

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055831.D
 Acq On : 25 May 2019 6:44
 Operator : JC/SP
 Sample : VN0524WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:59 AM

Quant Time: May 26 23:28:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	347772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	179579	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	162895	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	608164	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	202306	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	43434	18.557	ug/l	100
3) Chloromethane	2.06	50	63033	19.221	ug/l	99
4) Vinyl Chloride	2.19	62	69289	19.810	ug/l	96
5) Bromomethane	2.54	94	49480	22.612	ug/l	100
6) Chloroethane	2.69	64	41870	19.883	ug/l	94
7) Trichlorofluoromethane	3.01	101	89587	19.537	ug/l	99
8) Diethyl Ether	3.40	74	40152	19.536	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55541	19.403	ug/l	98
10) Methyl Iodide	3.94	142	82115	19.621	ug/l	99
11) Tert butyl alcohol	4.81	59	69462	101.224	ug/l	98
12) 1,1-Dichloroethene	3.72	96	57427	19.416	ug/l	95
13) Acrolein	3.60	56	36049	73.366	ug/l	96
14) Allyl chloride	4.31	41	89283	17.609	ug/l	100
15) Acrylonitrile	4.99	53	154244	97.887	ug/l	99
16) Acetone	3.82	43	125698	79.619	ug/l	98
17) Carbon Disulfide	4.04	76	149570	17.799	ug/l	98
18) Methyl Acetate	4.33	43	68694	20.661	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	192082	19.472	ug/l	100
20) Methylene Chloride	4.55	84	67541	19.754	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	62374	19.630	ug/l	98
22) Diisopropyl ether	5.95	45	190684	19.336	ug/l	95
23) Vinyl Acetate	5.90	43	783863	92.707	ug/l	100
24) 1,1-Dichloroethane	5.84	63	110175	19.188	ug/l	99
25) 2-Butanone	6.84	43	197335	89.500	ug/l	99
26) 2,2-Dichloropropane	6.82	77	53556	10.777	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	79433	21.427	ug/l	94
28) Bromochloromethane	7.19	49	56296	20.593	ug/l	97
29) Tetrahydrofuran	7.22	42	134609	96.406	ug/l	99
30) Chloroform	7.37	83	113455	19.813	ug/l	100
31) Cyclohexane	7.65	56	102872	19.083	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	97836	19.147	ug/l	100
36) 1,1-Dichloropropene	7.79	75	84599	19.148	ug/l	99
37) Ethyl Acetate	6.93	43	81582	19.105	ug/l	99
38) Carbon Tetrachloride	7.77	117	87061	18.917	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102715	18.774	ug/l	98
40) Benzene	8.04	78	260047	19.529	ug/l	99
41) Methacrylonitrile	7.18	41	37962	17.597	ug/l	97
42) 1,2-Dichloroethane	8.12	62	86022	19.770	ug/l	100
43) Isopropyl Acetate	8.17	43	133882	18.660	ug/l #	90
44) Trichloroethene	8.83	130	75327	20.292	ug/l	100
45) 1,2-Dichloropropane	9.12	63	67851	19.558	ug/l	97
46) Dibromomethane	9.21	93	45666	20.071	ug/l	98
47) Bromodichloromethane	9.40	83	87379	18.729	ug/l	99
48) Methyl methacrylate	9.20	41	65527	19.817	ug/l	98
49) 1,4-Dioxane	9.20	88	27080	394.094	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	408776	96.469	ug/l	99
52) Toluene	10.16	92	168228	20.088	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	85051	17.079	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95972	17.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67611	20.153	ug/l	99
56) Ethyl methacrylate	10.43	69	100887	19.457	ug/l	99
57) 1,3-Dichloropropane	10.71	76	106773	19.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	168407	84.990	ug/l	99
59) 2-Hexanone	10.75	43	283638	94.356	ug/l	99
60) Dibromochloromethane	10.90	129	72733	18.610	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69143	19.869	ug/l	100
64) Tetrachloroethene	10.63	164	82287	21.795	ug/l	98
65) Chlorobenzene	11.43	112	180196	20.109	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	68273	19.103	ug/l	100
67) Ethyl Benzene	11.51	91	315772	19.650	ug/l	98
68) m/p-Xylenes	11.62	106	242735	39.955	ug/l	98
69) o-Xylene	11.95	106	119430	19.815	ug/l	100
70) Styrene	11.96	104	193810	19.856	ug/l	100
71) Bromoform	12.13	173	54895	18.007	ug/l #	98
73) Isopropylbenzene	12.25	105	316375	22.282	ug/l	99
74) N-amyl acetate	12.07	43	106880	19.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	91709	21.358	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	80552m	23.311	ug/l	
77) Bromobenzene	12.53	156	83471	20.897	ug/l	95
78) n-propylbenzene	12.59	91	324903	19.971	ug/l	99
79) 2-Chlorotoluene	12.67	91	200964	21.479	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	257438	21.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20405	14.667	ug/l	95
82) 4-Chlorotoluene	12.77	91	190409	19.910	ug/l	99
83) tert-Butylbenzene	12.99	119	229474	21.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	251132	21.090	ug/l	100
85) sec-Butylbenzene	13.17	105	288592	21.559	ug/l	99
86) p-Isopropyltoluene	13.29	119	259262	19.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	127572	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122278	20.335	ug/l	100
89) n-Butylbenzene	13.61	91	188092	18.885	ug/l	100
90) Hexachloroethane	13.87	117	45684	18.464	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	130638	20.703	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15015	18.104	ug/l	95

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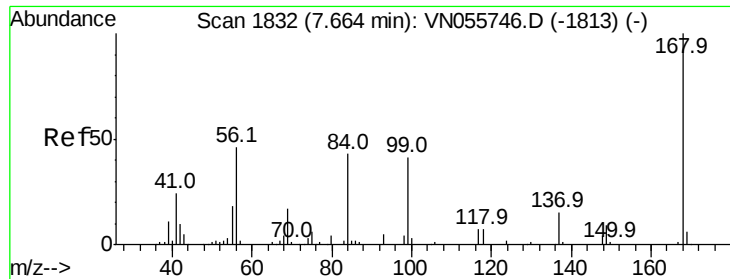
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63408	19.832	ug/l	98
94) Hexachlorobutadiene	15.01	225	49301	21.146	ug/l	99
95) Naphthalene	15.13	128	178823	20.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69522	20.842	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion:168 Resp: 347772

Ion Ratio Lower Upper

168 100

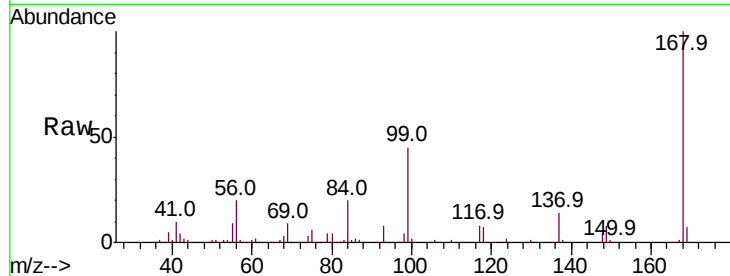
99 44.6 37.2 55.8

Manual Integrations

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5/28/2019 10:36:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

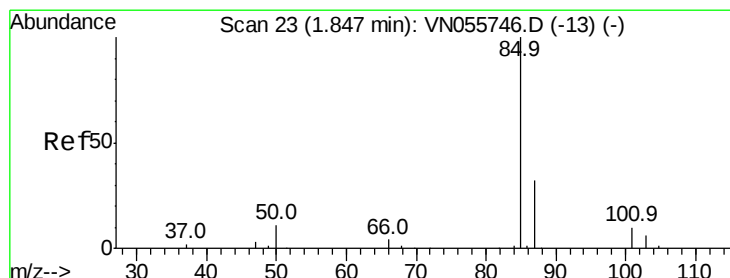
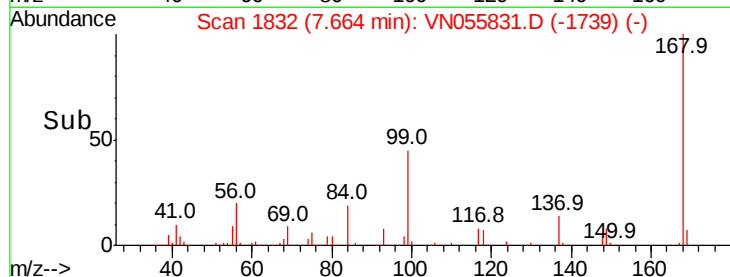
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.557 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055831.D

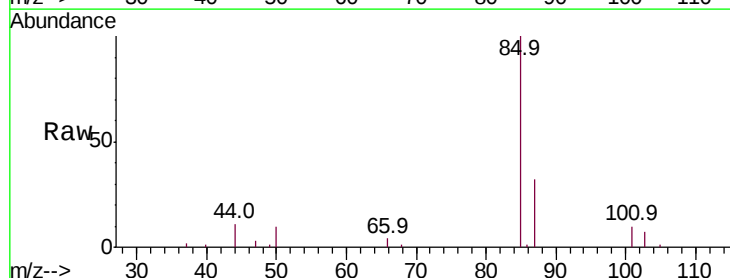
Acq: 25 May 2019 6:44

Tgt Ion: 85 Resp: 43434

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

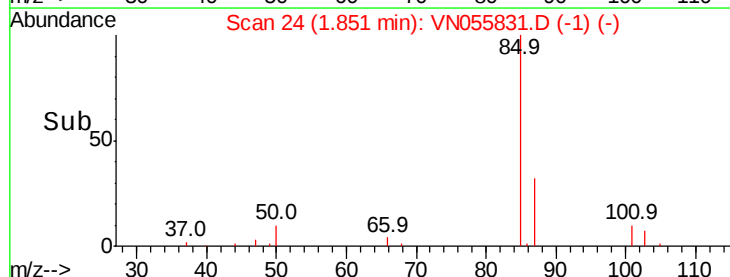
20000

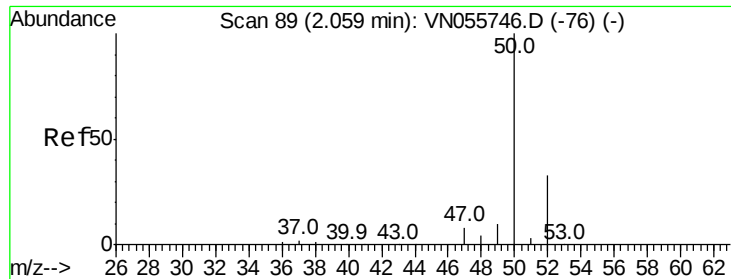
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.221 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 50 Resp: 63033

Ion Ratio Lower Upper

50 100

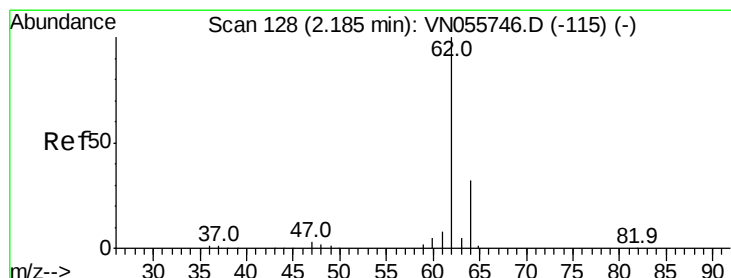
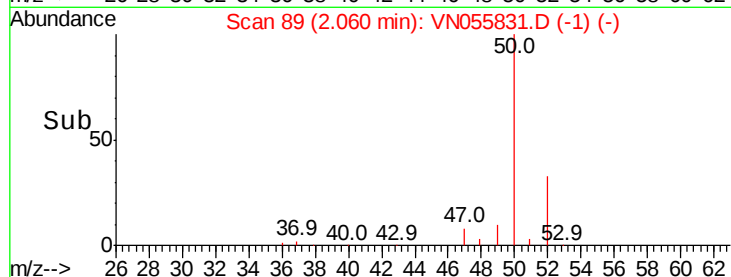
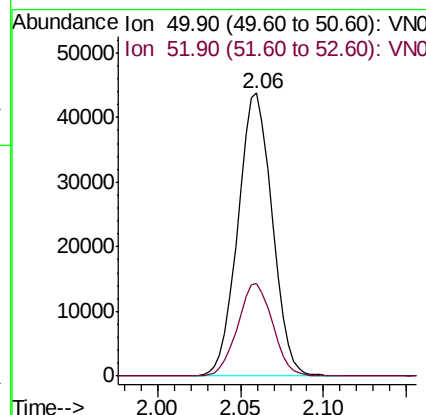
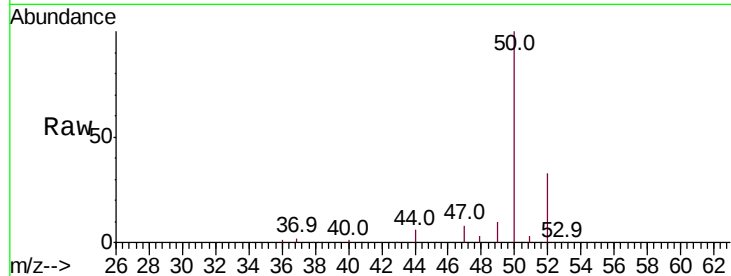
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.810 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055831.D

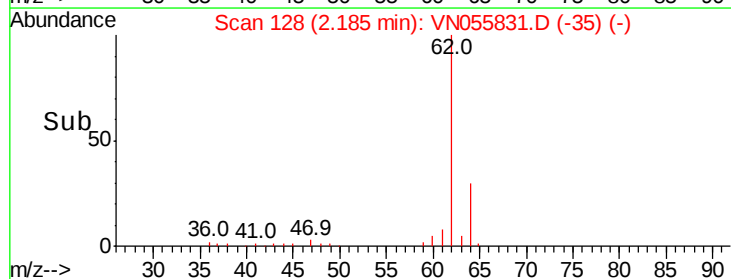
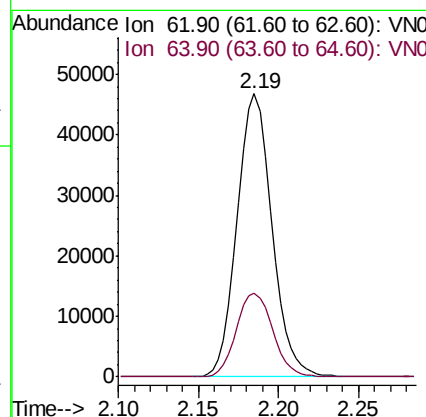
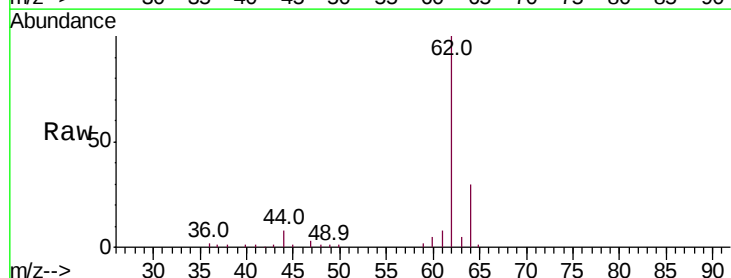
Acq: 25 May 2019 6:44

