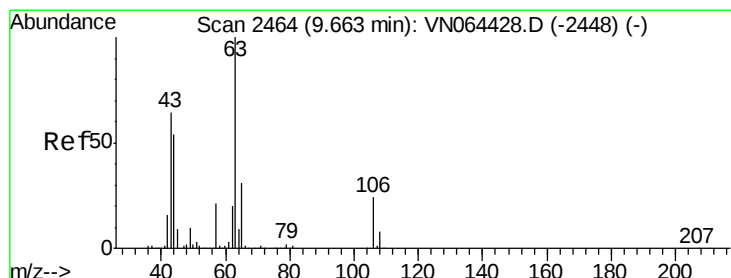
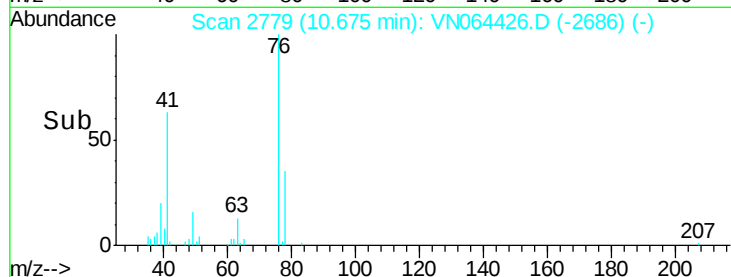
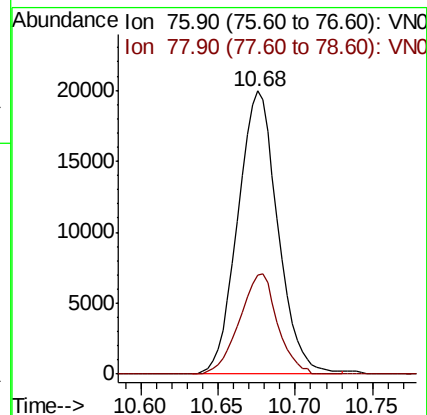
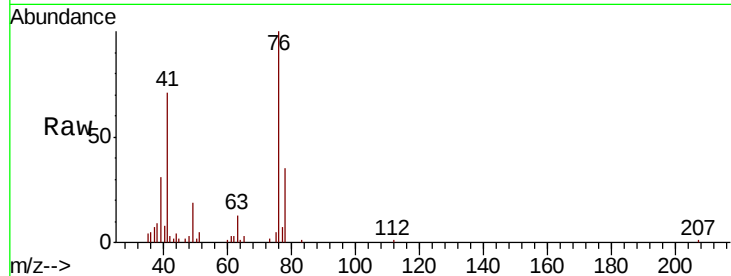
78 33.5 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 20.456 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064426.D

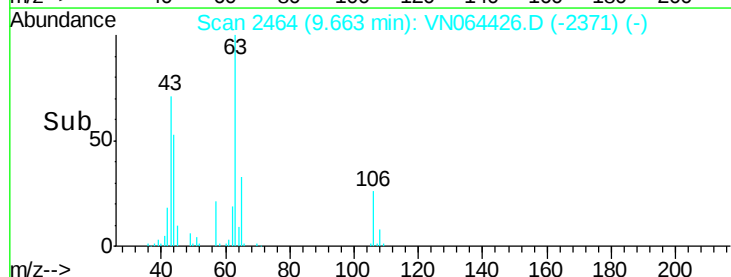
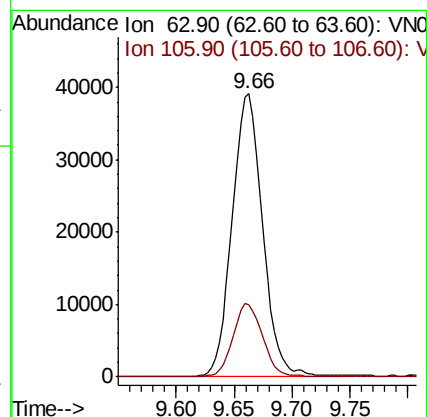
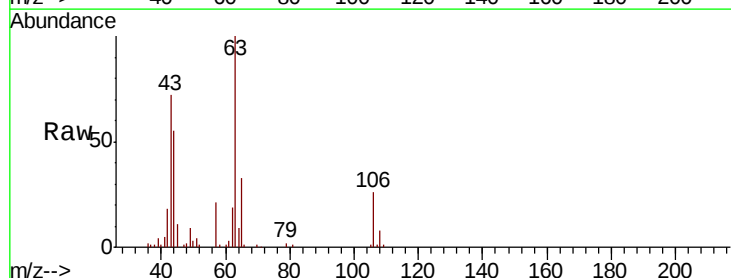
Acq: 4 Nov 2020 10:12

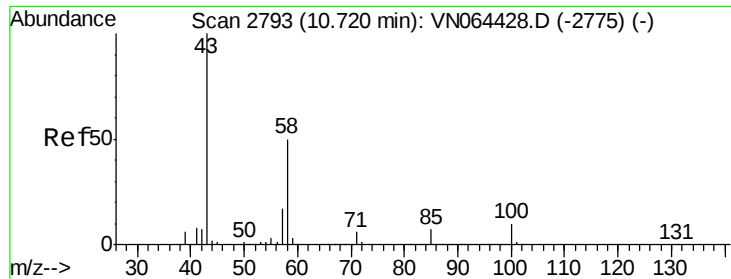
Tgt Ion: 63 Resp: 71183

Ion Ratio Lower Upper

63 100

106 24.9 19.5 29.3





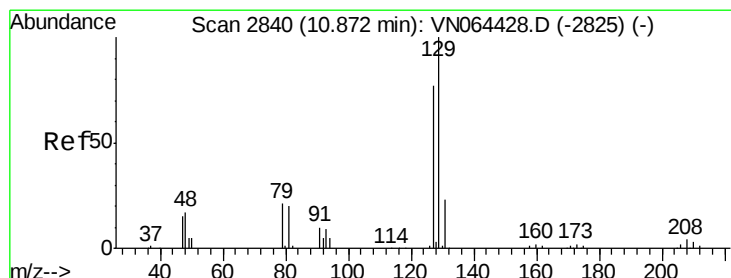
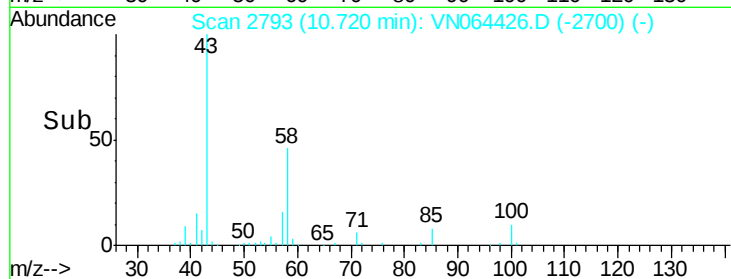
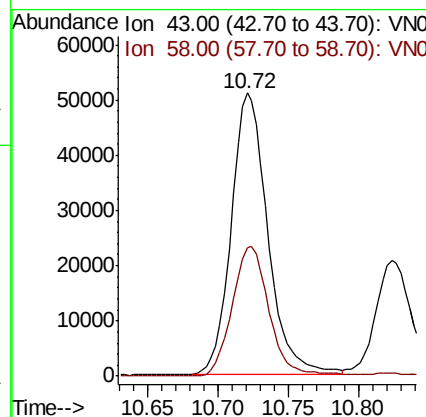
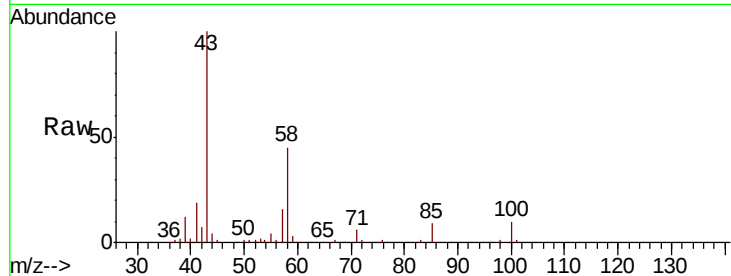
#59
2-Hexanone
Concen: 19.628 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 91880
Ion Ratio Lower Upper
43 100
58 46.9 24.7 74.1

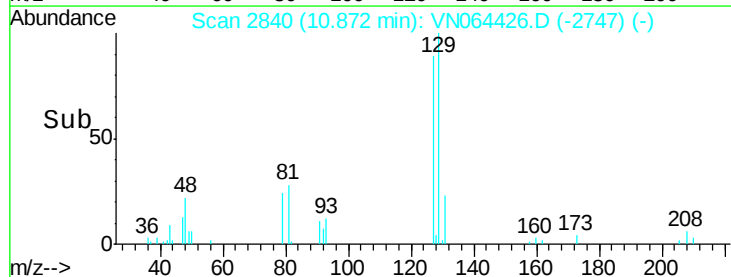
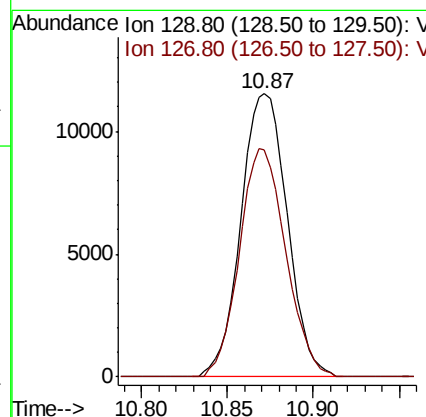
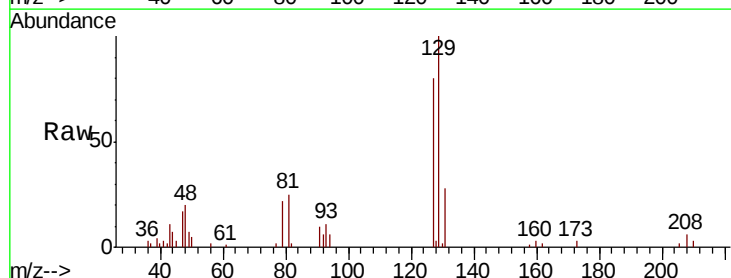
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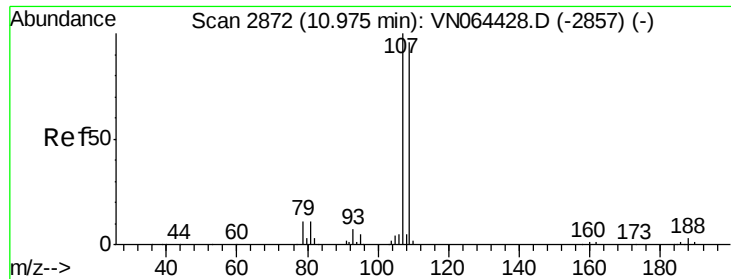
MMDadoda
11/5/2020 10:59:34 AM



#60
Dibromochloromethane
Concen: 4.178 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion: 129 Resp: 21585
Ion Ratio Lower Upper
129 100
127 80.4 38.9 116.7





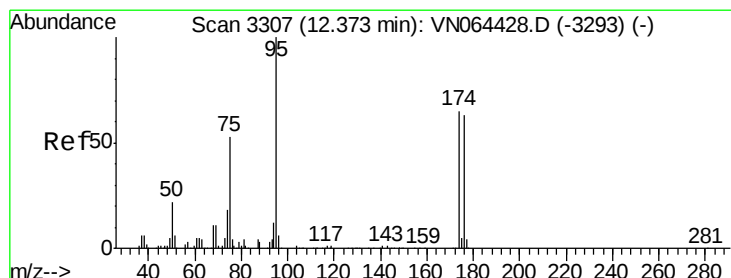
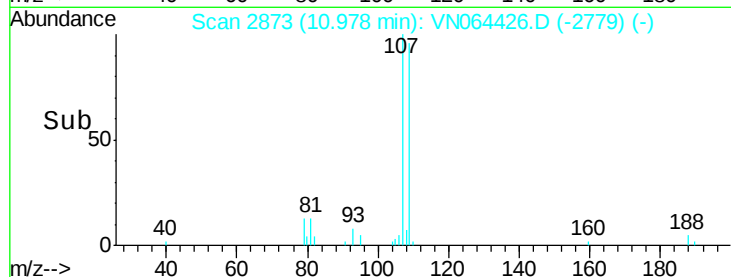
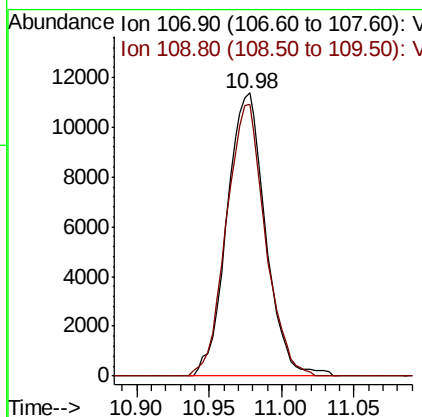
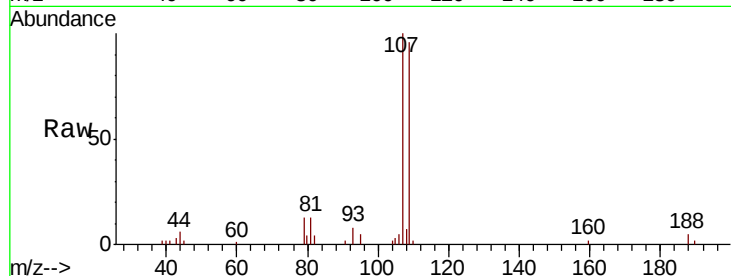
#61
 1,2-Dibromoethane
 Concen: 4.676 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 21009
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.9 113.9