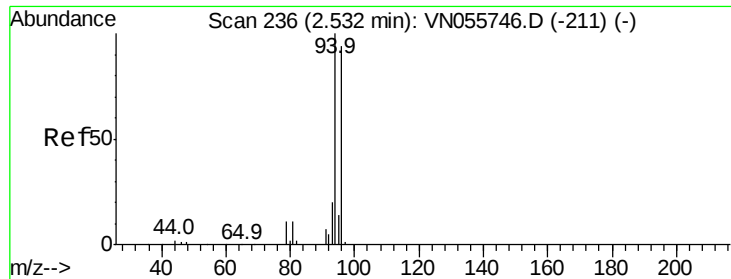
Tgt Ion: 62 Resp: 69289

Ion Ratio Lower Upper

62 100

64 29.5 25.6 38.4





#5

Bromomethane

Concen: 22.612 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

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VN0524WBSD03

Tot Ion: 94 Resp: 49480

Ion Ratio Lower Upper

94 100

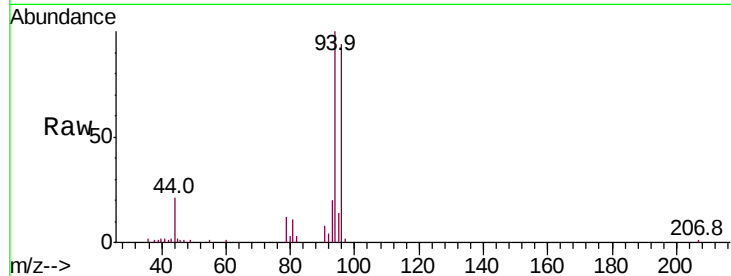
96 94.0 75.5 113.3

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

25000

20000

15000

10000

5000

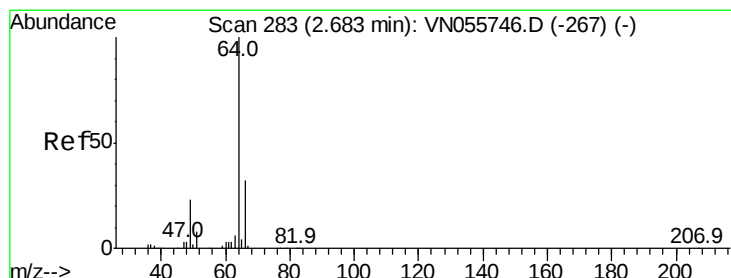
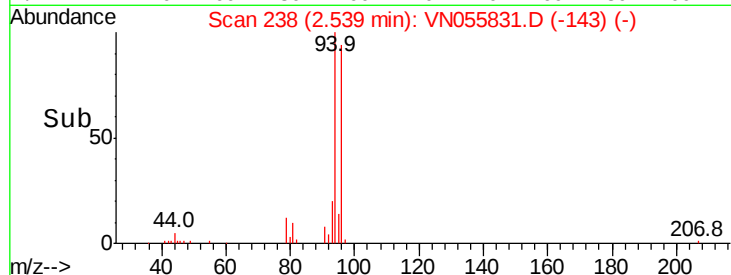
0

2.54

2.50

2.60

Time-->



#6

Chloroethane

Concen: 19.883 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055831.D

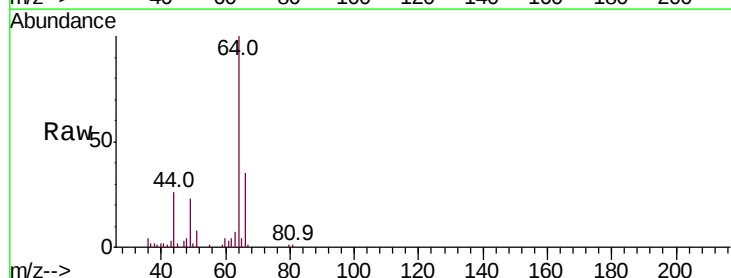
Acq: 25 May 2019 6:44

Tgt Ion: 64 Resp: 41870

Ion Ratio Lower Upper

64 100

66 34.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

5000

0

2.69

2.60

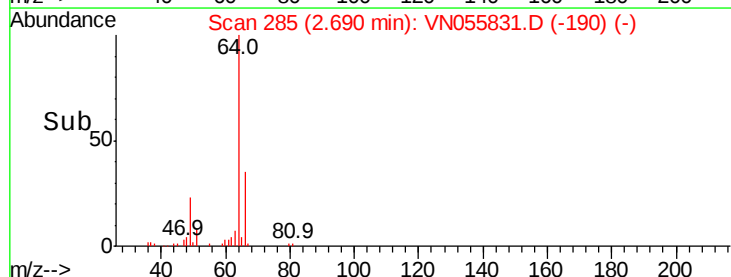
2.65

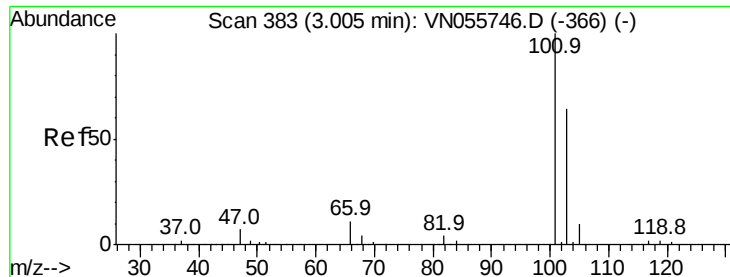
2.70

2.75

2.80

Time-->





#7

Trichlorofluoromethane

Concen: 19.537 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 89587

Ion Ratio Lower Upper

101 100

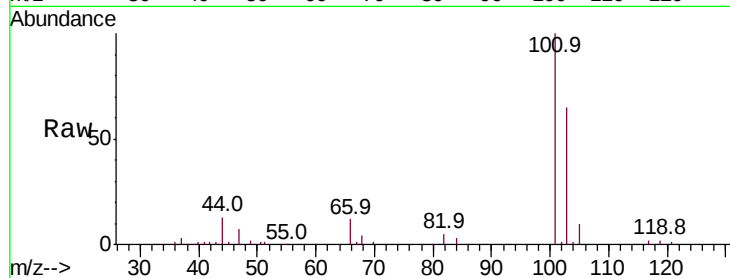
103 64.8 51.2 76.8

Manual Integrations

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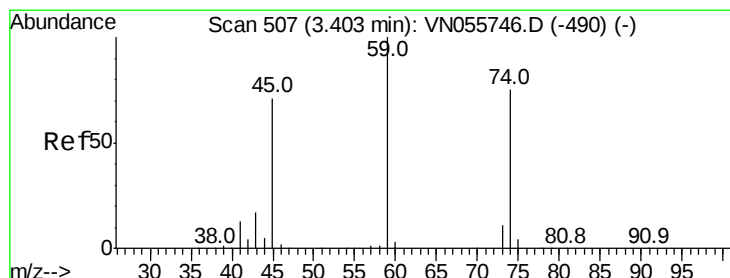
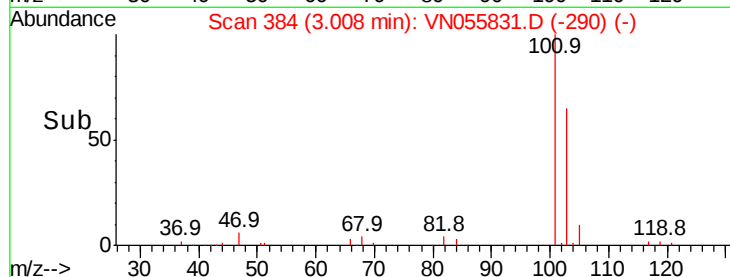
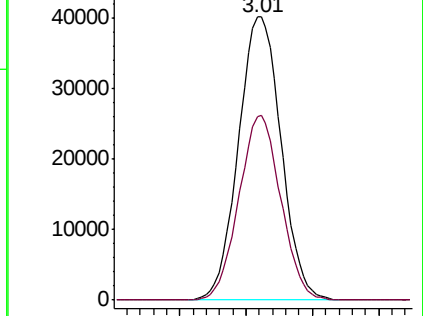
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.536 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN055831.D

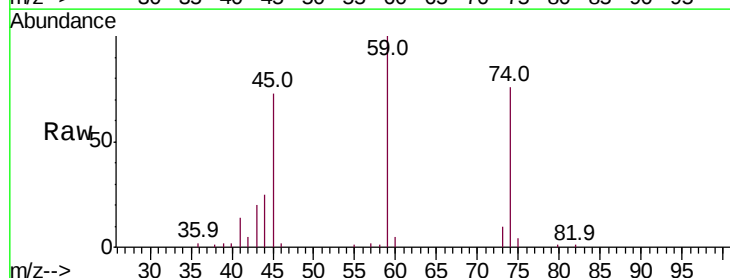
Acq: 25 May 2019 6:44

Tgt Ion: 74 Resp: 40152

Ion Ratio Lower Upper

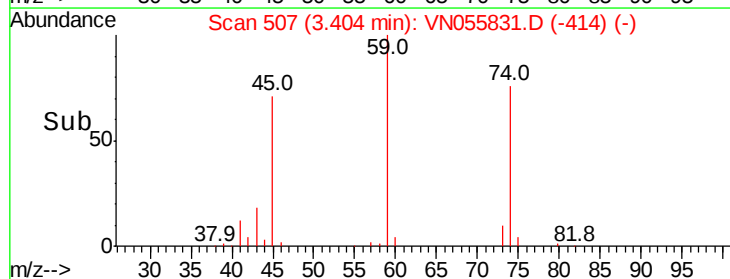
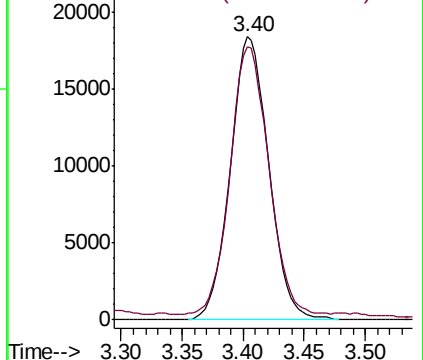
74 100

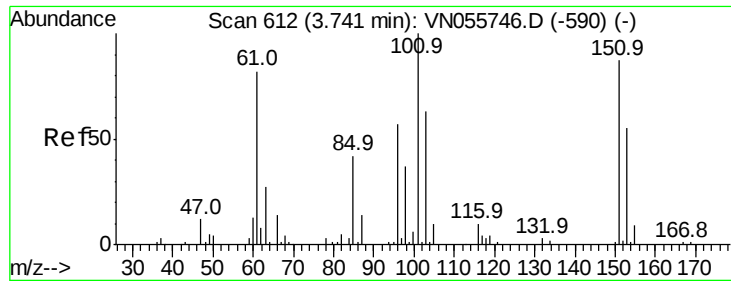
45 94.0 48.6 145.9



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: 19.403 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

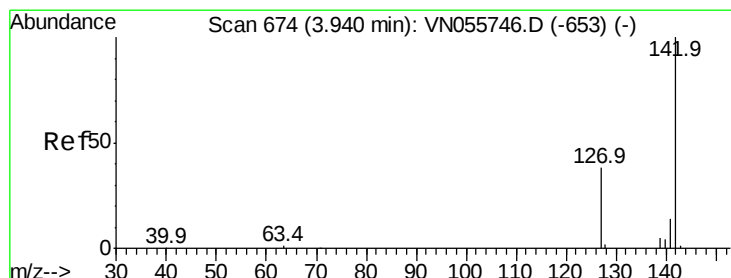
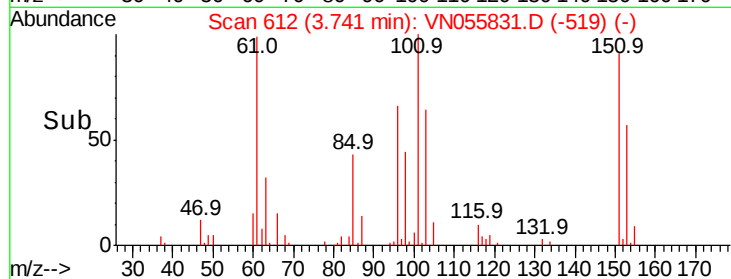
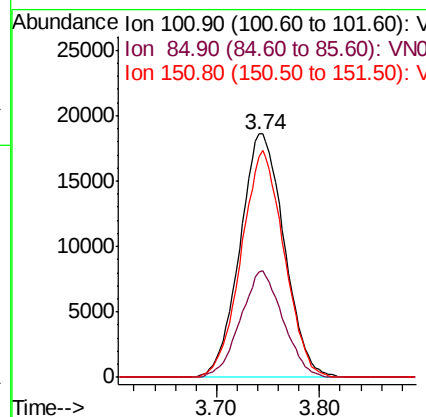
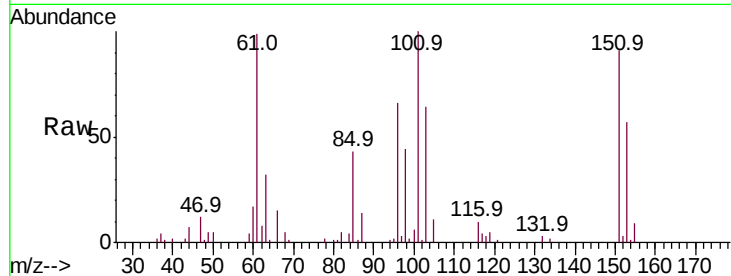
ClientSampleId :

VN0524WBSD03

Tot Ion:	101	Resp:	55541
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	89.9	69.4	104.2

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#10

Methyl Iodide

Concen: 19.621 ug/l

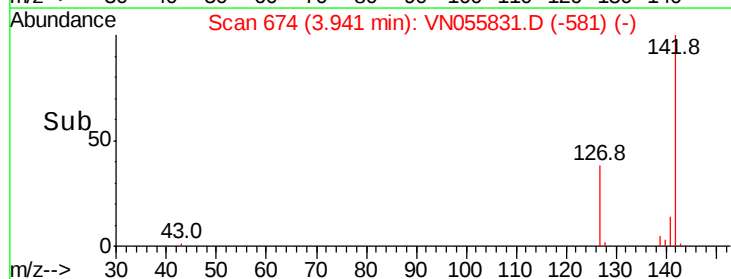
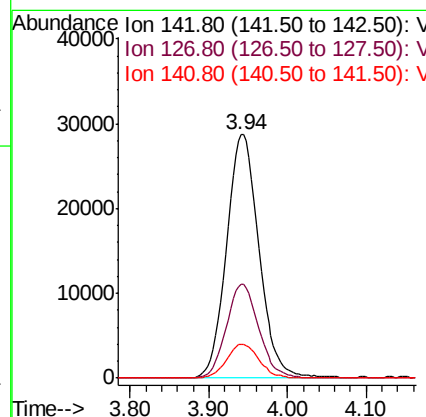
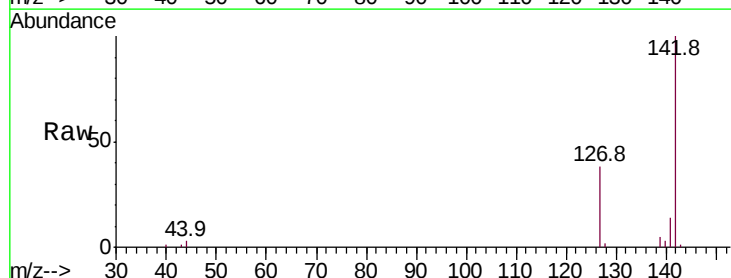
RT: 3.94 min Scan# 674

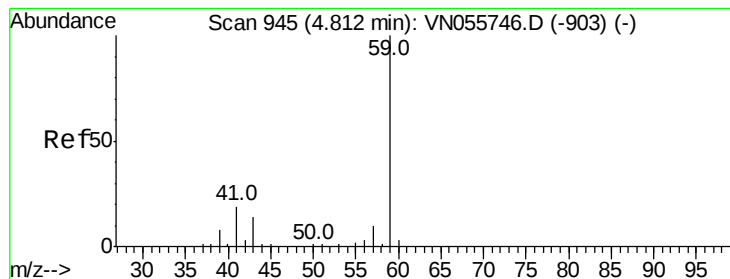
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	142	Resp:	82115
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	13.8	11.4	17.0





#11

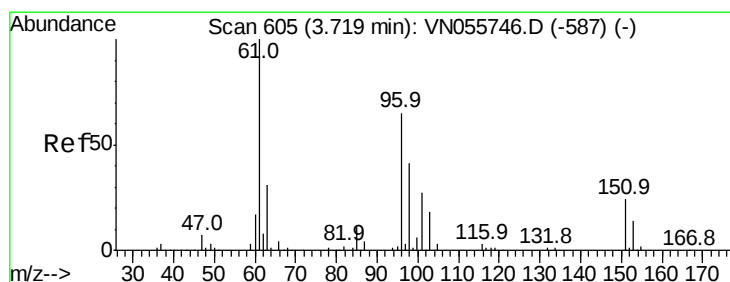
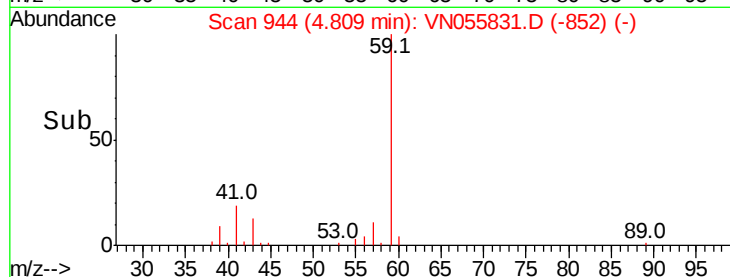
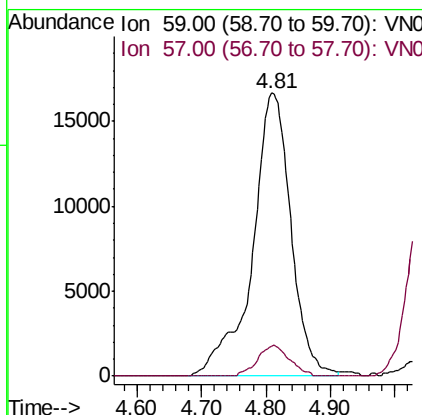
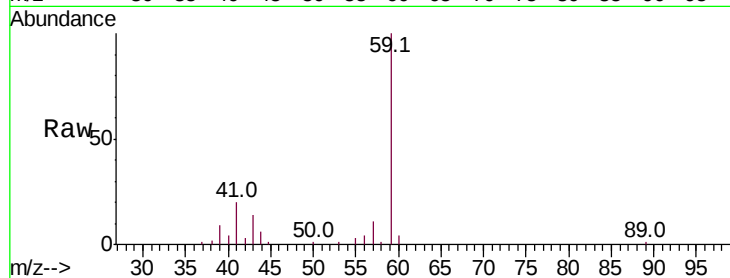
Tert butyl alcohol
 Concen: 101.224 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.8	11.6

Manual Integrations
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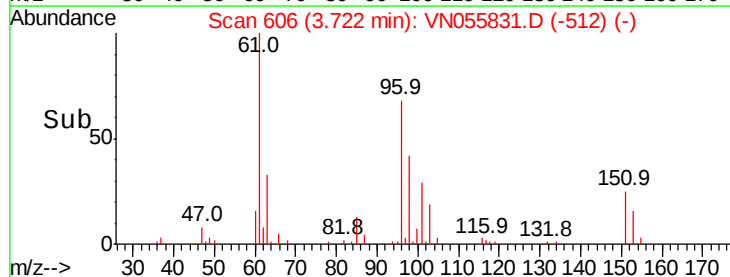
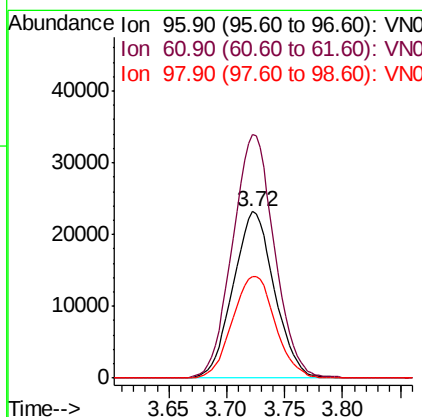
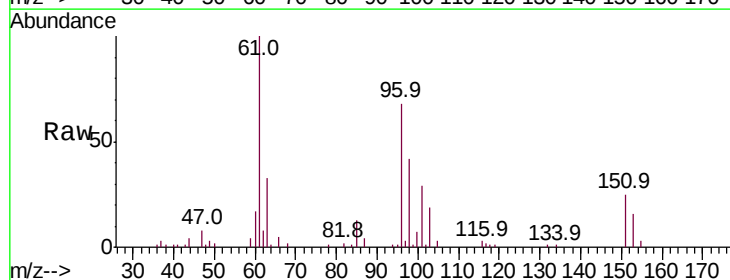
MMDadoda
 5/28/2019 10:36:59 AM

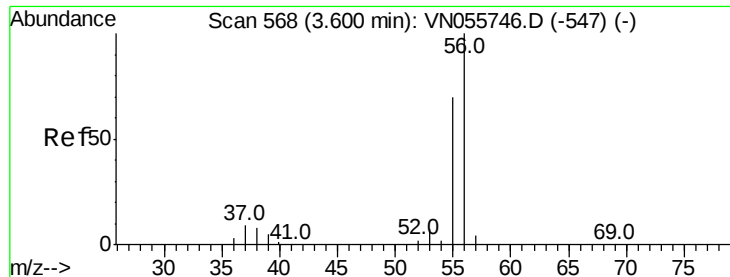


#12

1,1-Dichloroethene
 Concen: 19.416 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.2	123.2	184.8
98	61.2	50.4	75.6





#13

Acrolein

Concen: 73.366 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 56 Resp: 36049

Ion Ratio Lower Upper

56 100

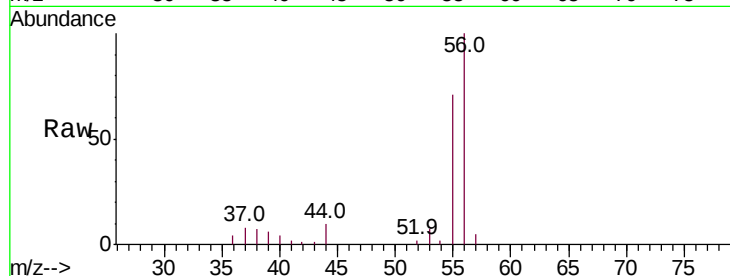
55 73.0 55.4 83.2

Manual Integrations

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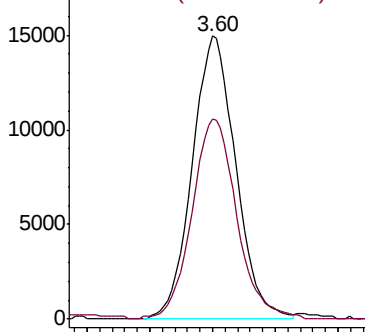
MMDadoda

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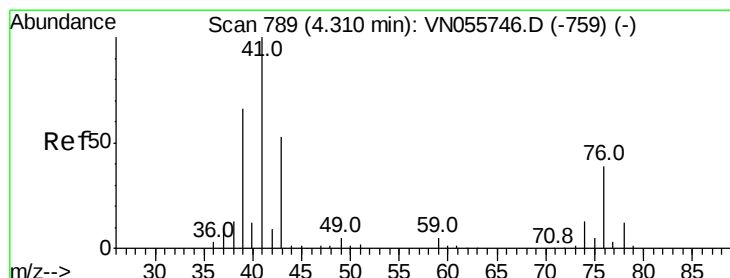
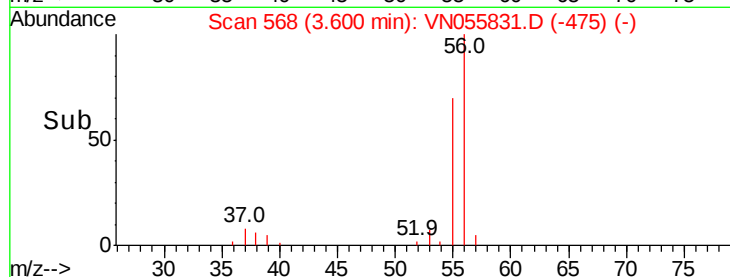


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



Time-->



#14

Allyl chloride

Concen: 17.609 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

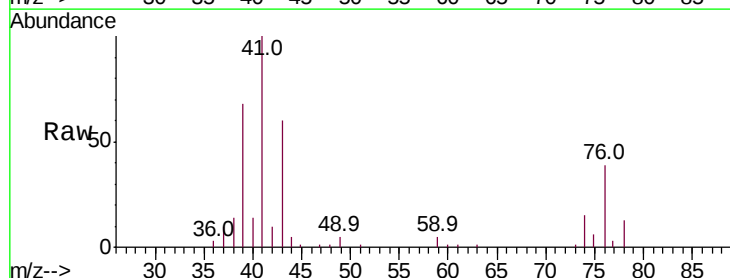
Tgt Ion: 41 Resp: 89283

Ion Ratio Lower Upper

41 100

39 62.7 50.0 75.0

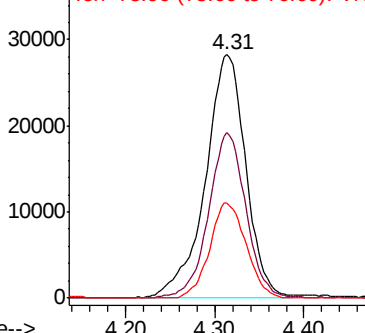
76 35.2 28.2 42.2



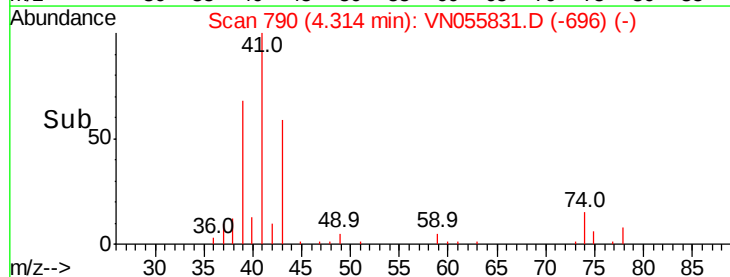
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO