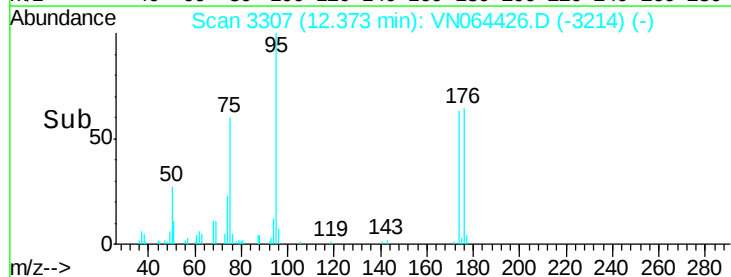
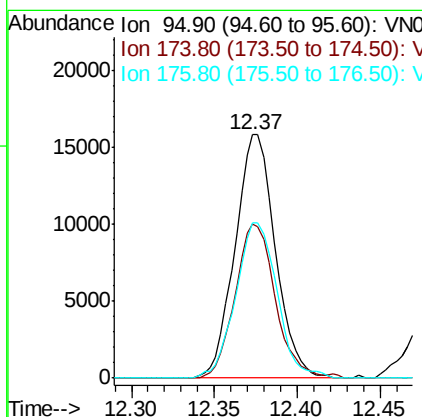
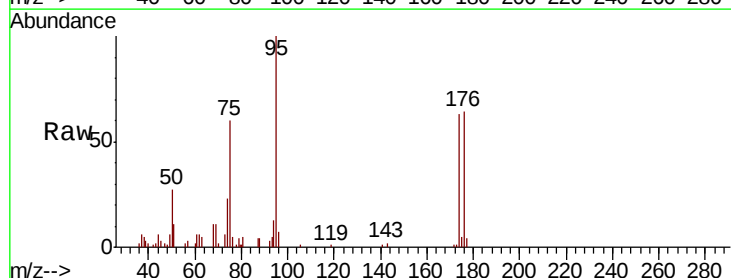
Manual Integrations
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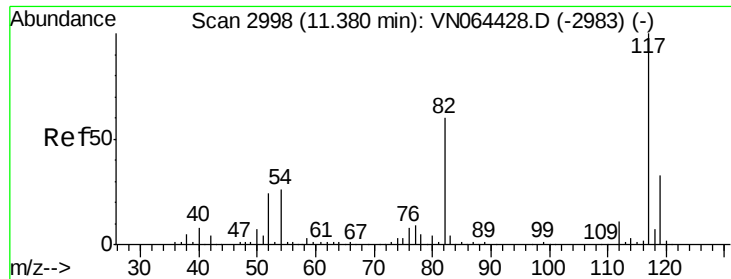
MMDadoda
 11/5/2020 10:59:34 AM



#62
 4-Bromofluorobenzene
 Concen: 4.432 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion: 95 Resp: 26697
 Ion Ratio Lower Upper
 95 100
 174 63.4 0.0 132.6
 176 65.8 0.0 129.2





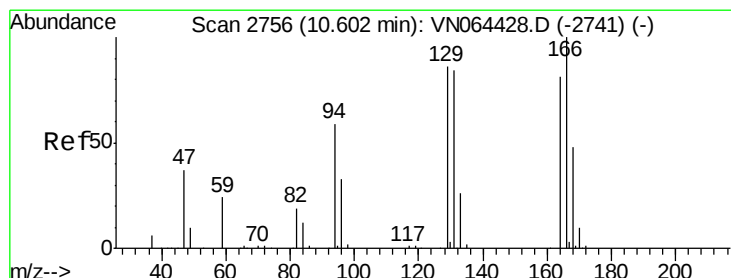
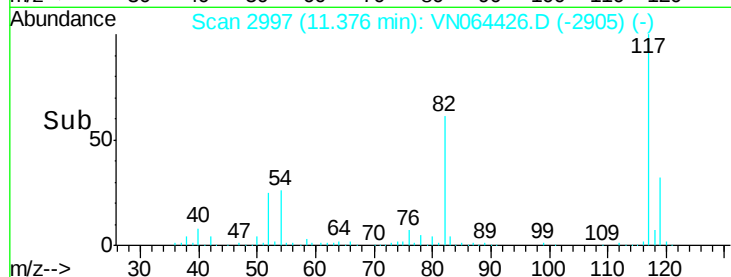
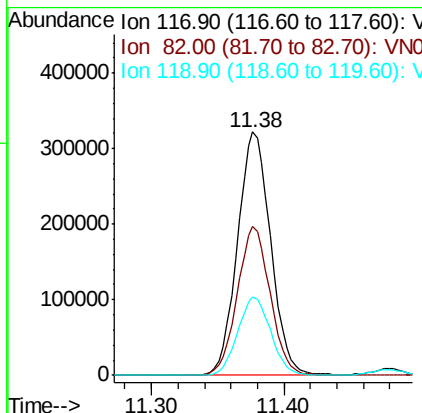
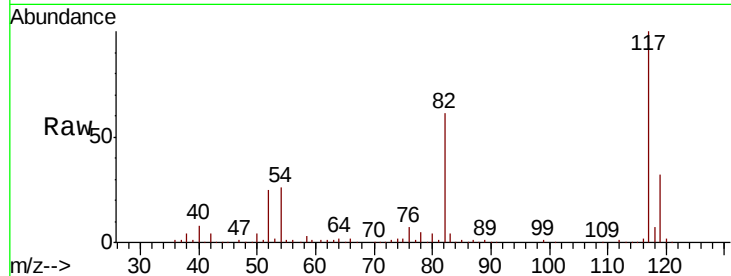
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.1	72.1
119	32.1	26.2	39.4

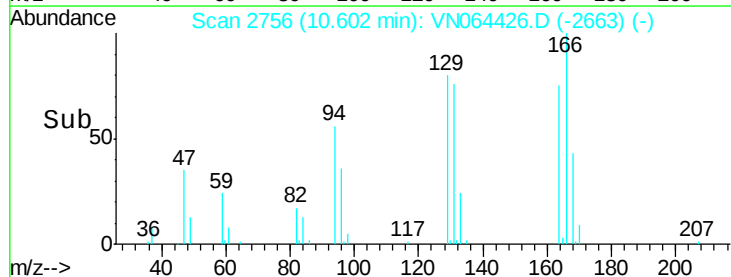
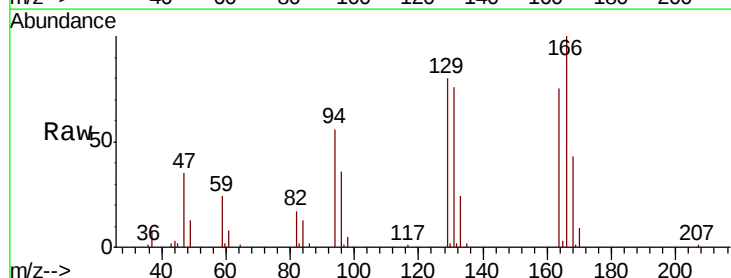
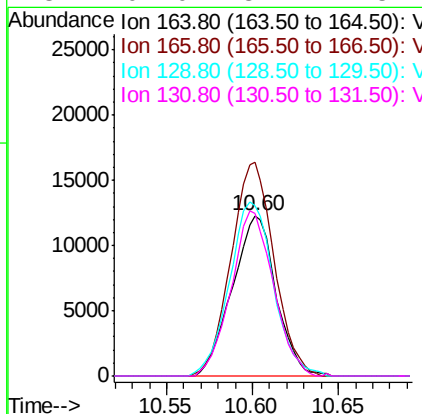
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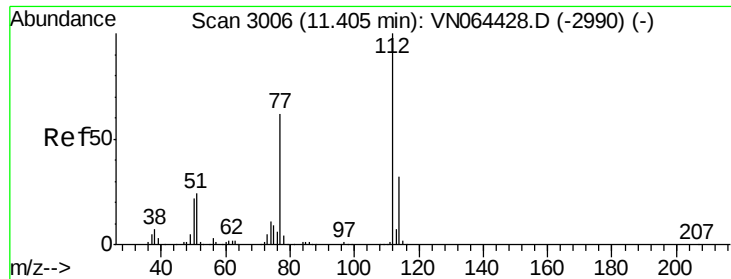
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11/5/2020 10:59:34 AM



#64
Tetrachloroethene
Concen: 4.715 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	98.2	147.2
129	106.4	84.6	127.0
131	101.0	82.2	123.2





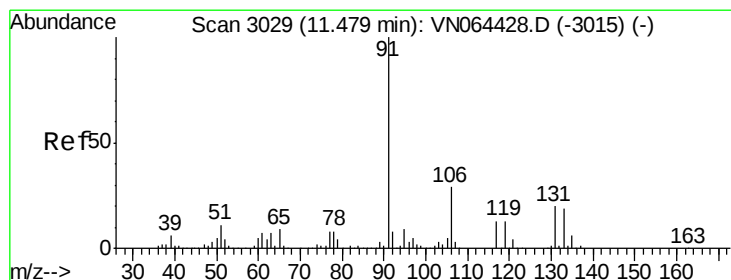
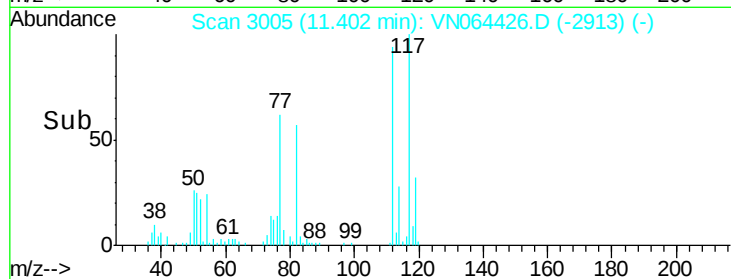
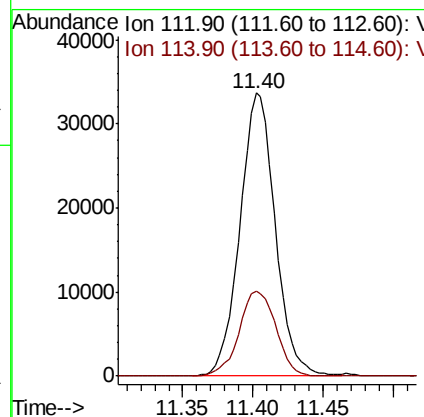
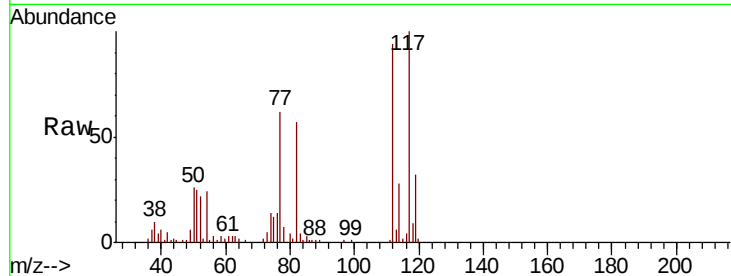
#65
Chlorobenzene
Concen: 5.088 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.6	38.4

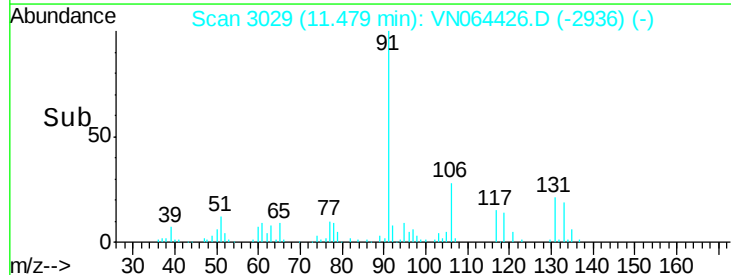
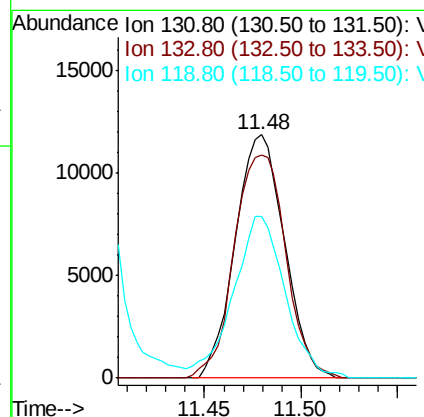
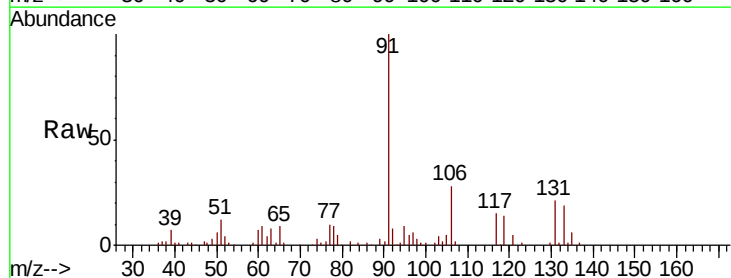
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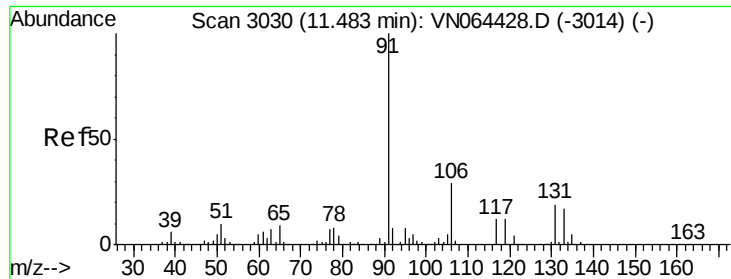
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.532 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	46.9	140.7
119	70.4	32.1	96.5





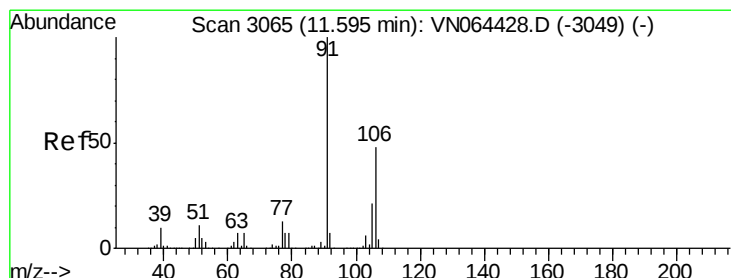
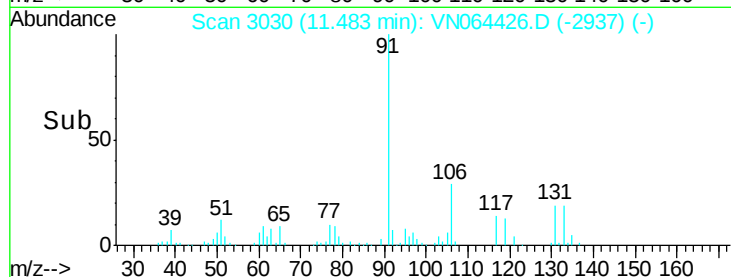
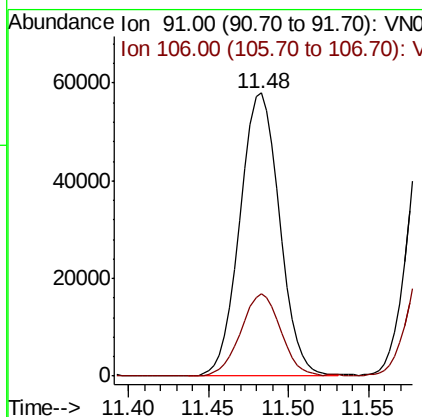
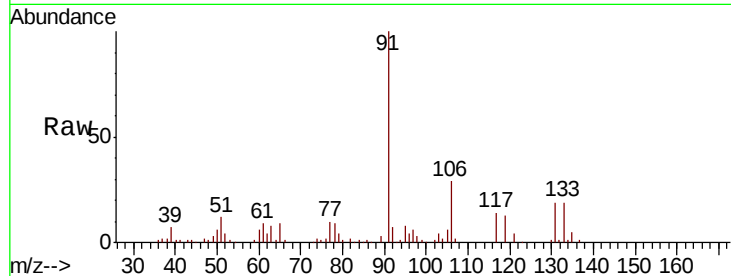
#67
Ethyl Benzene
Concen: 4.566 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 98203
Ion Ratio Lower Upper
91 100
106 28.9 23.6 35.4

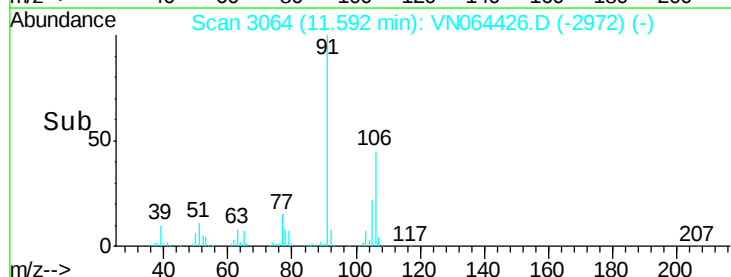
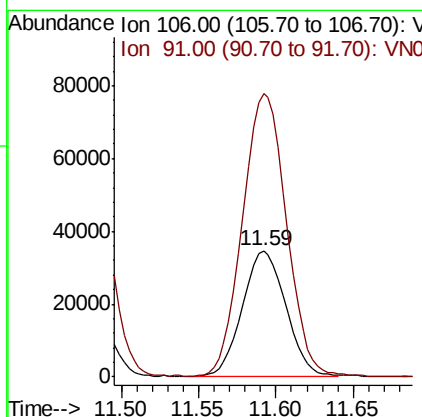
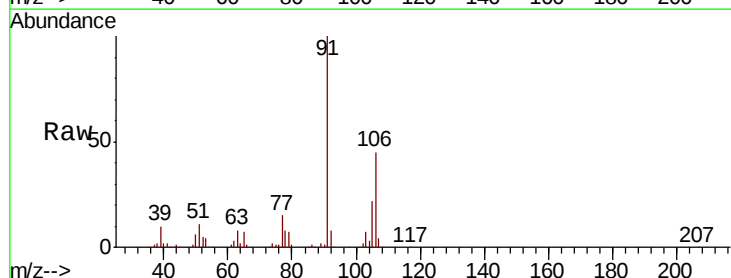
Manual Integrations
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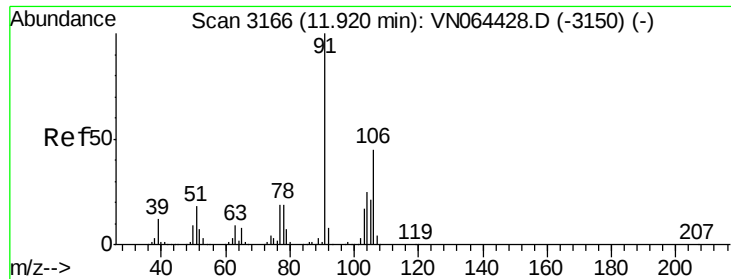
MMDadoda
11/5/2020 10:59:34 AM



#68
m/p-Xylenes
Concen: 8.558 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion: 106 Resp: 68099
Ion Ratio Lower Upper
106 100
91 226.9 169.4 254.2





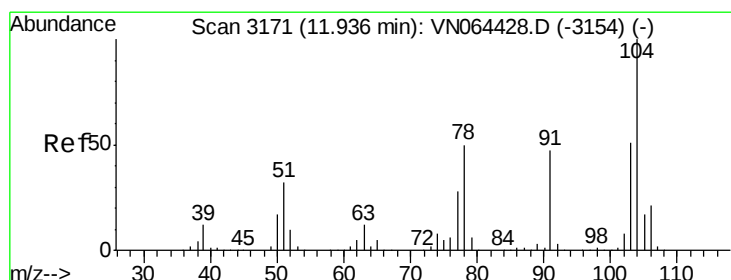
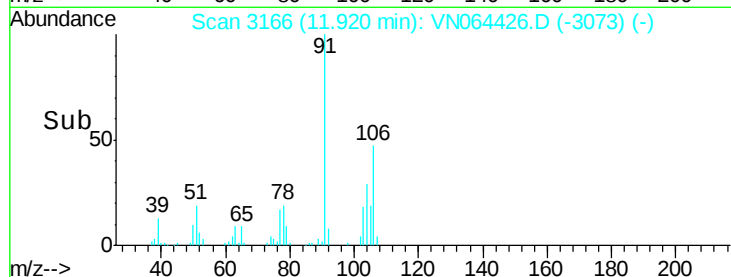
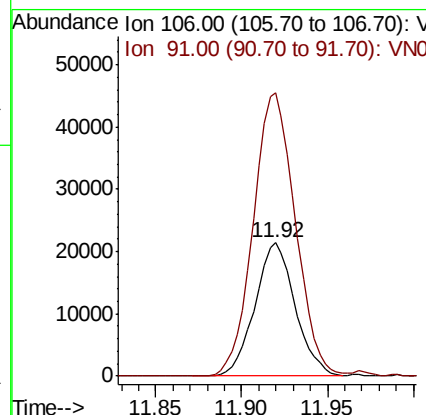
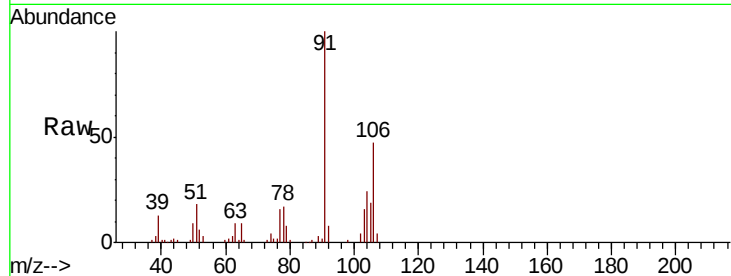
#69
o-Xylene
Concen: 4.531 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 34773
Ion Ratio Lower Upper
106 100
91 221.9 111.7 334.9

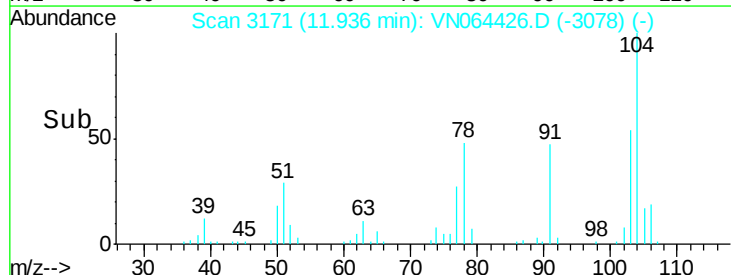
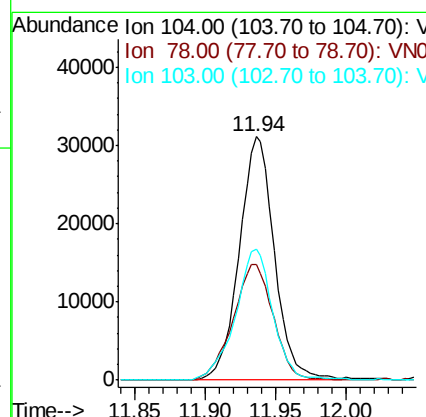
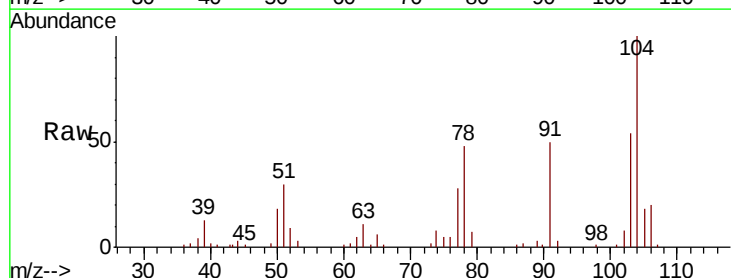
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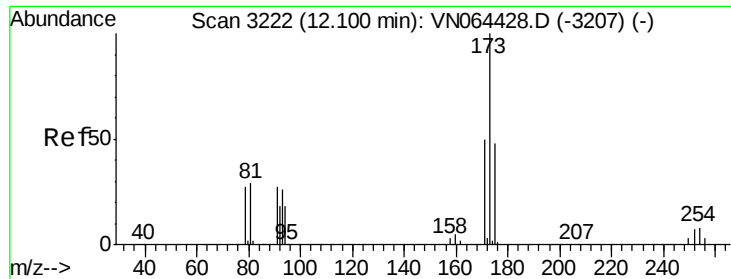
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#70
Styrene
Concen: 4.328 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion:104 Resp: 54443
Ion Ratio Lower Upper
104 100
78 54.2 44.0 66.0
103 57.2 43.8 65.6