Time-->





#15

Acrylonitrile

Concen: 97.887 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

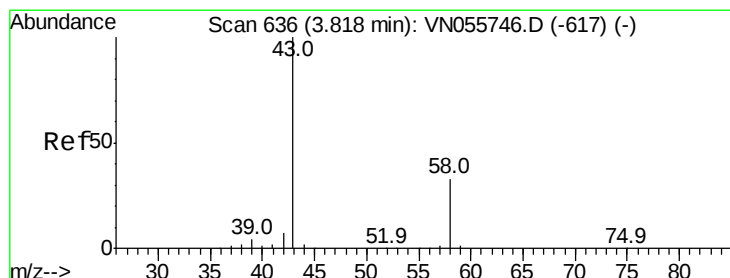
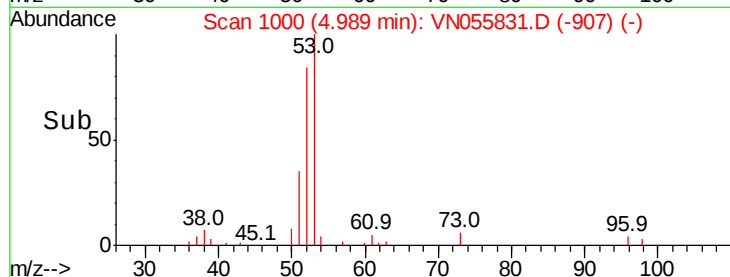
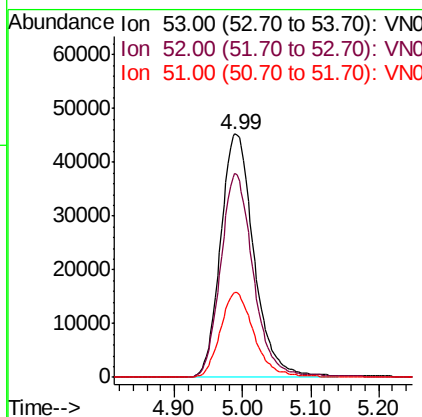
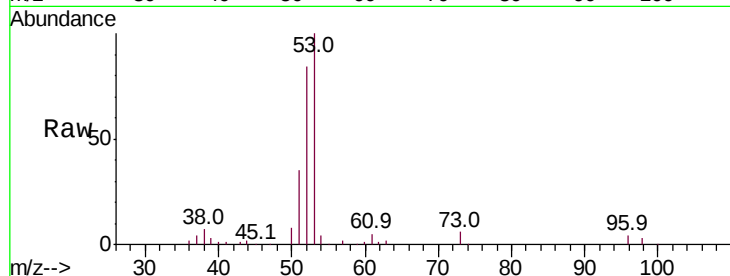
ClientSampleId :

VN0524WBSD03

Tot Ion:	53	Resp:	154244
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 79.619 ug/l

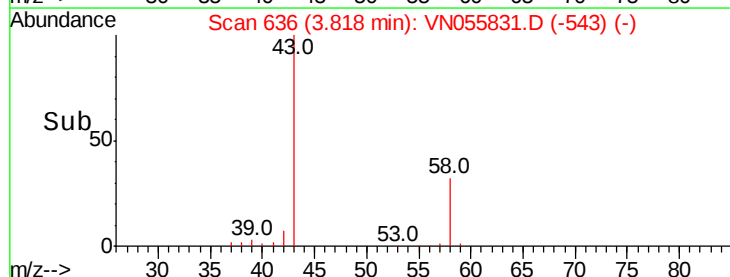
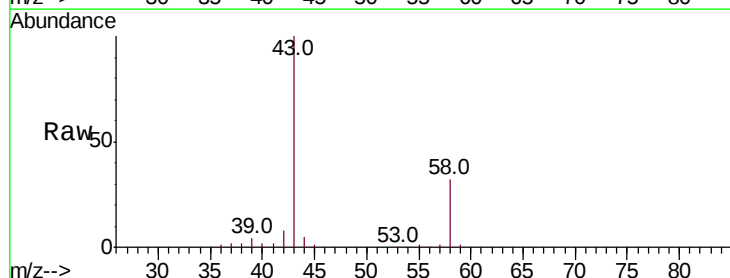
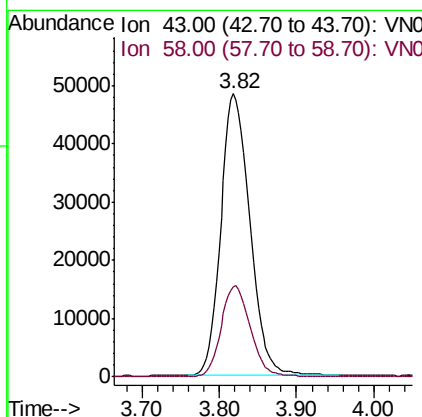
RT: 3.82 min Scan# 636

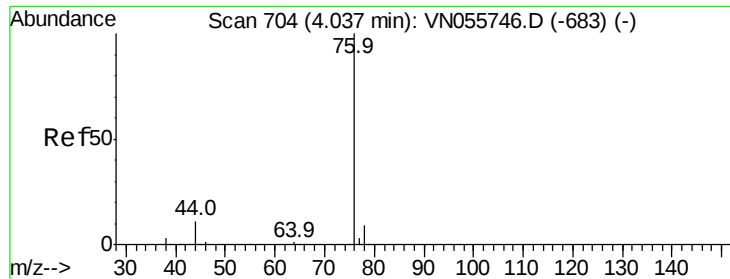
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	43	Resp:	125698
Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.6	39.8





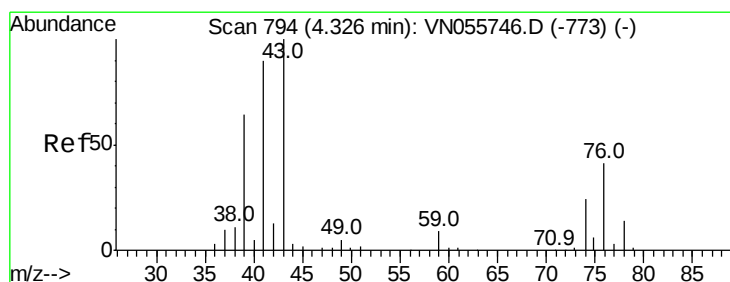
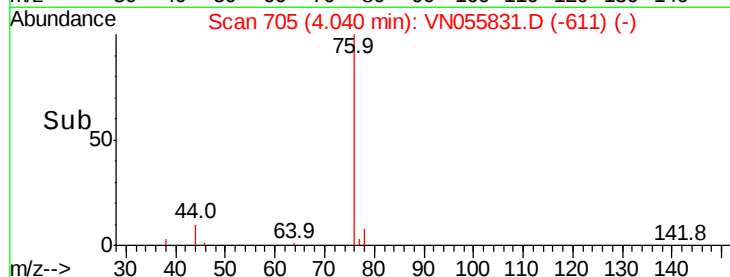
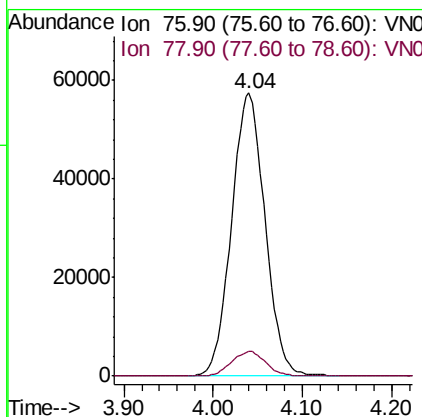
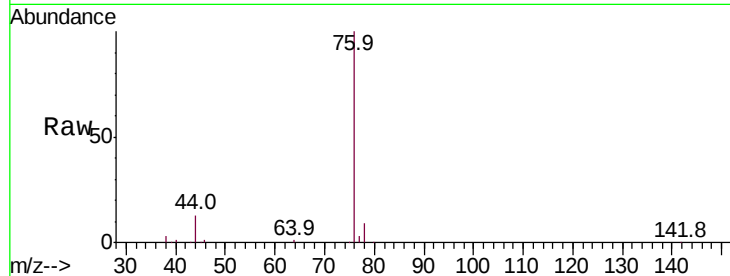
#17
Carbon Disulfide
Concen: 17.799 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

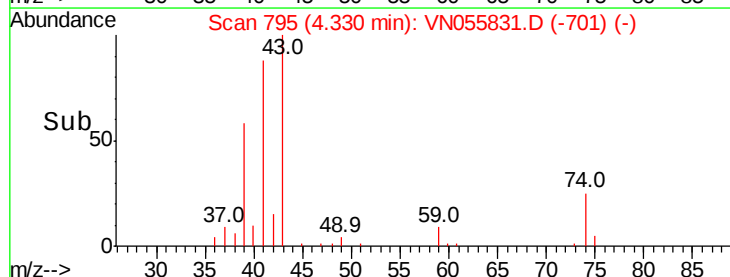
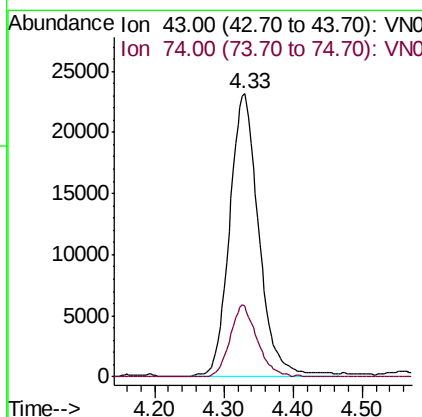
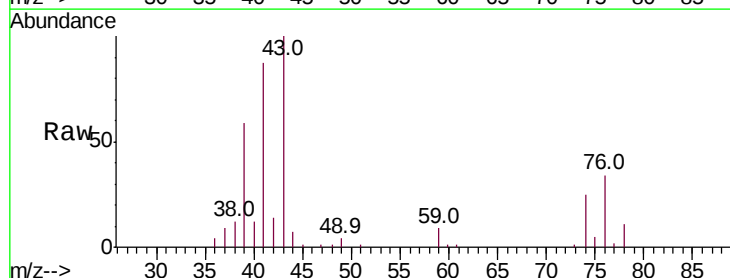
Manual Integrations
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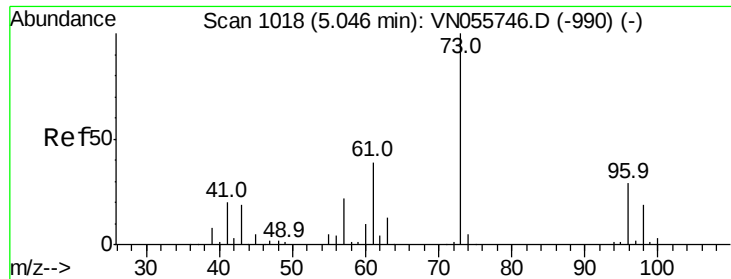
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#18
Methyl Acetate
Concen: 20.661 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.3	28.9





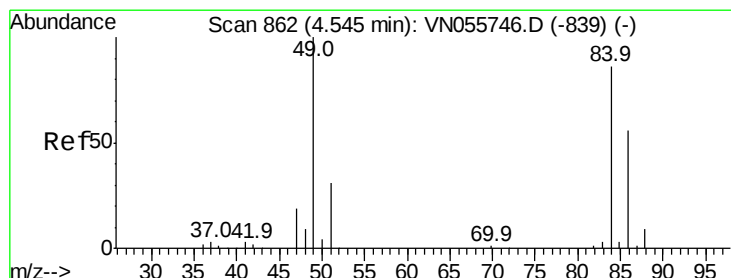
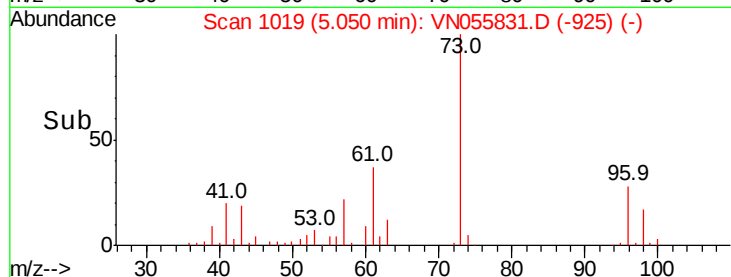
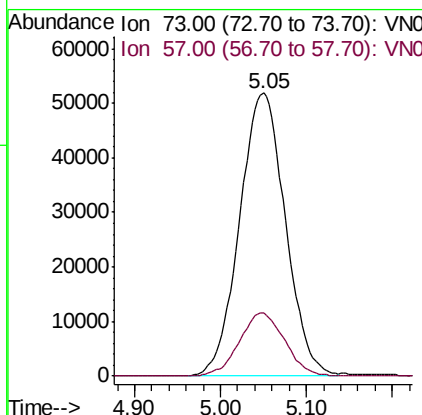
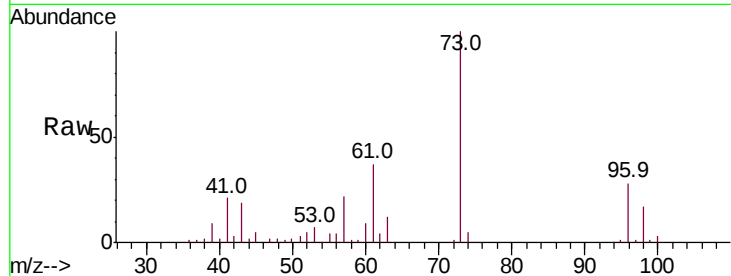
#19
Methyl tert-butyl Ether
Concen: 19.472 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion: 73 Resp: 192082
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

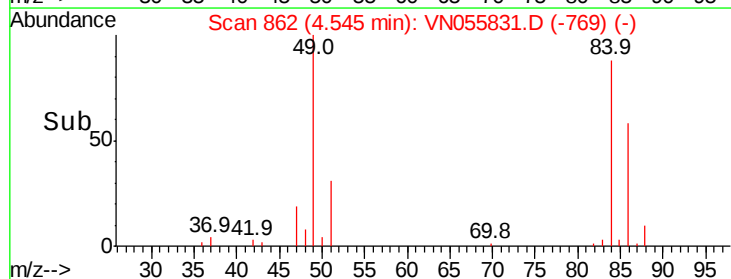
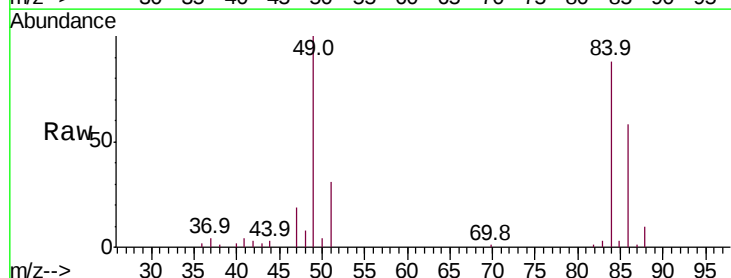
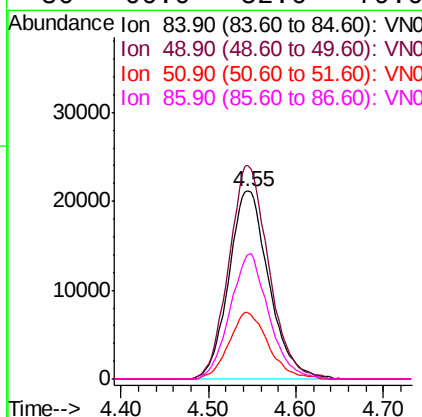
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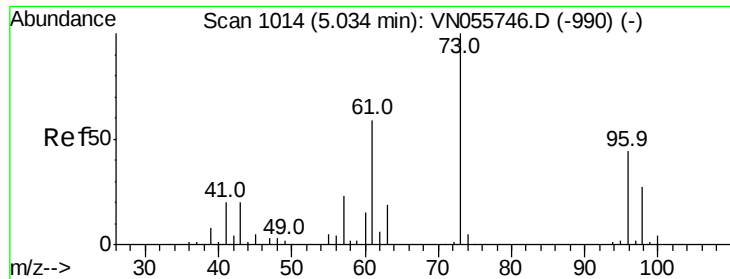
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#20
Methylene Chloride
Concen: 19.754 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 84 Resp: 67541
Ion Ratio Lower Upper
84 100
49 113.6 93.5 140.3
51 35.4 28.6 43.0
86 66.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.630 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055831.D