#71

Bromoform

Concen: 3.480 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 12392

Ion Ratio Lower Upper

173 100

175 51.0 23.7 71.1

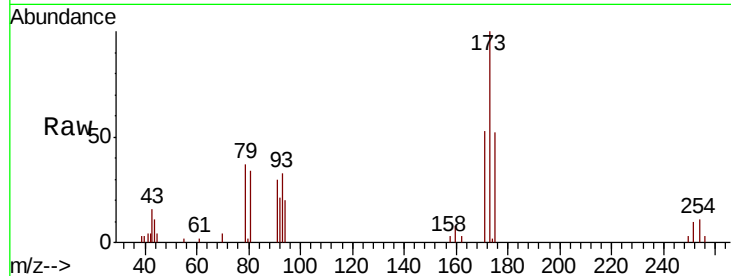
254 0.0 0.0 0.0

Manual Integrations

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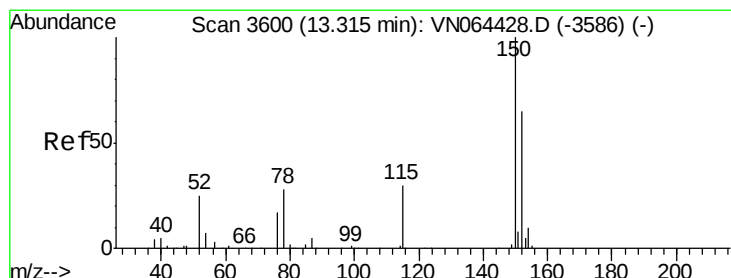
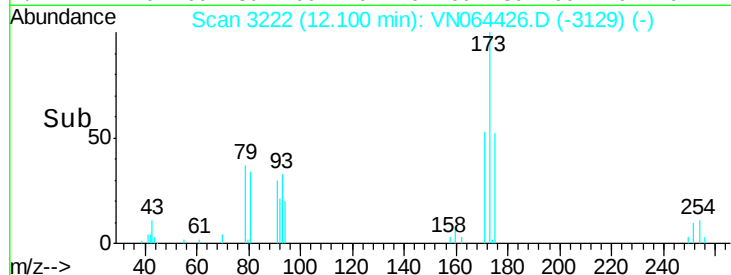
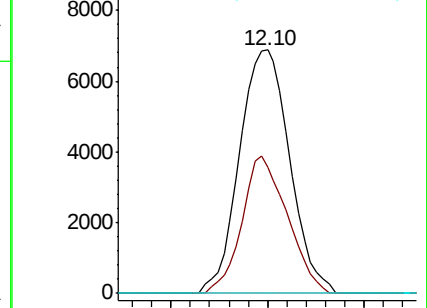
11/5/2020 10:59:34 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

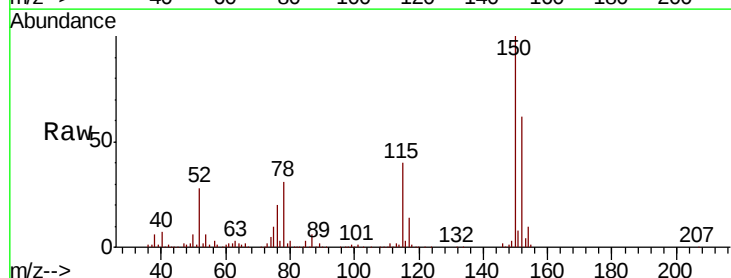
Tgt Ion:152 Resp: 222598

Ion Ratio Lower Upper

152 100

115 65.7 32.0 96.0

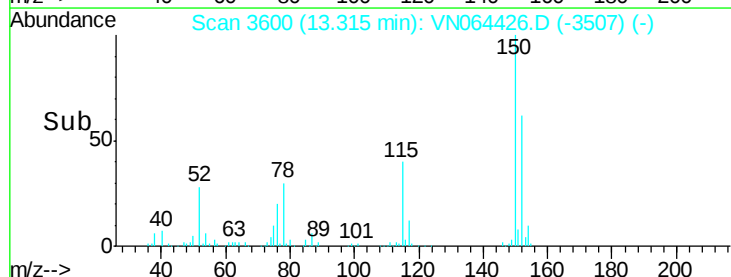
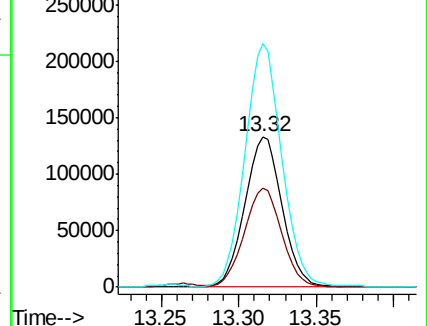
150 159.9 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





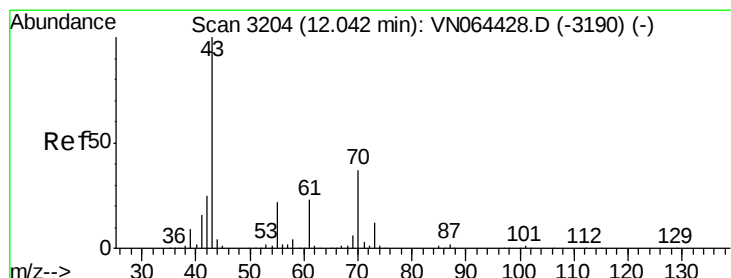
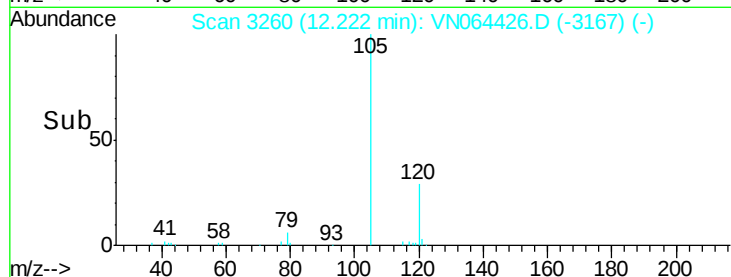
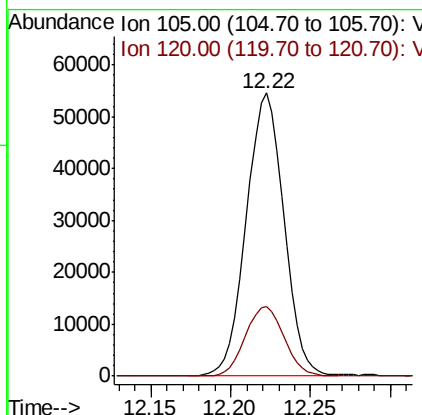
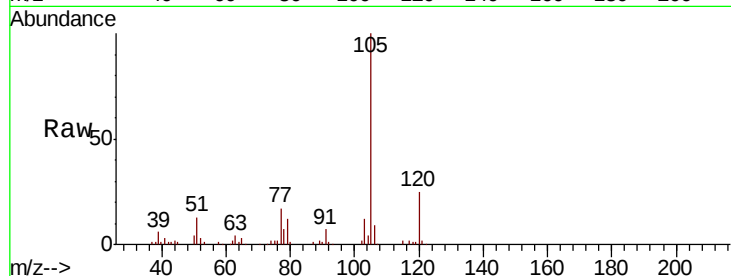
#73
Isopropylbenzene
Concen: 5.159 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.3

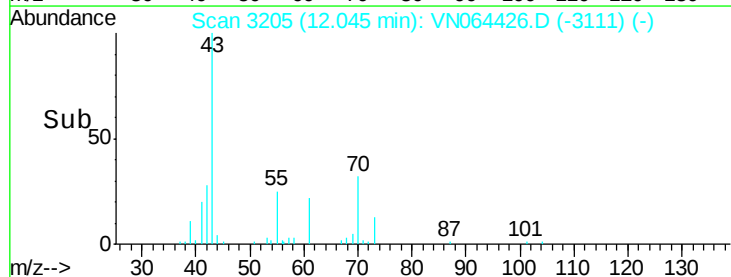
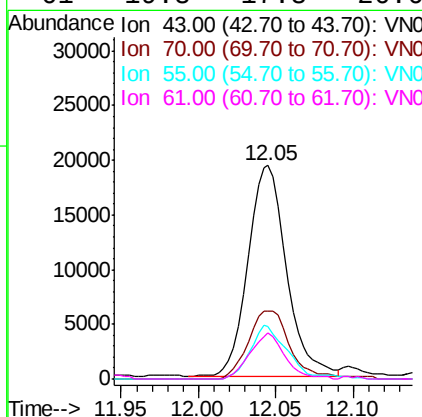
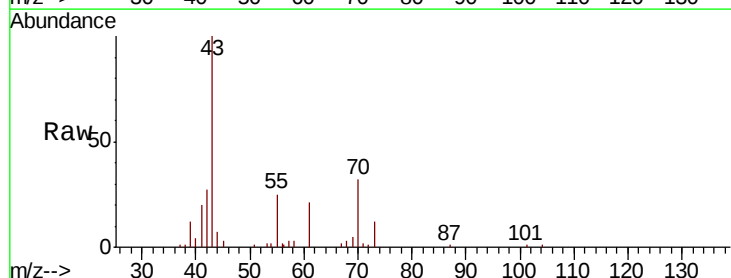
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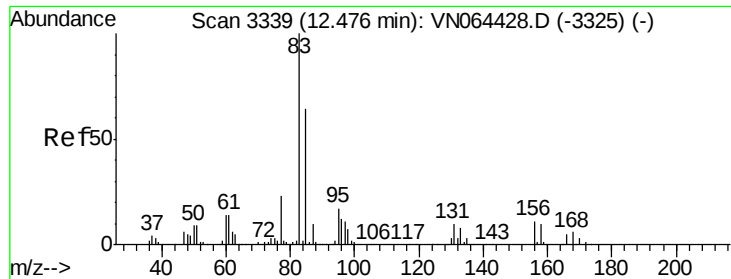
MMDadoda
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#74
N-ethyl acetate
Concen: 4.469 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.9	29.6	44.4
55	23.7	18.4	27.6
61	19.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.151 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

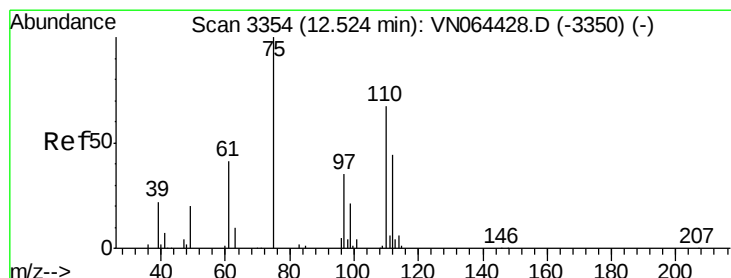
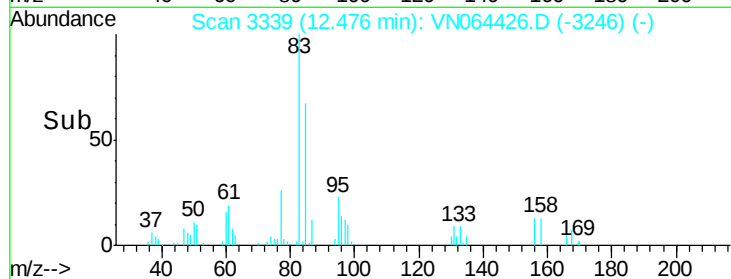
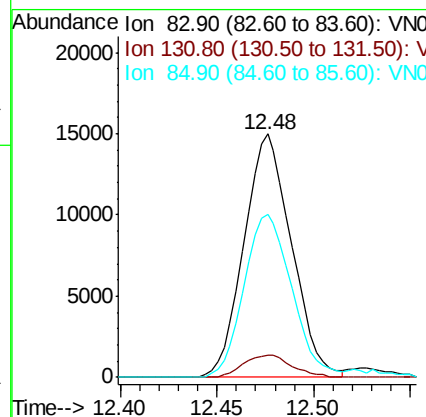
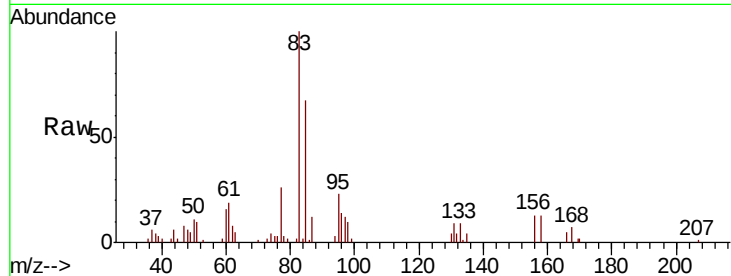
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	25624
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	67.2	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 4.879 ug/l m

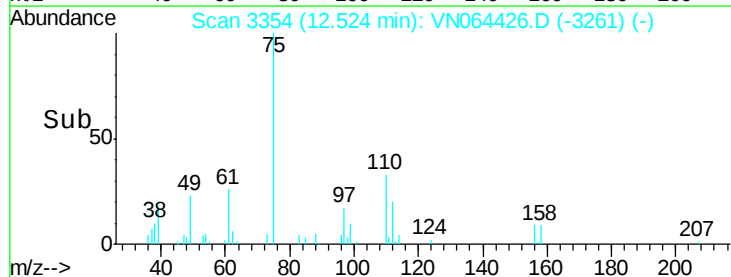
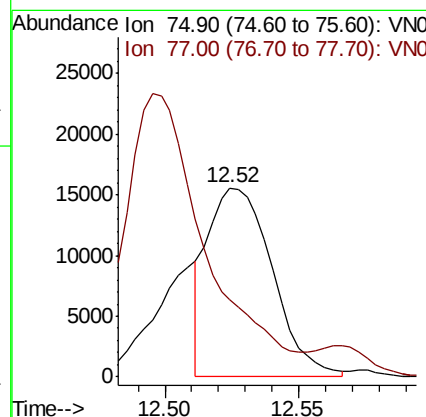
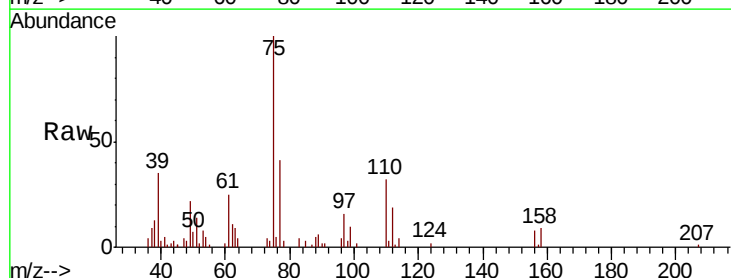
RT: 12.52 min Scan# 3354