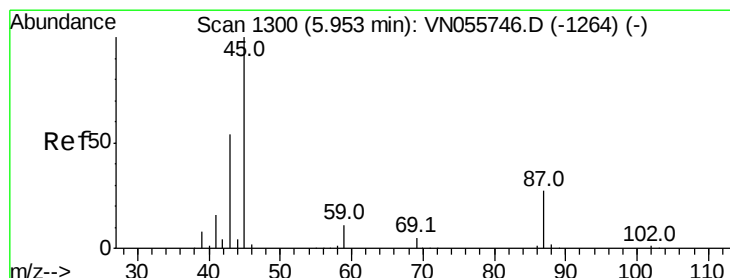
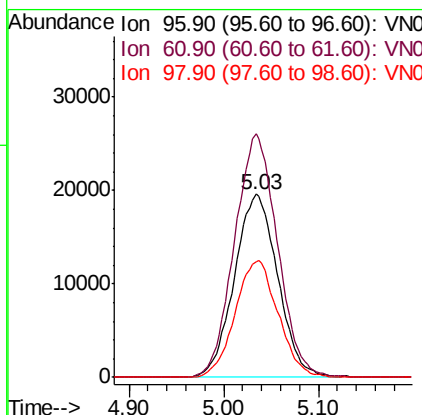
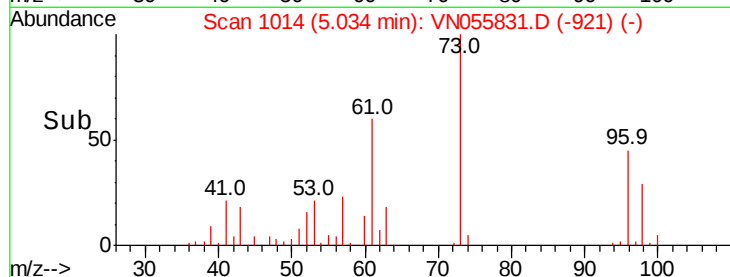
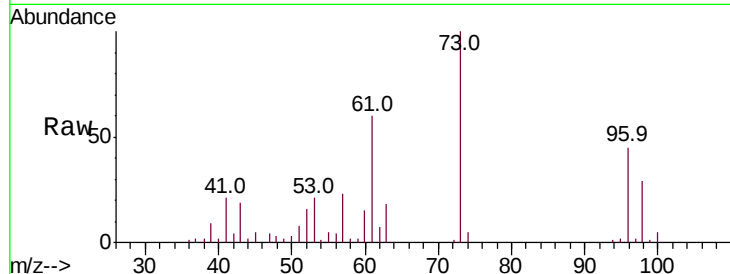
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	107.8	161.8
98	63.5	49.8	74.8

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#22

Diisopropyl ether

Concen: 19.336 ug/l

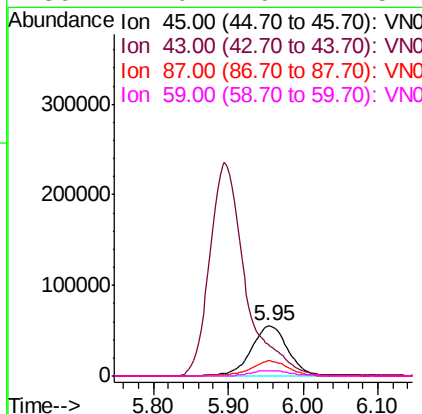
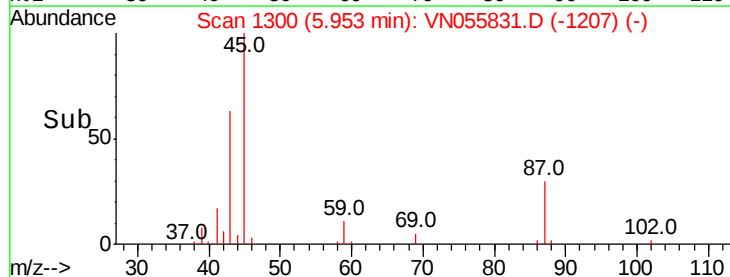
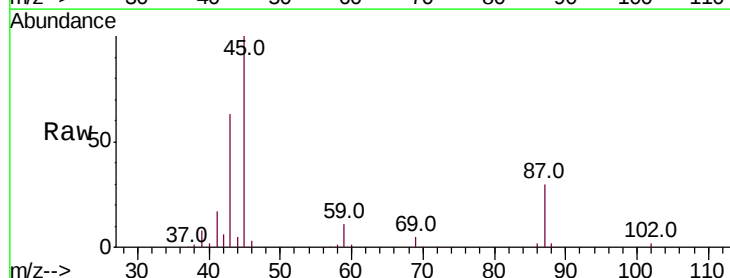
RT: 5.95 min Scan# 1300

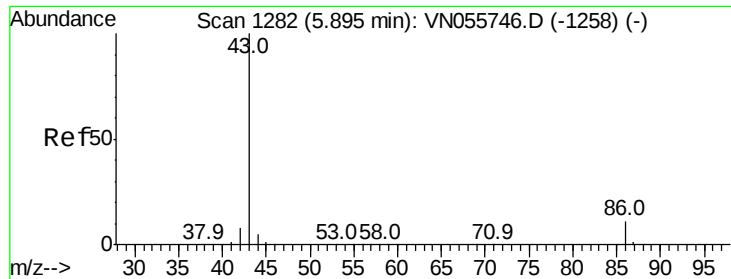
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	45.0	67.6
87	29.5	22.2	33.4
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 92.707 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 43 Resp: 783863

Ion Ratio Lower Upper

43 100

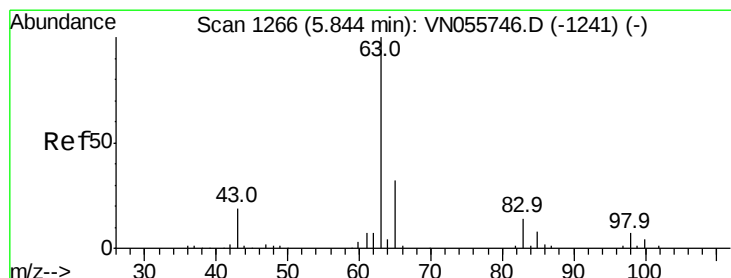
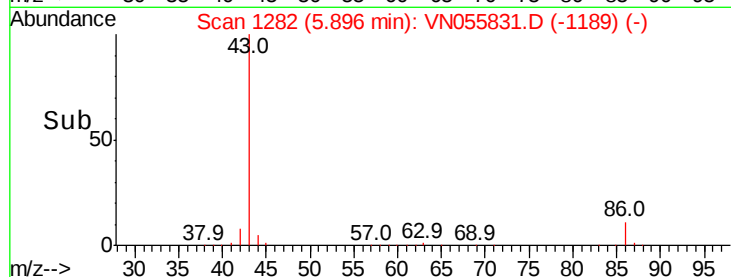
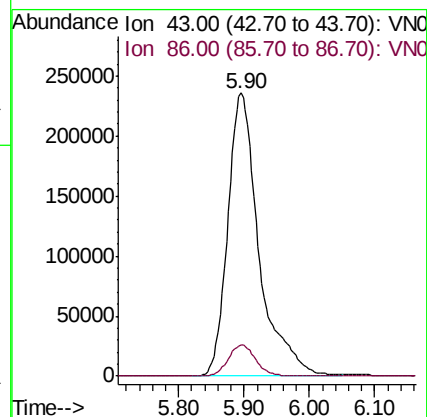
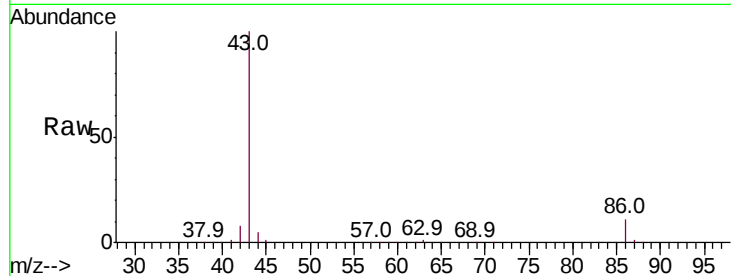
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.188 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

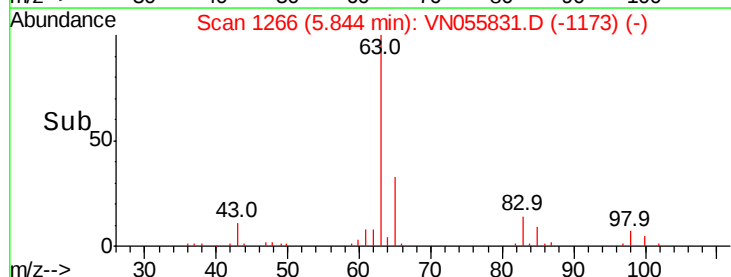
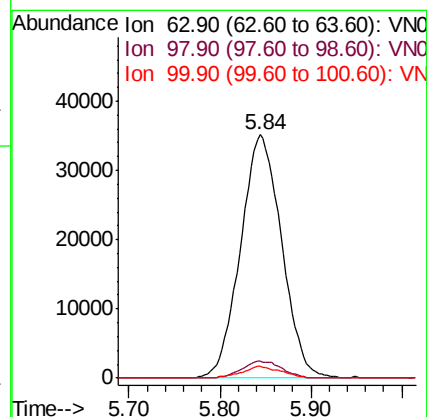
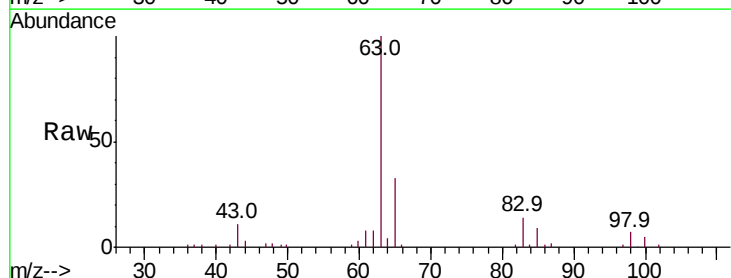
Tgt Ion: 63 Resp: 110175

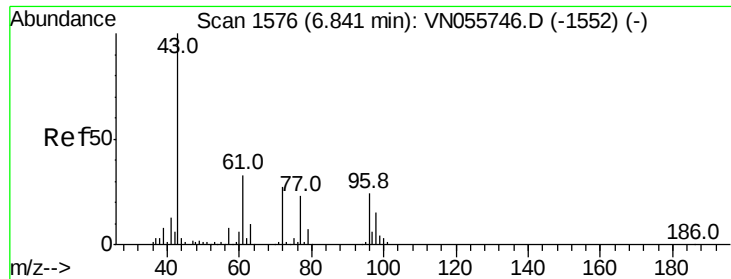
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 89.500 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 43 Resp: 197335

Ion Ratio Lower Upper

43 100

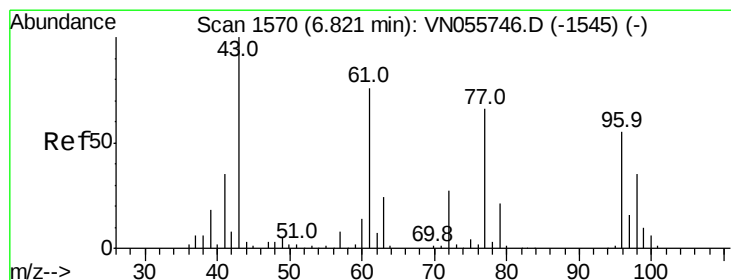
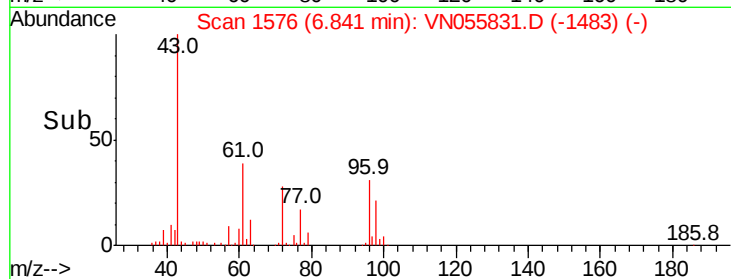
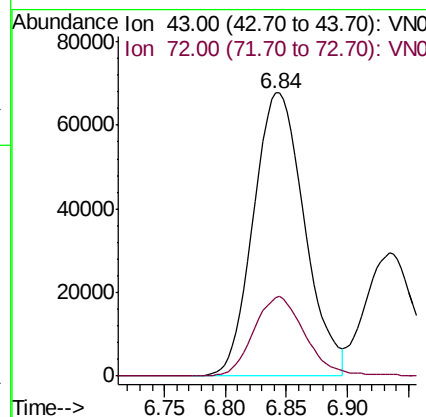
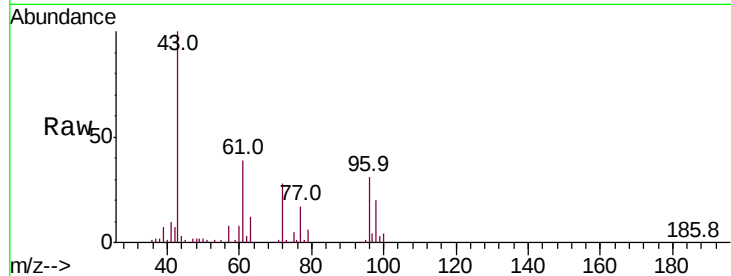
72 27.7 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.777 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055831.D