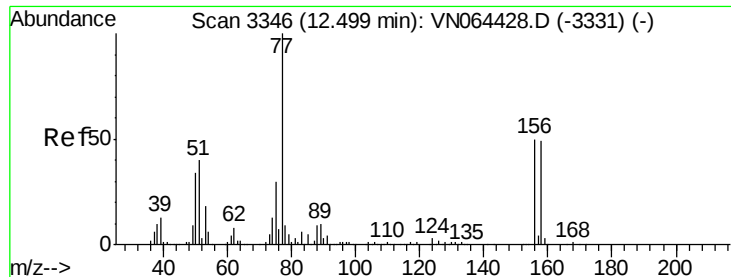
Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	75	Resp:	26036
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.192 ug/l

RT: 12.50 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 21469

Ion Ratio Lower Upper

156 100

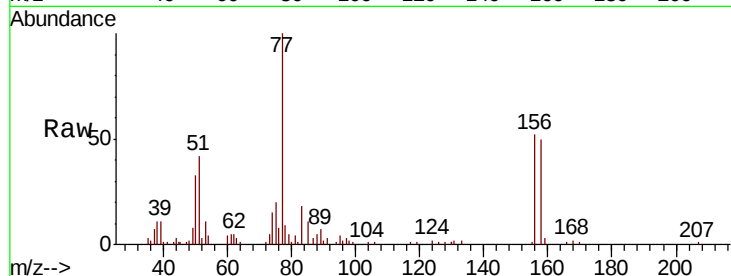
77 231.7 119.0 357.0

158 99.7 48.4 145.3

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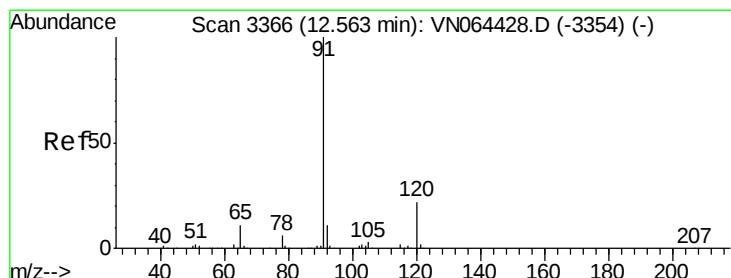
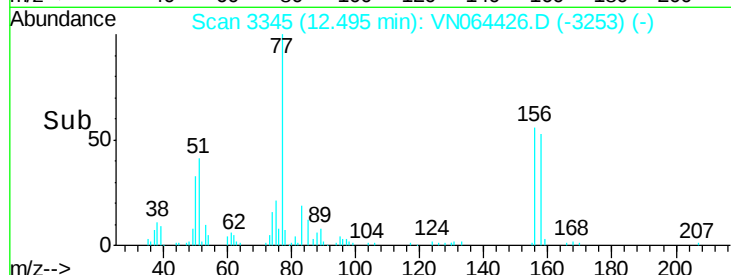
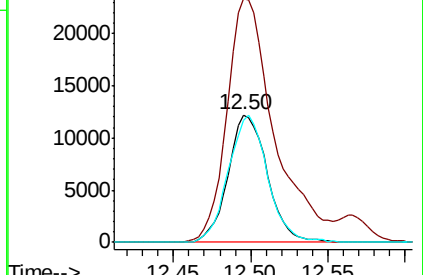
11/5/2020 10:59:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.964 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064426.D

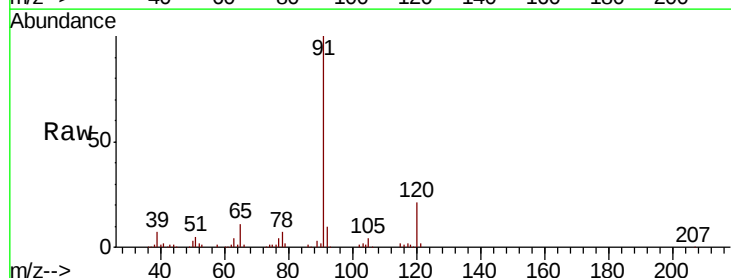
Acq: 4 Nov 2020 10:12

Tgt Ion: 91 Resp: 95717

Ion Ratio Lower Upper

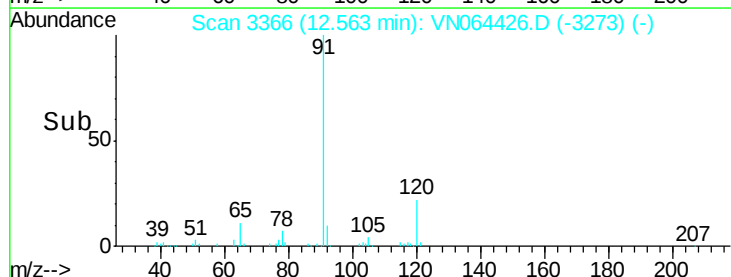
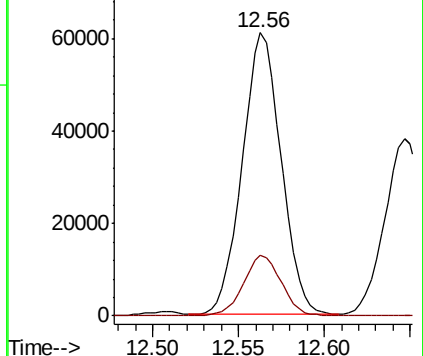
91 100

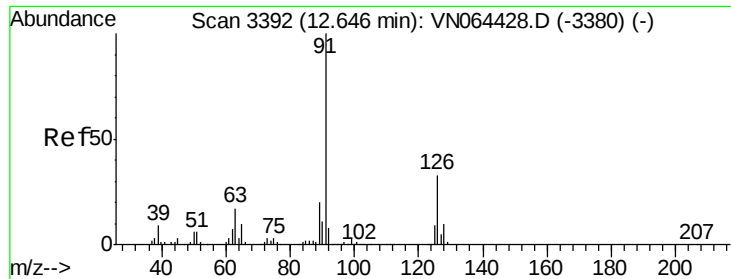
120 20.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





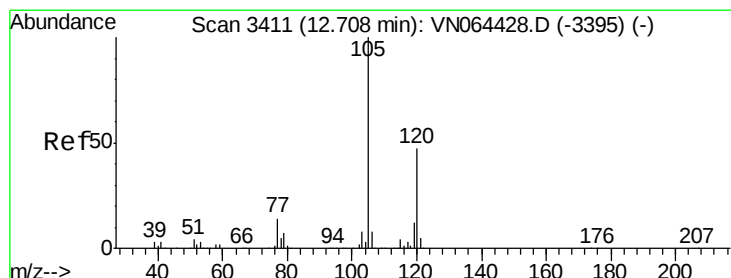
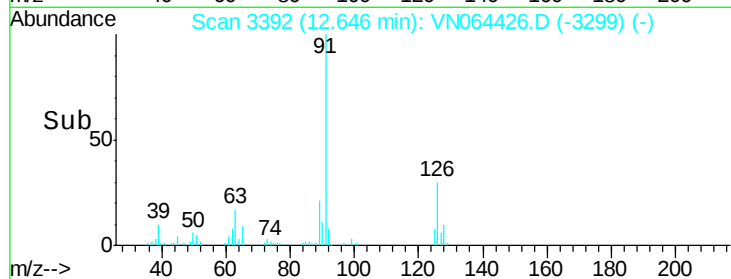
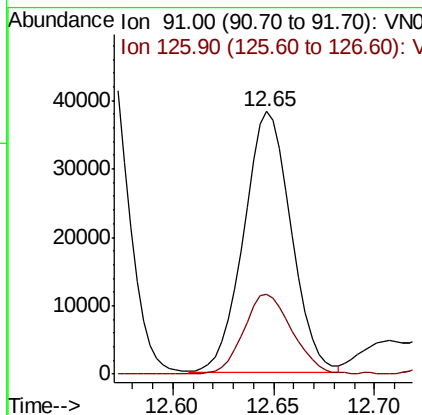
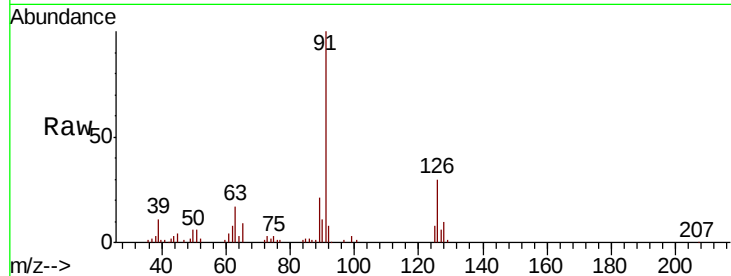
#79
 2-Chlorotoluene
 Concen: 5.119 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.4	49.1

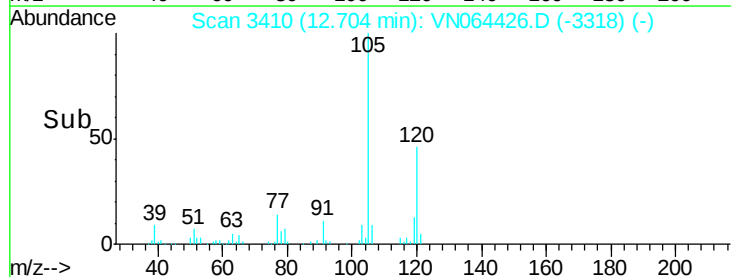
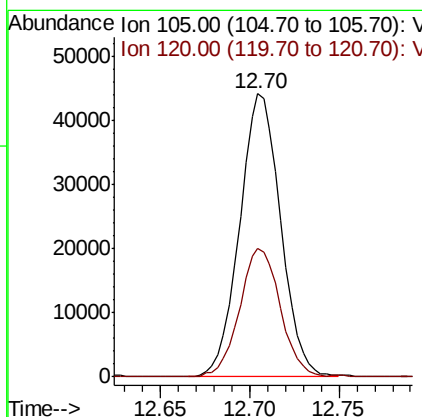
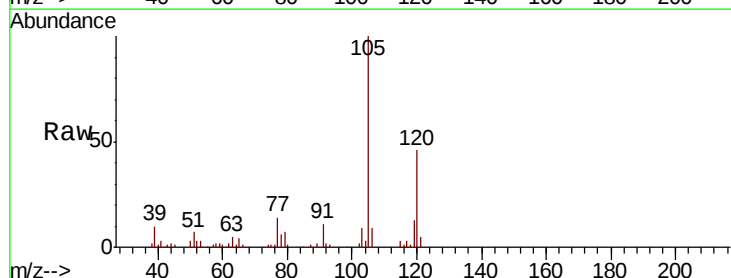
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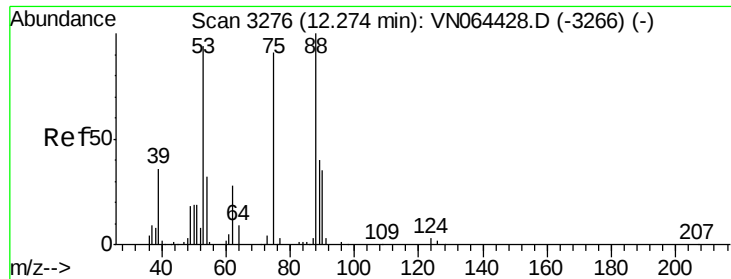
MMDadoda
 11/5/2020 10:59:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.914 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.379 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