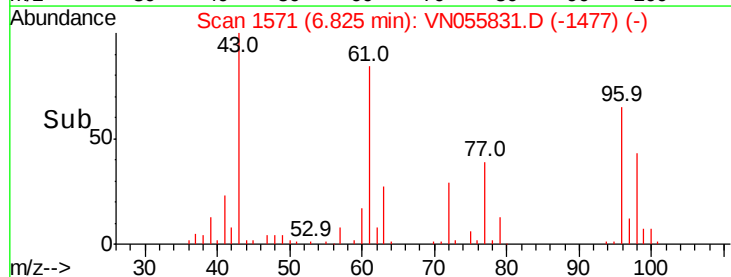
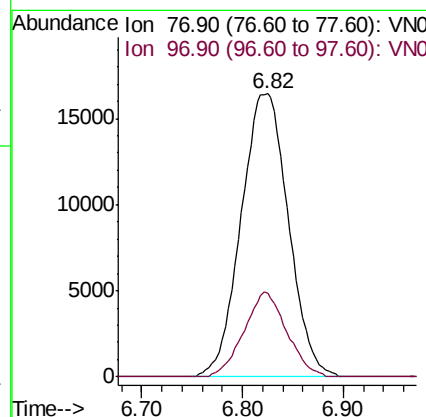
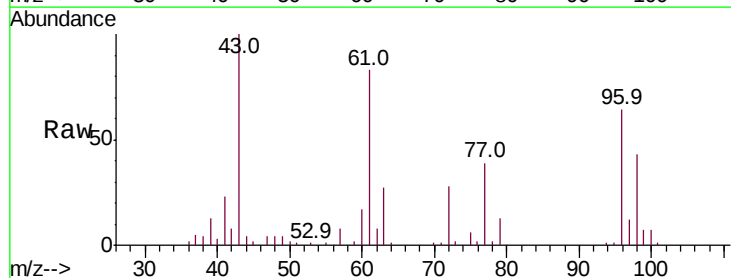
Acq: 25 May 2019 6:44

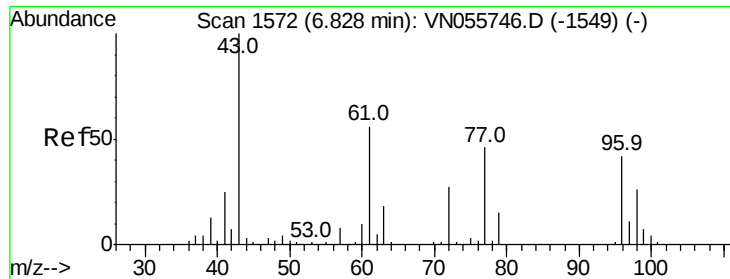
Tgt Ion: 77 Resp: 53556

Ion Ratio Lower Upper

77 100

97 27.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.427 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

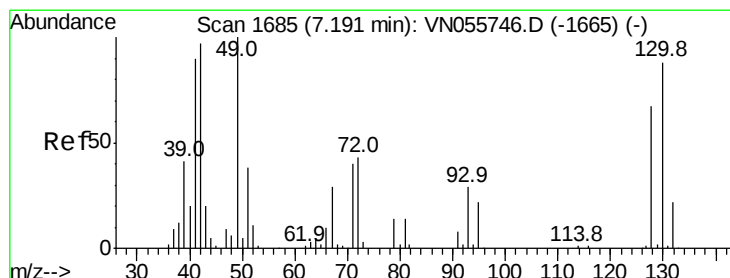
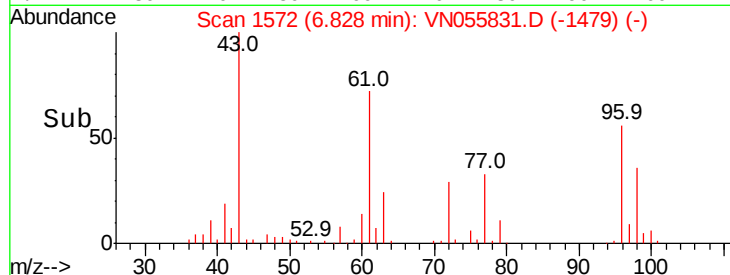
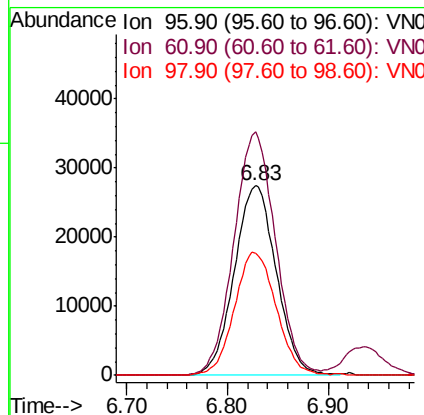
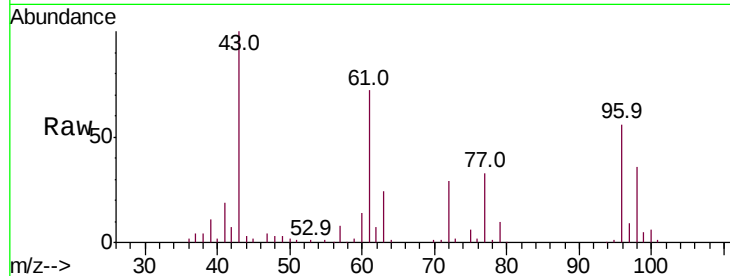
ClientSampleId :

VN0524WBSD03

Tot Ion:	96	Resp:	79433
Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	275.8
98	64.5	0.0	128.4

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#28

Bromochloromethane

Concen: 20.593 ug/l

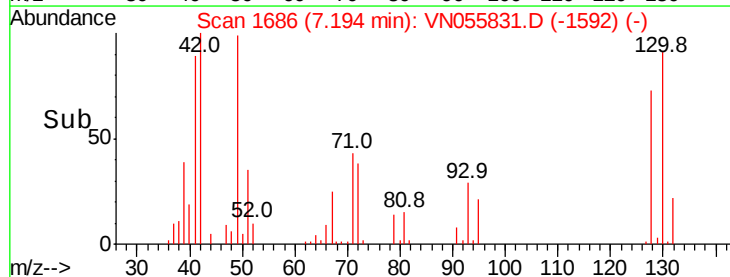
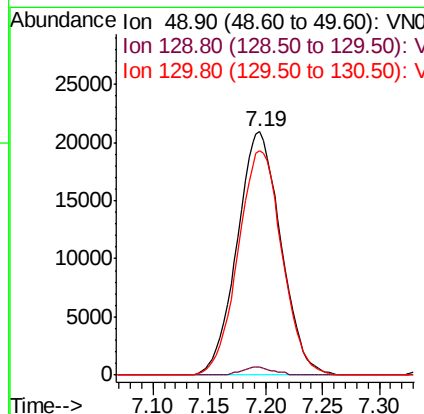
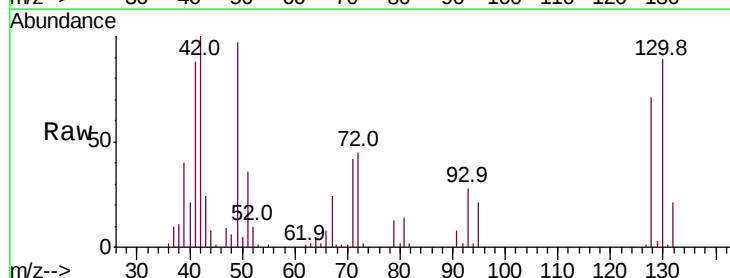
RT: 7.19 min Scan# 1686

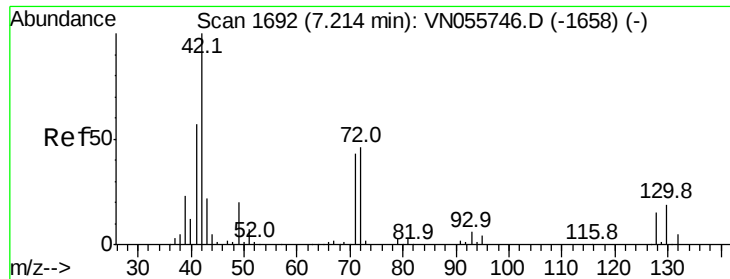
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	49	Resp:	56296
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	92.2	71.2	106.8





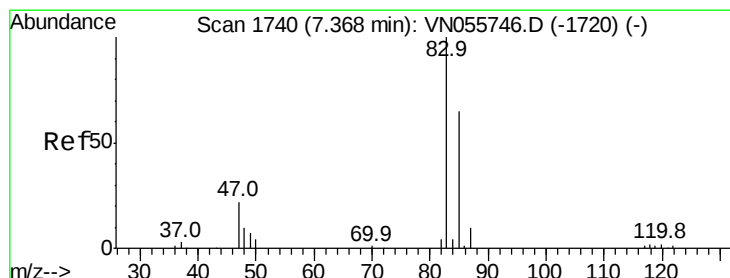
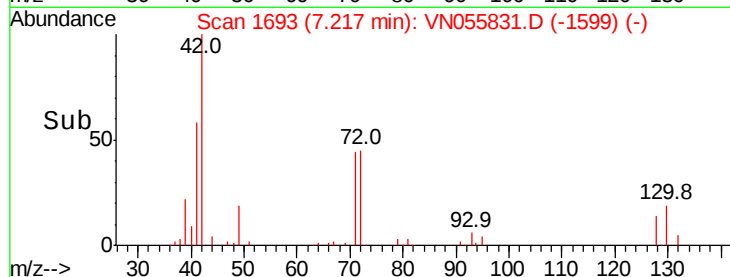
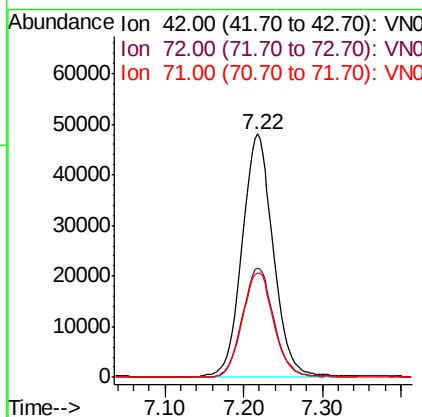
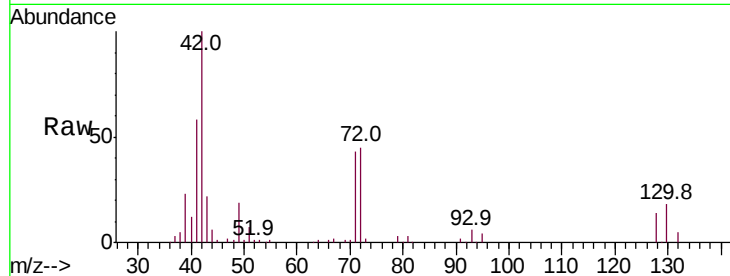
#29
Tetrahydrofuran
Concen: 96.406 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	43.4	34.0	51.0

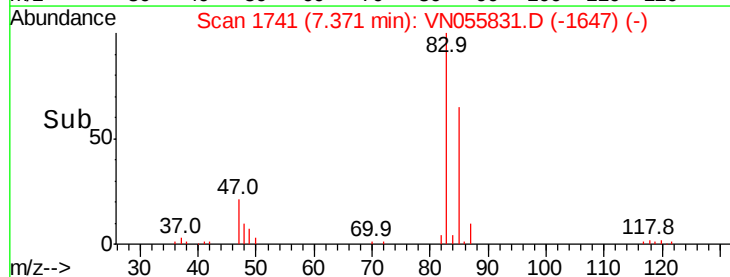
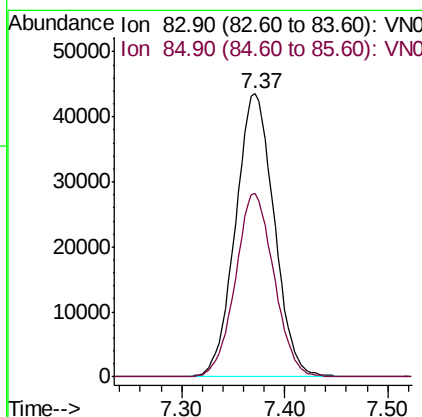
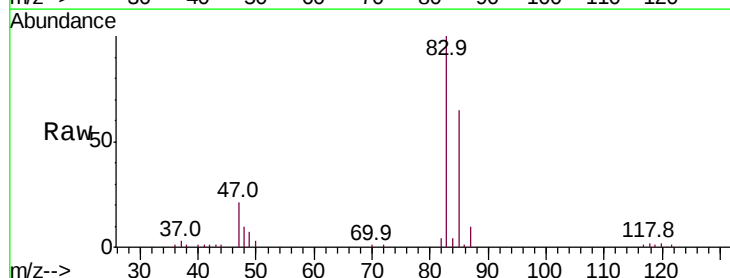
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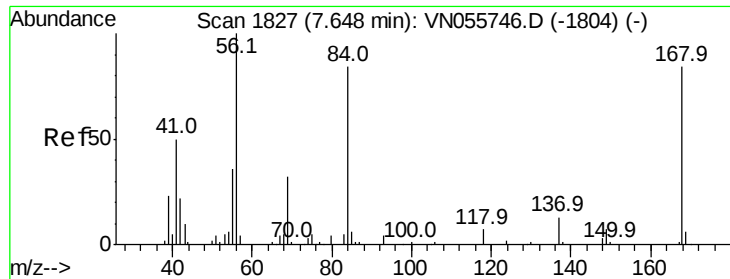
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#30
Chloroform
Concen: 19.813 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