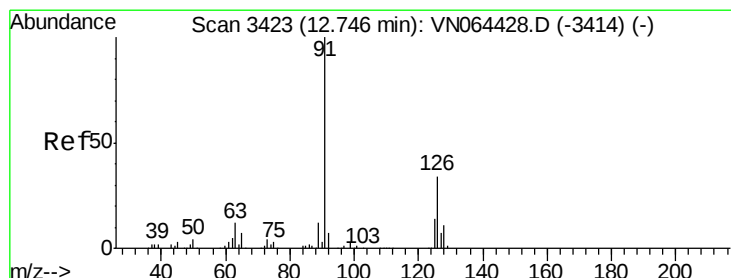
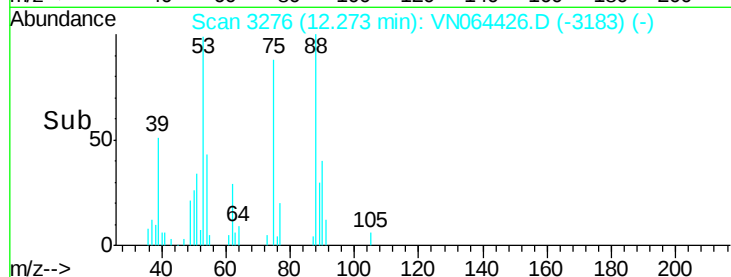
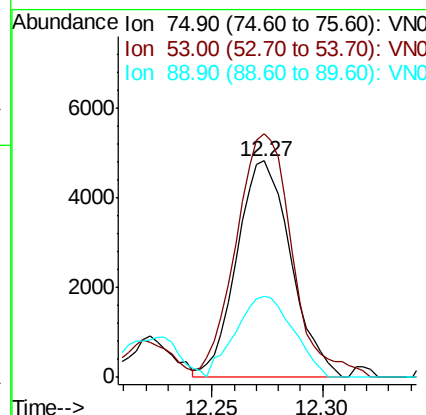
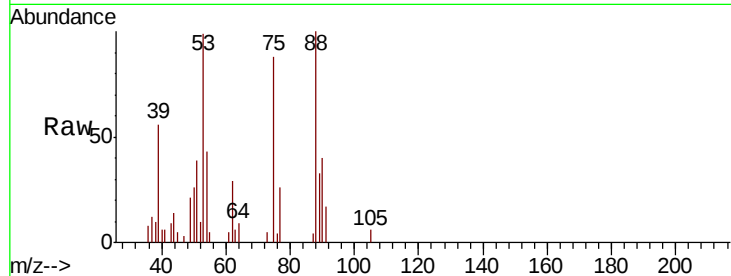
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	8216
Ion	Ratio	Lower	Upper
75	100		
53	116.8	84.0	126.0
89	39.6	36.3	54.5

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#82

4-Chlorotoluene

Concen: 5.034 ug/l

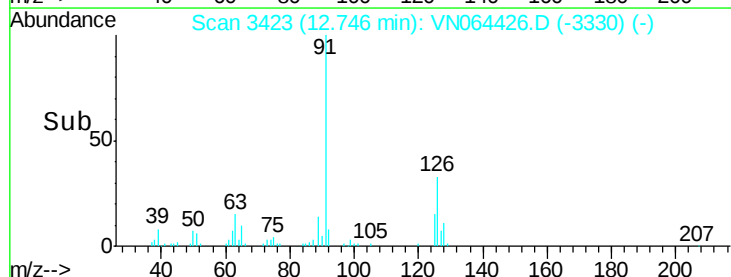
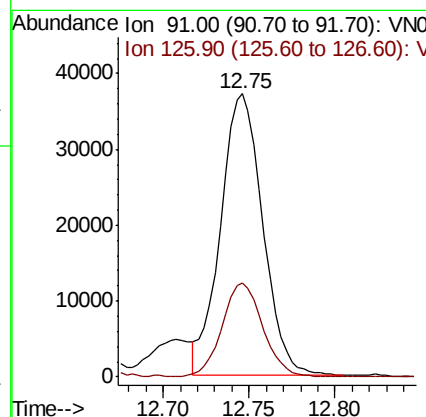
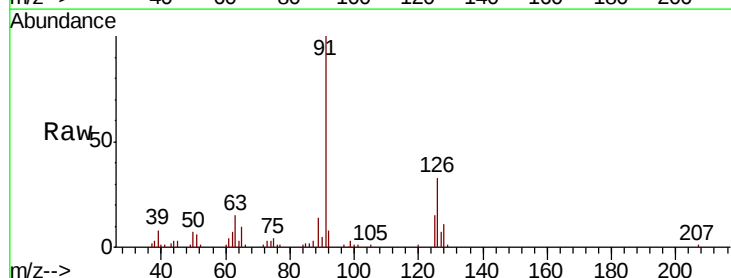
RT: 12.75 min Scan# 3423

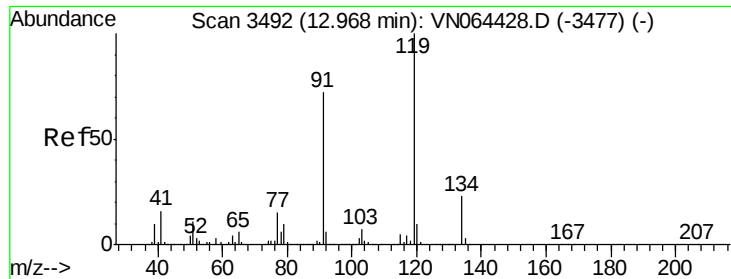
Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	91	Resp:	63368
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.4	46.2





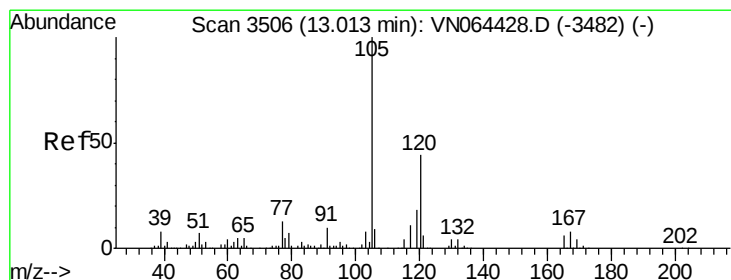
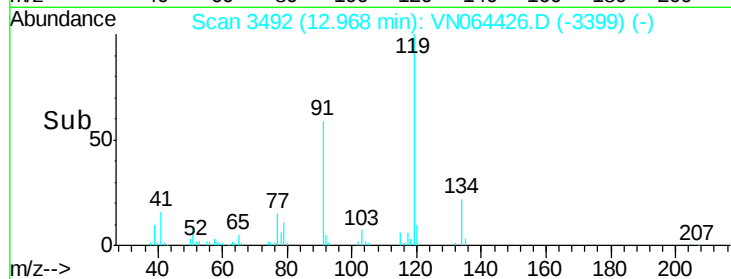
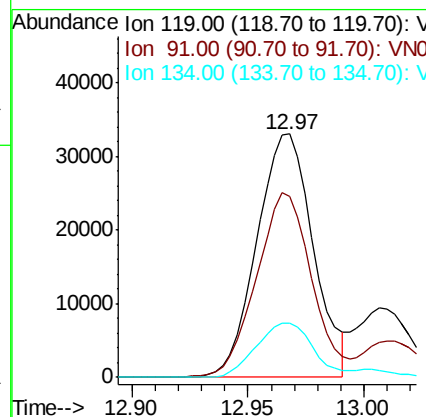
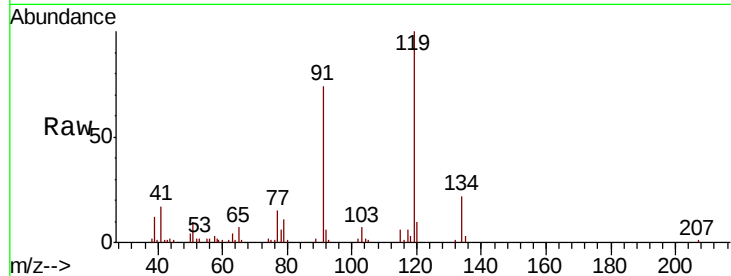
#83
tert-Butylbenzene
Concen: 4.799 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.4	36.1	108.3
134	22.7	11.7	35.1

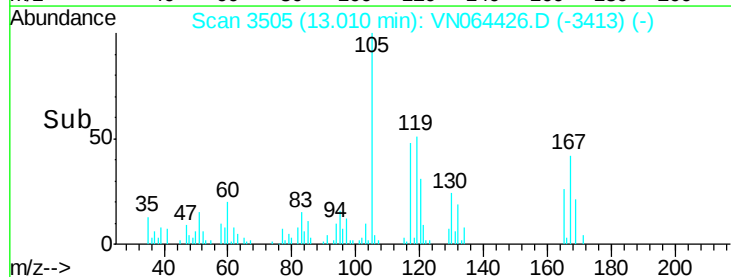
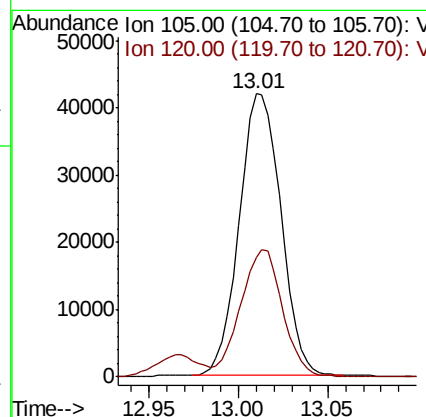
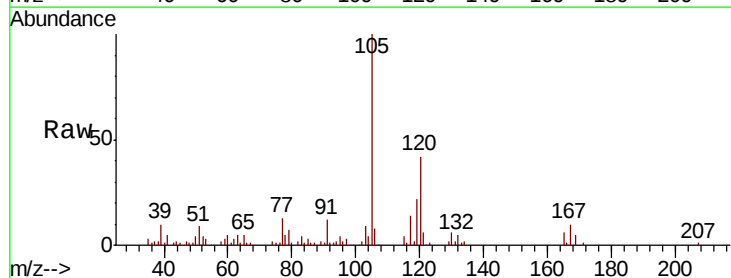
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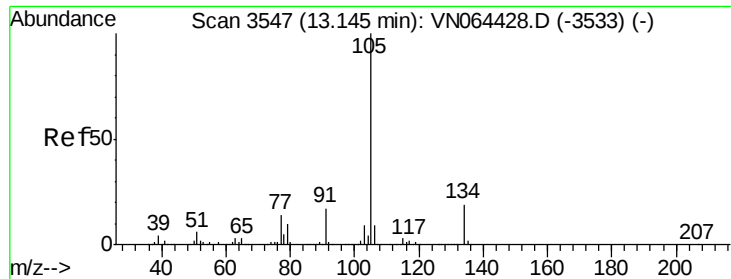
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#84
1,2,4-Trimethylbenzene
Concen: 4.739 ug/l
RT: 13.01 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 4.646 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 70353

Ion Ratio Lower Upper

105 100

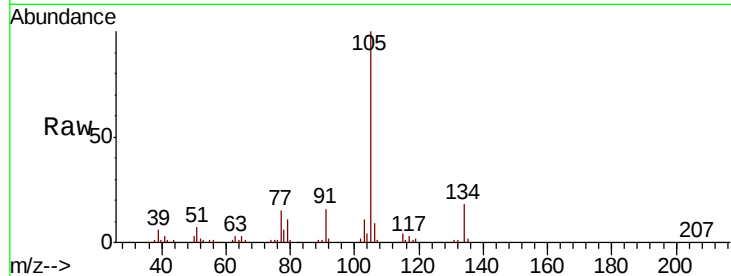
134 18.2 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

40000

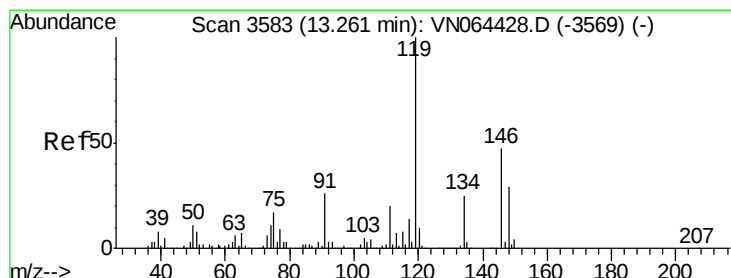
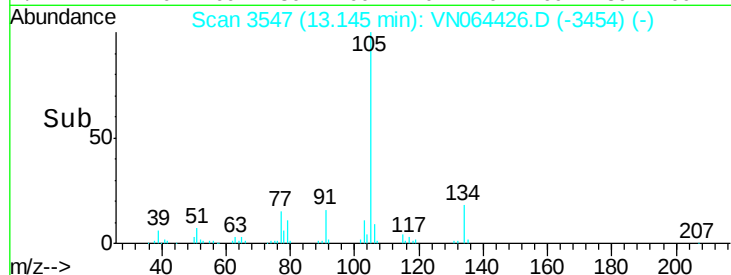
30000

20000

10000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 4.474 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

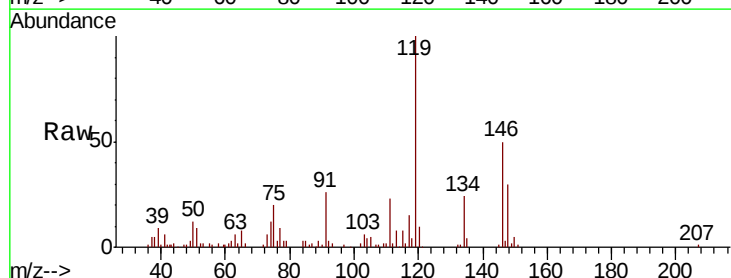
Tgt Ion:119 Resp: 60865

Ion Ratio Lower Upper

119 100

134 23.7 12.6 37.6

91 25.7 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

40000

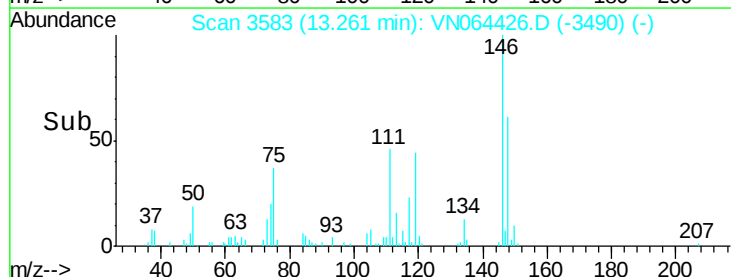
30000

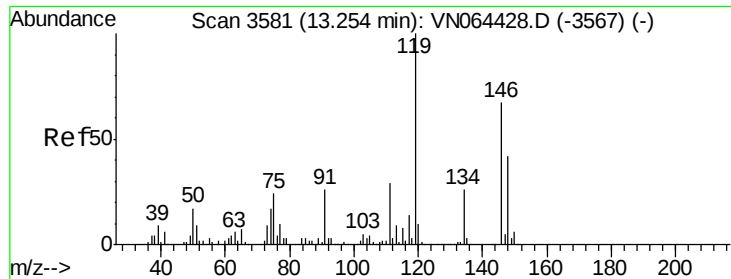
20000

10000

0

Time--> 13.20 13.25 13.30





#87

1,3-Dichlorobenzene

Concen: 4.957 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Instrument :

MSVOA_N

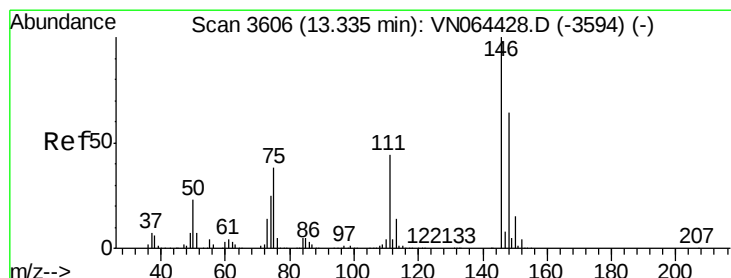
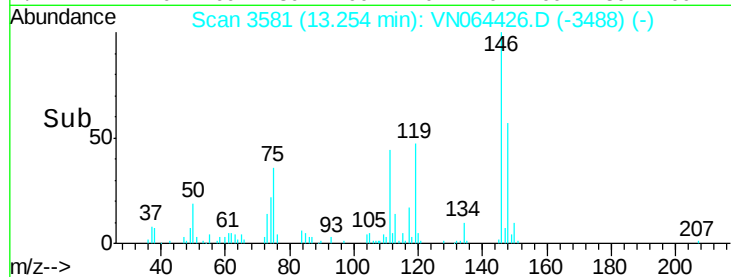
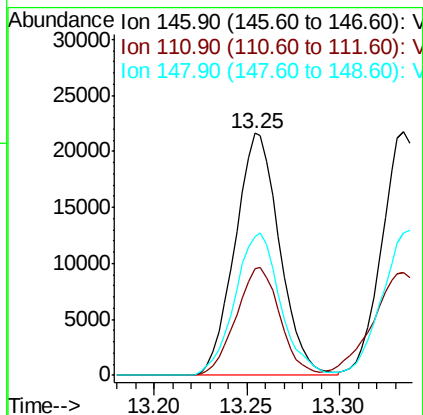
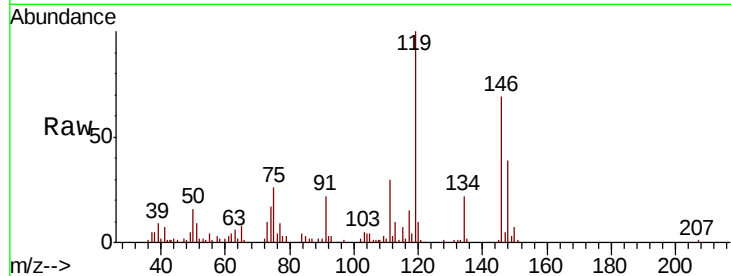
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	36023
Ion Ratio	Lower	Upper	
146	100		
111	43.7	22.1	66.1
148	59.9	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 5.003 ug/l

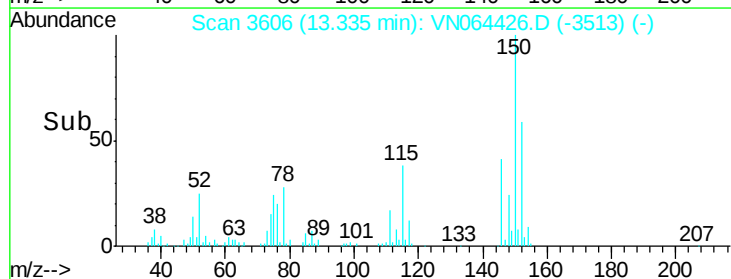
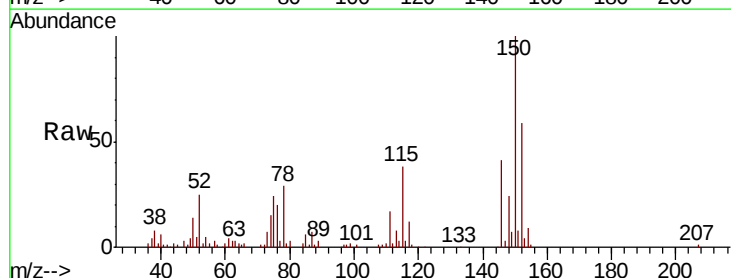
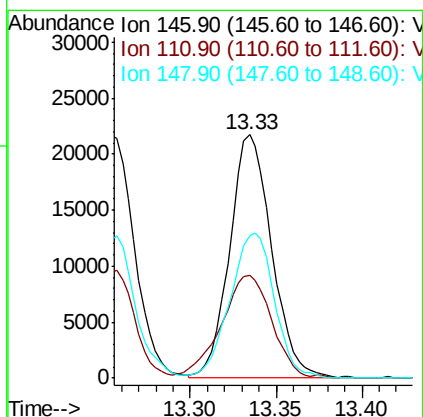
RT: 13.33 min Scan# 3606

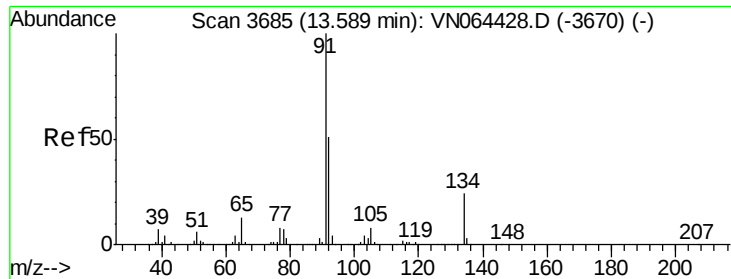
Delta R.T. -0.00 min

Lab File: VN064426.D

Acq: 4 Nov 2020 10:12

Tgt Ion:	146	Resp:	37035
Ion Ratio	Lower	Upper	
146	100		
111	51.4	21.8	65.3
148	63.1	32.4	97.2





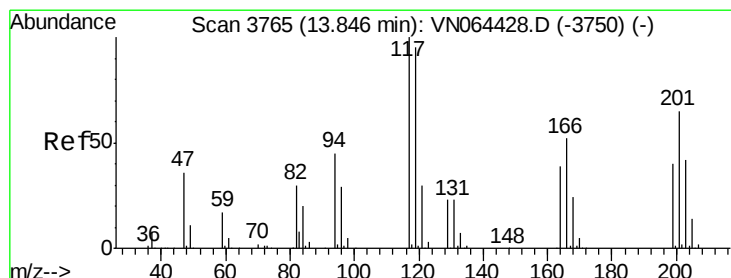
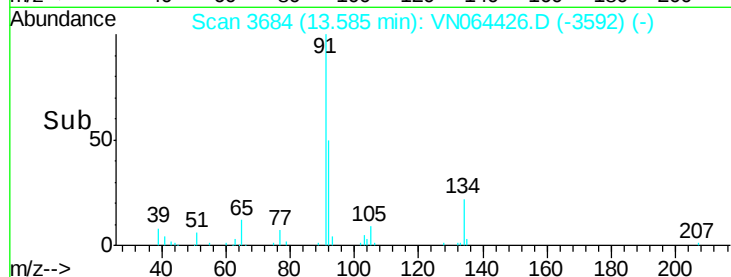
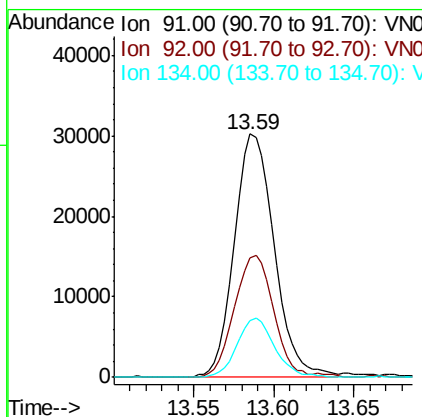
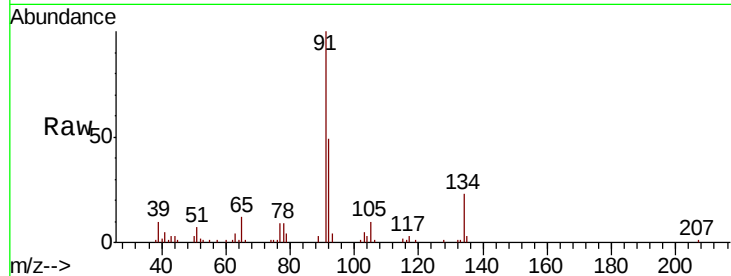
#89
n-Butylbenzene
Concen: 4.295 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.8	25.3	75.9
134	22.8	11.8	35.4

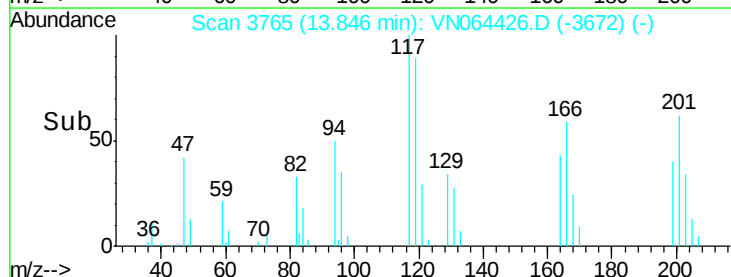
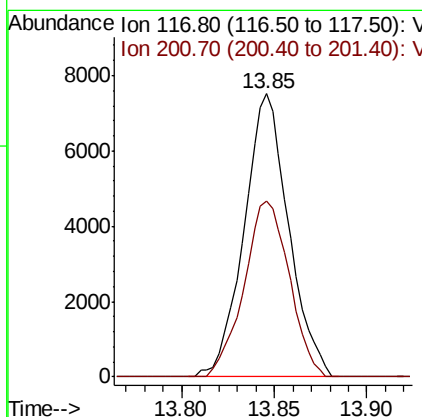
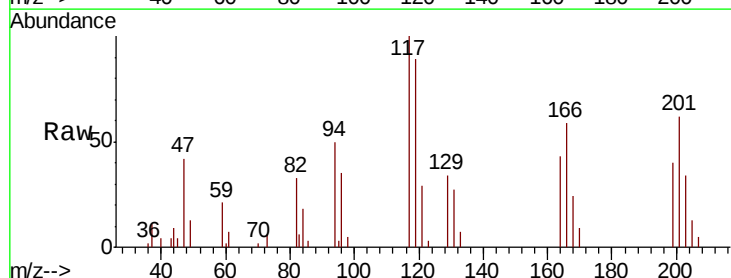
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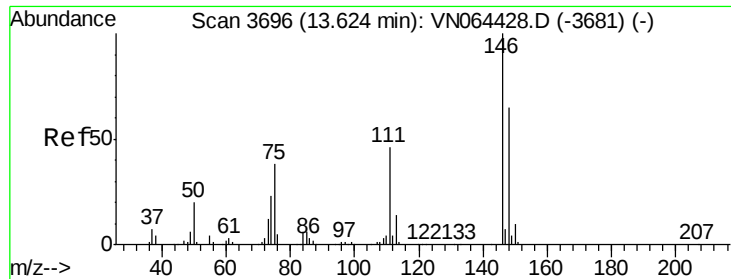
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#90
Hexachloroethane
Concen: 4.939 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.9	32.5	97.5