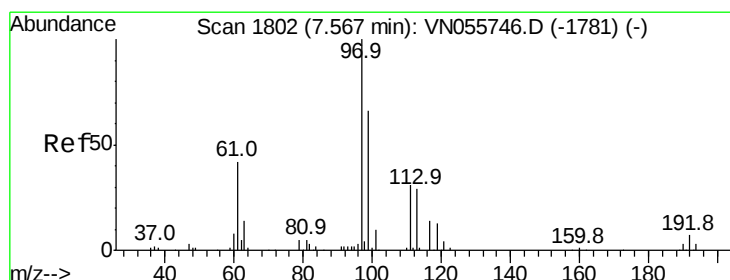
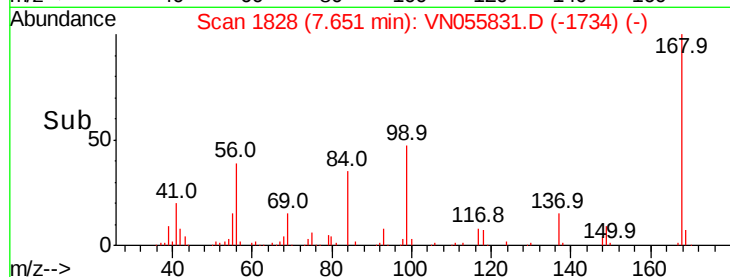
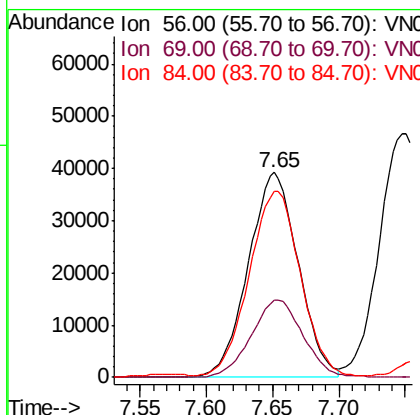
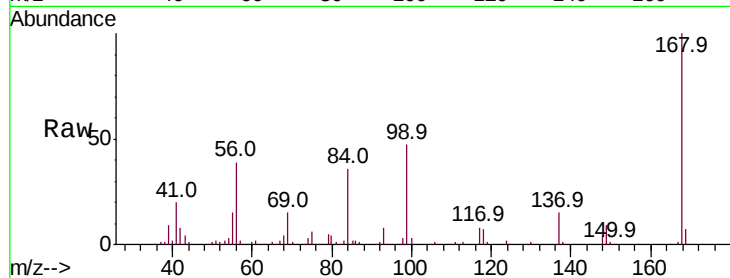
#31
Cyclohexane
Concen: 19.083 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.6	38.4
84	89.4	67.4	101.0

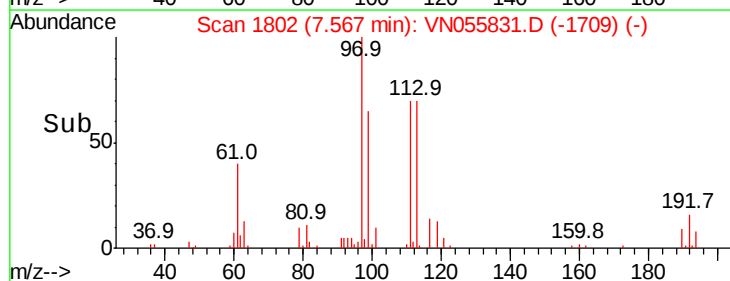
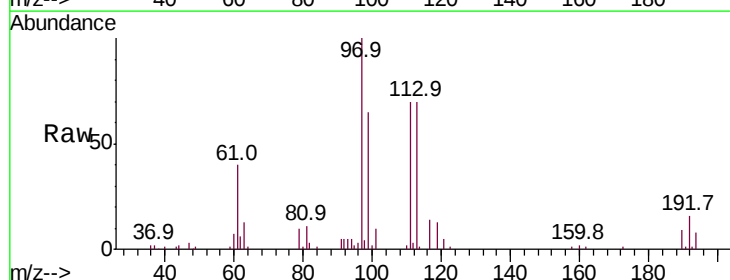
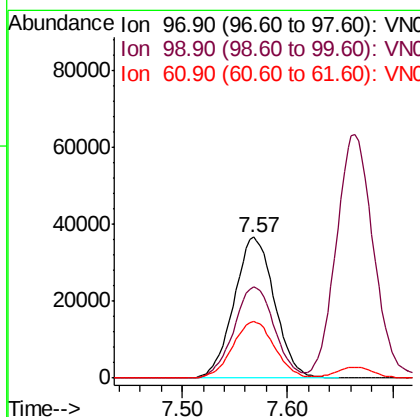
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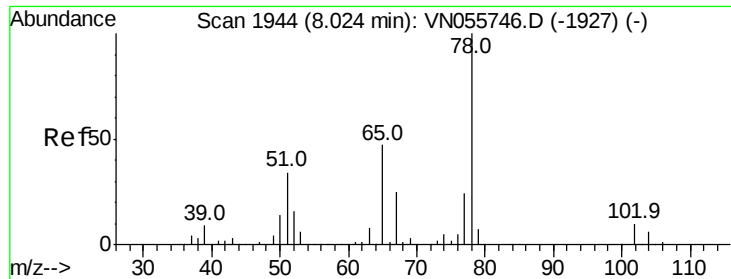
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#32
1,1,1-Trichloroethane
Concen: 19.147 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	41.2	32.9	49.3





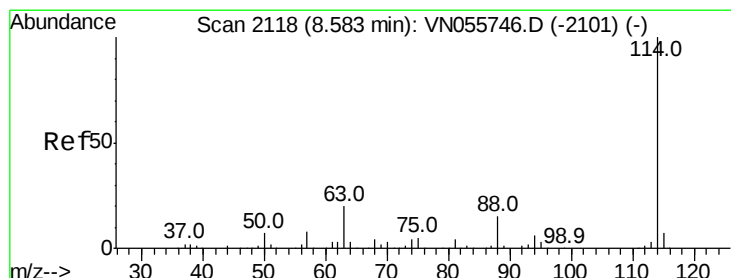
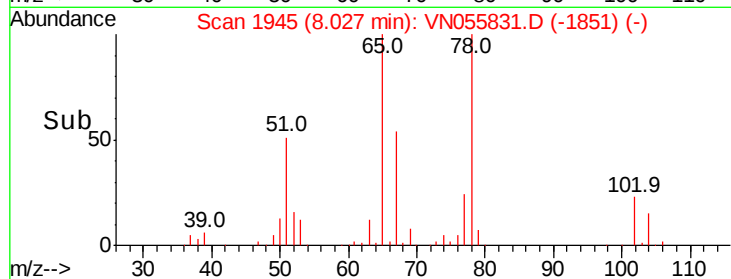
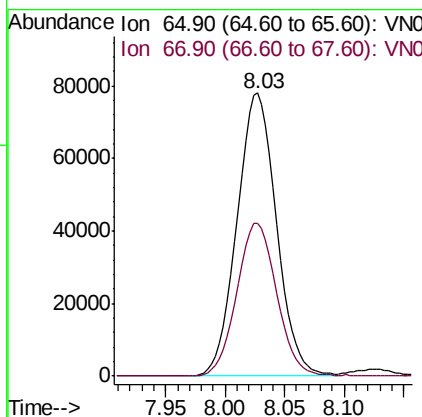
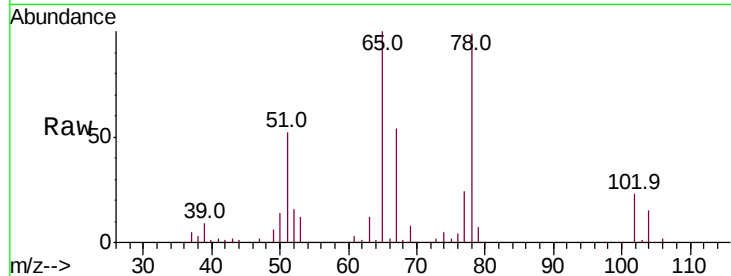
#33
 1,2-Dichloroethane-d4
 Concen: 50.001 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	109.2	

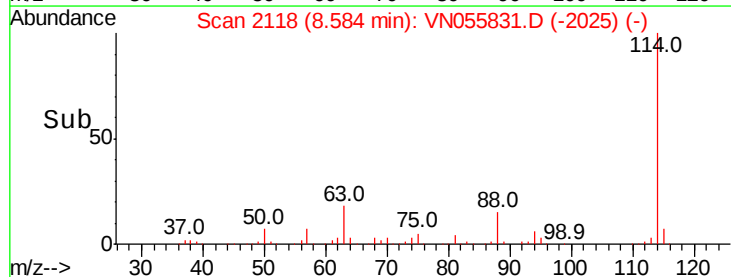
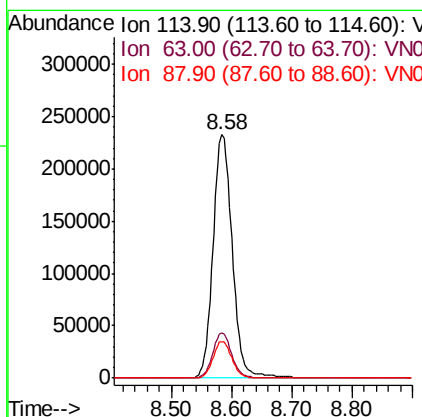
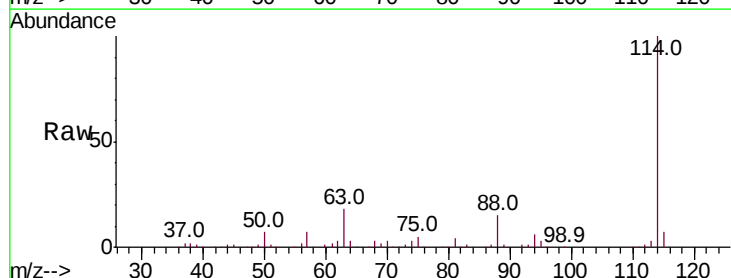
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	39.2	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.820 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

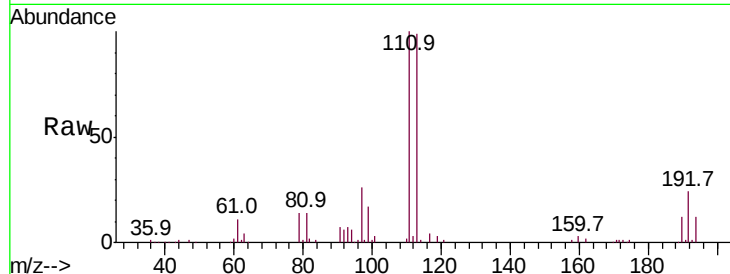
ClientSampleId :

VN0524WBSD03

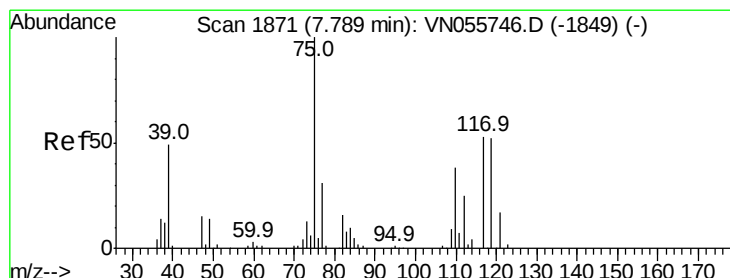
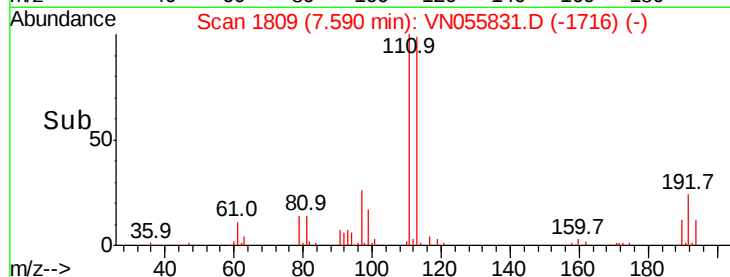
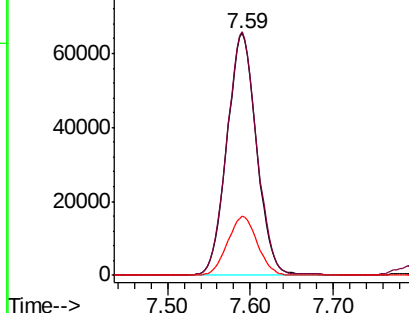
Tot Ion:	113	Resp:	162895
Ion Ratio	Lower	Upper	
113	100		
111	100.6	81.9	122.9
192	24.4	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.148 ug/l

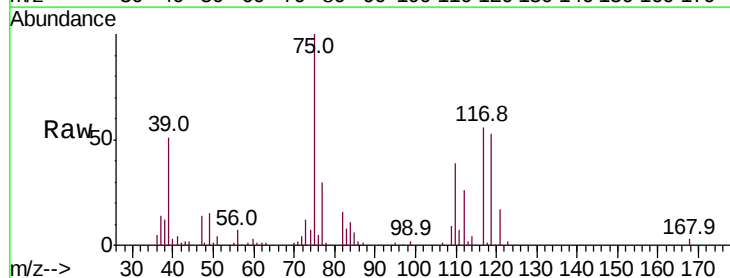
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

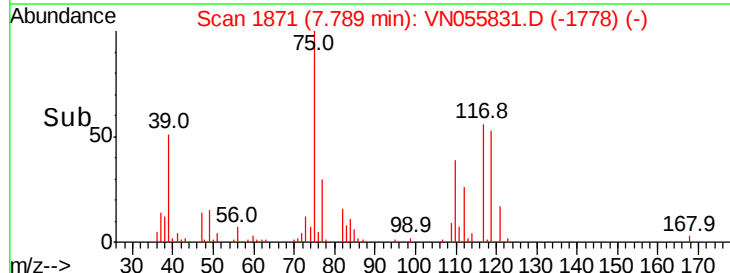
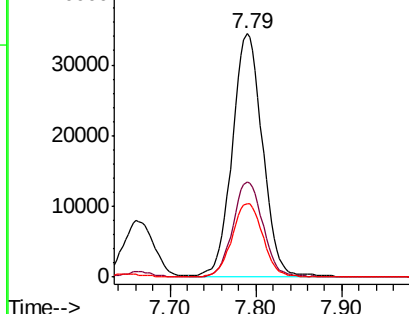
Lab File: VN055831.D

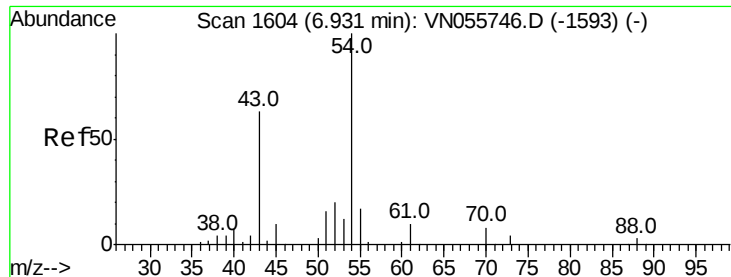
Acq: 25 May 2019 6:44

Tgt Ion:	75	Resp:	84599
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.0	57.0
77	30.4	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