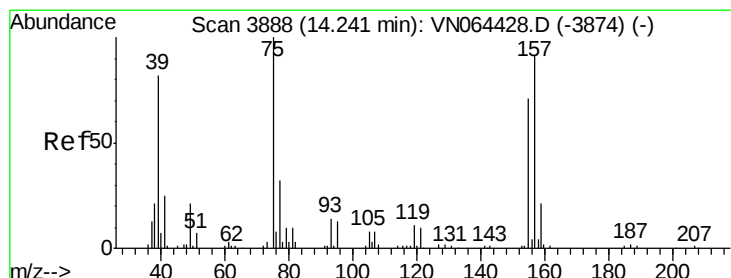
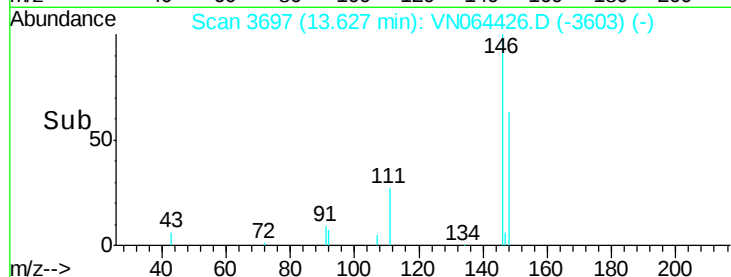
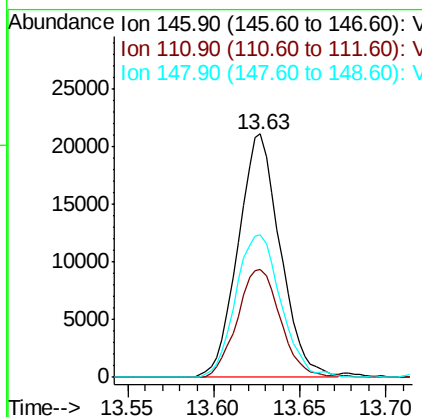
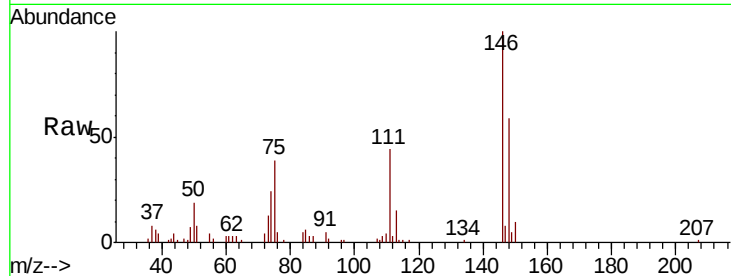
#91
 1,2-Dichlorobenzene
 Concen: 4.974 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.7
148	62.9	32.0	96.2

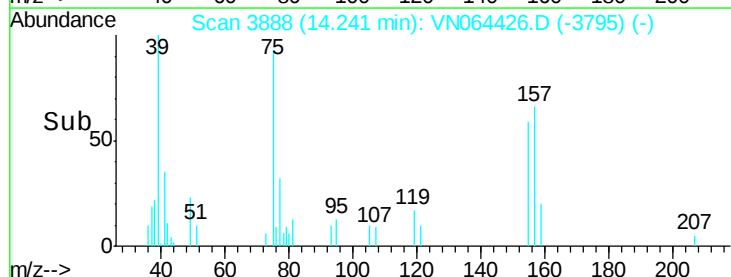
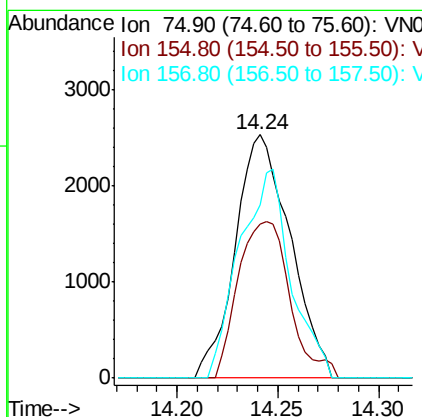
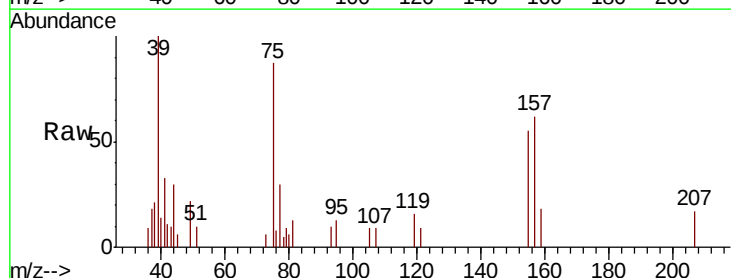
Manual Integrations
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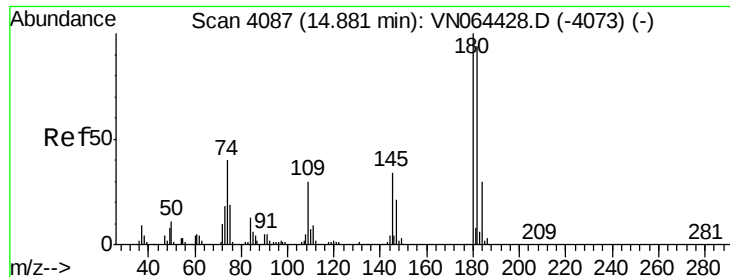
MMDadoda
 11/5/2020 10:59:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.035 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.9	34.6	103.9
157	80.1	43.0	128.8





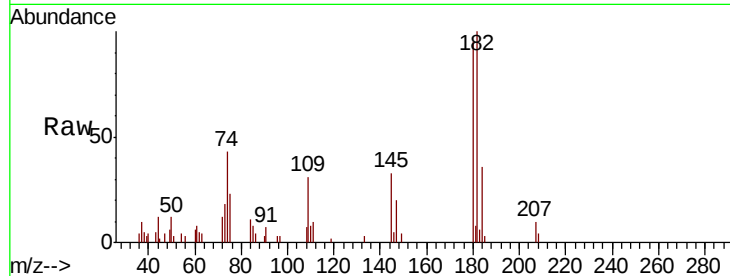
#93
 1,2,4-Trichlorobenzene
 Concen: 2.954 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.0	47.3	142.0
145	35.0	16.7	50.1

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 10:59:34 AM

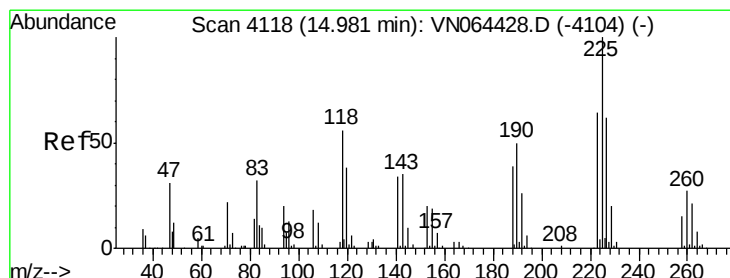
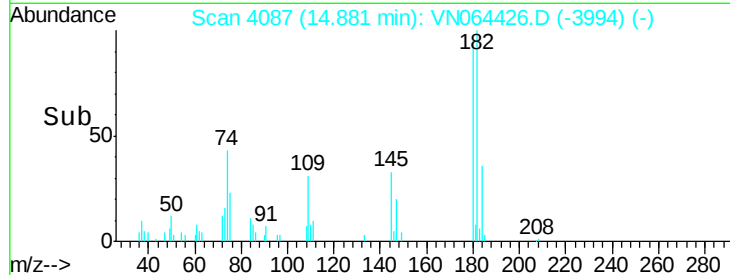
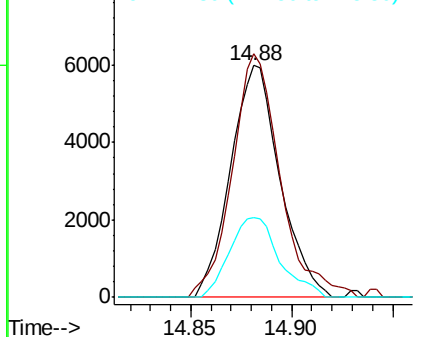


Abundance

Ion 179.80 (179.50 to 180.50): V

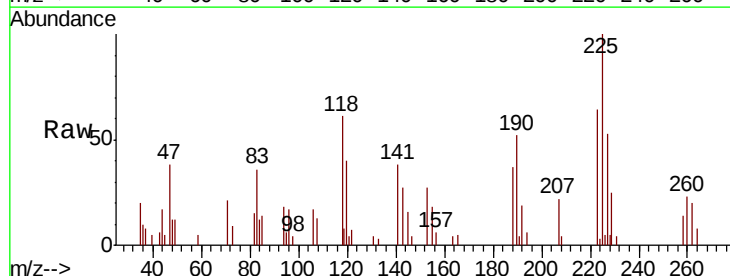
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 3.350 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064426.D
 Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.9	31.8	95.4
227	62.0	31.8	95.4

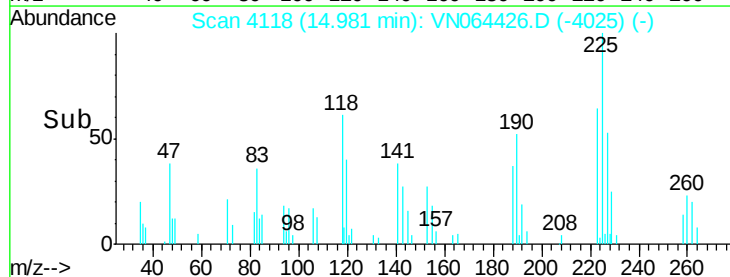
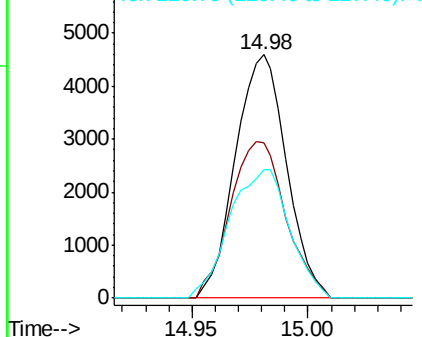


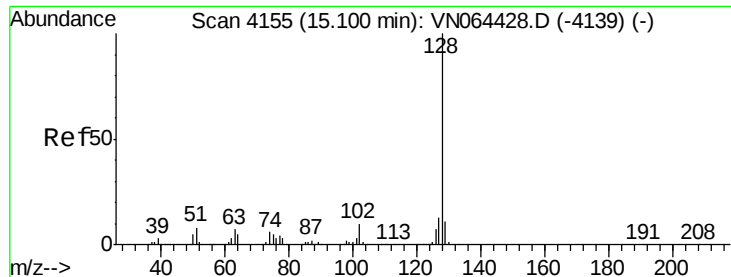
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





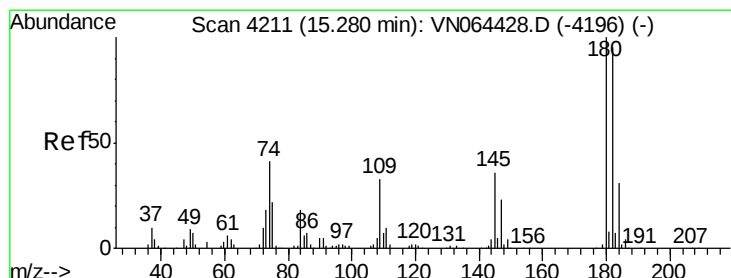
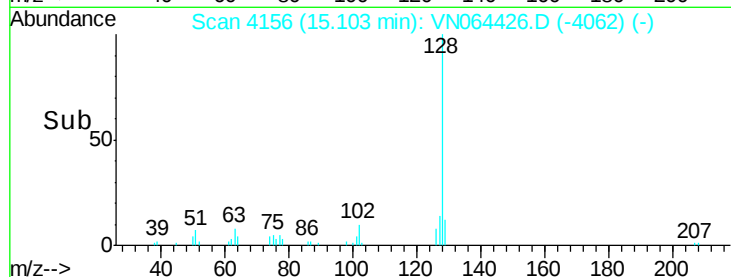
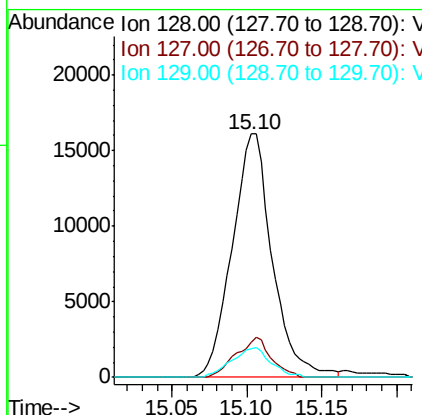
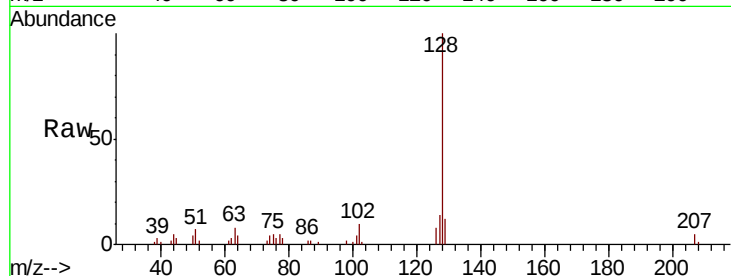
#95
Naphthalene
Concen: 2.772 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 10:59:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 3.340 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064426.D
Acq: 4 Nov 2020 10:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.7	143.1
145	34.5	18.3	54.8