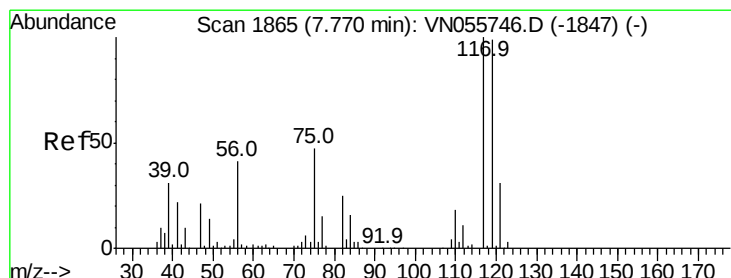
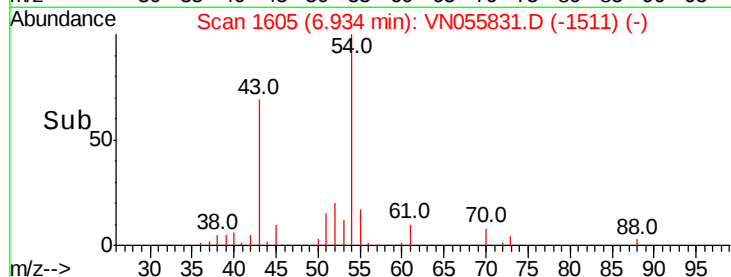
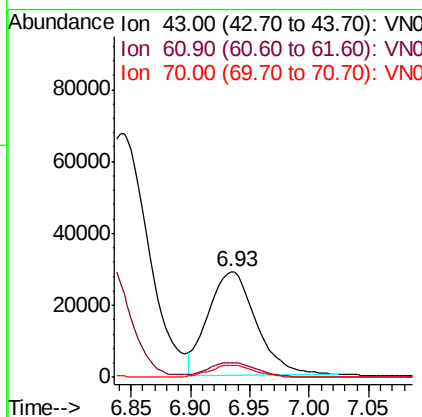
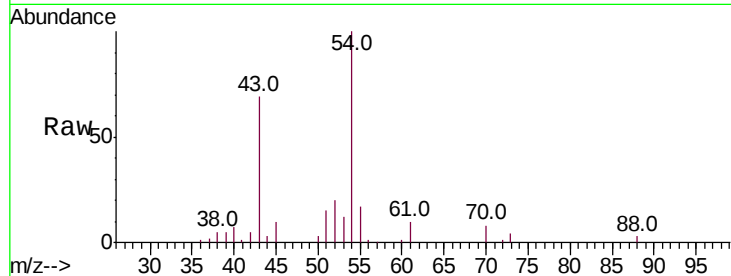
#37
Ethyl Acetate
Concen: 19.105 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.9	8.9	13.3

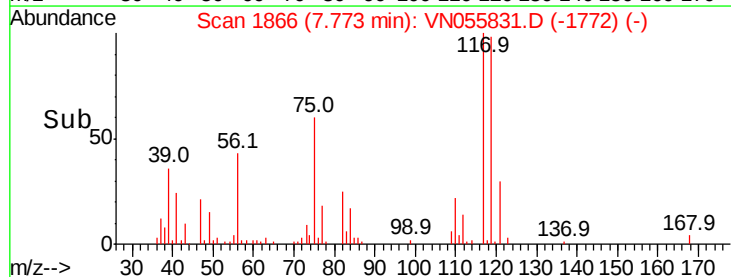
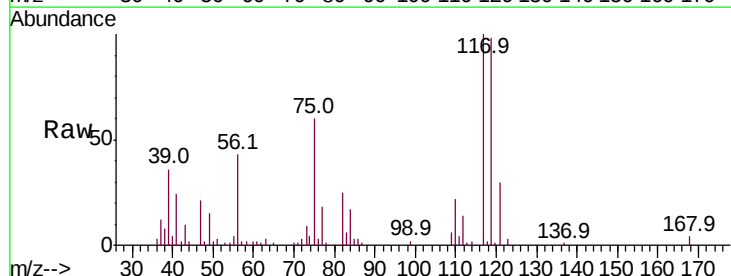
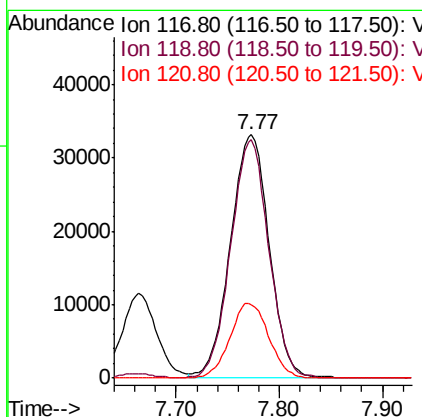
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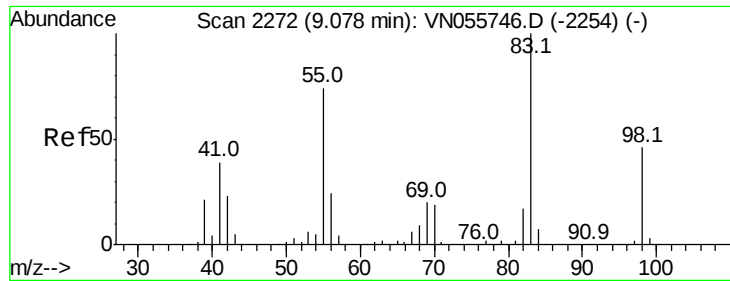
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#38
Carbon Tetrachloride
Concen: 18.917 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	79.0	118.6
121	30.4	24.7	37.1





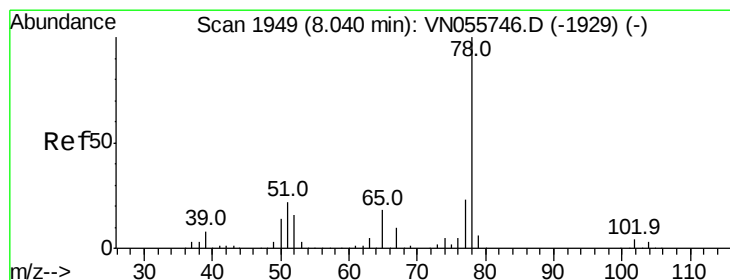
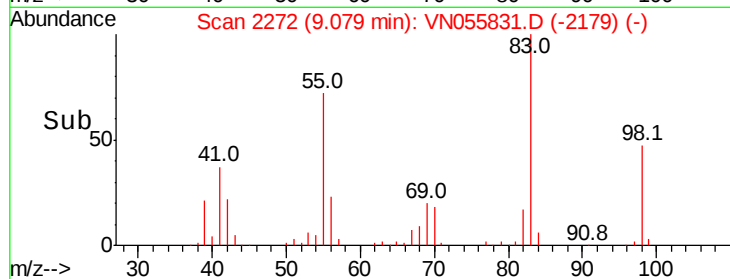
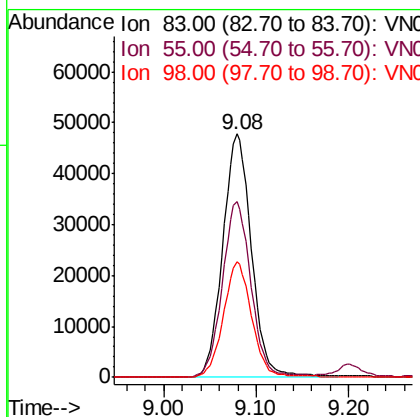
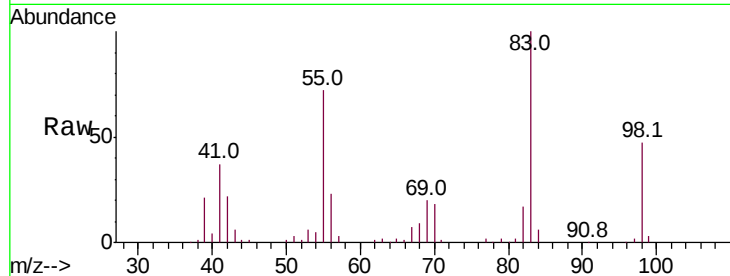
#39
Methvlcvclohexane
Concen: 18.774 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	83	Resp	102715
Ion Ratio	100	Lower	Upper
83	100		
55	72.1	59.3	88.9
98	47.3	36.6	54.8

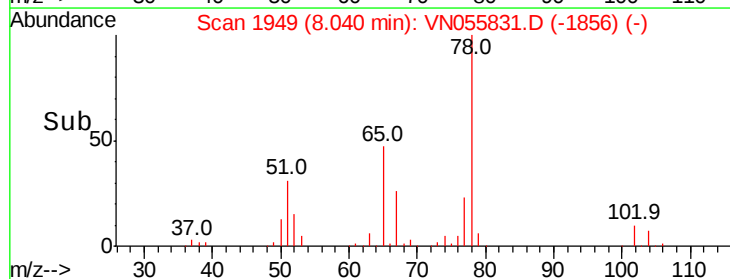
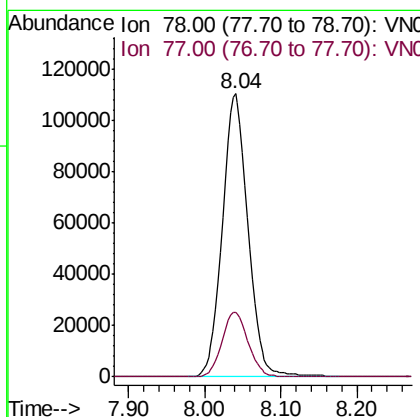
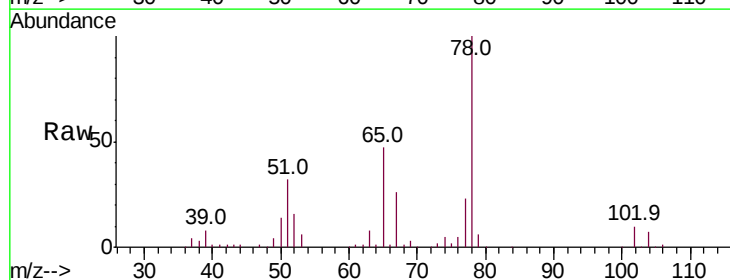
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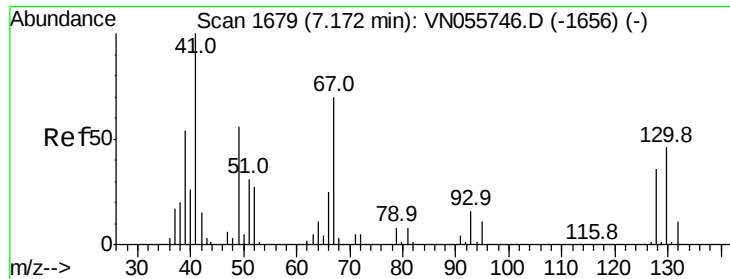
MMDadoda
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#40
Benzene
Concen: 19.529 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	78	Resp	260047
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.8	28.2





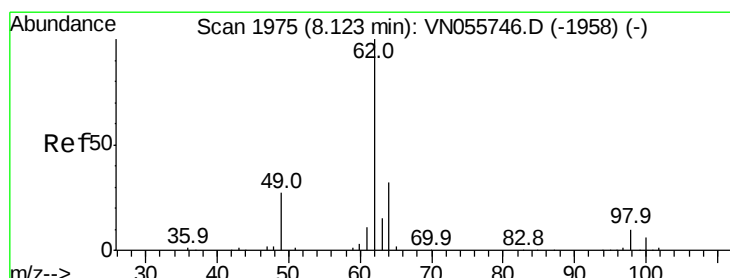
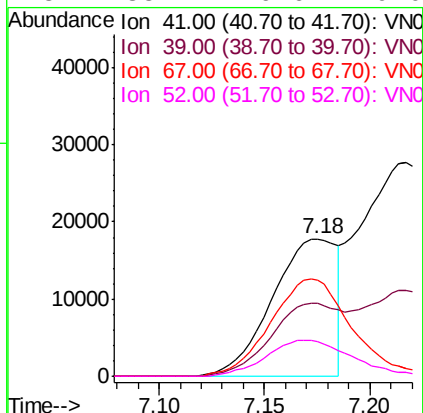
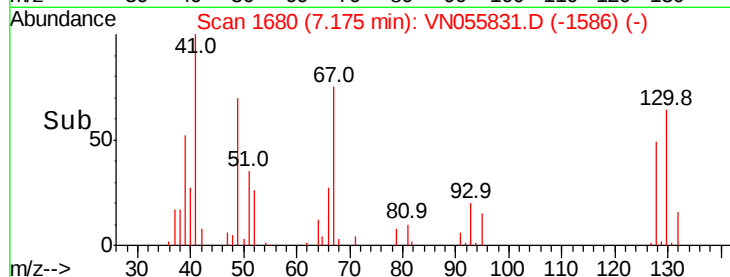
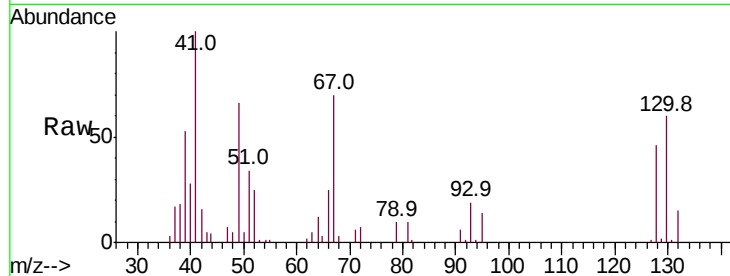
#41
Methacrylonitrile
Concen: 17.597 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:	41	Resp:	37962
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.6	68.4
67	89.6	67.7	101.5
52	35.2	26.6	40.0

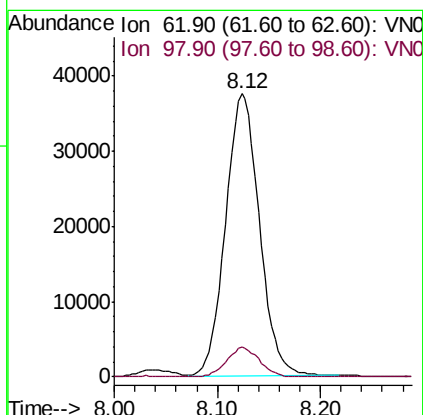
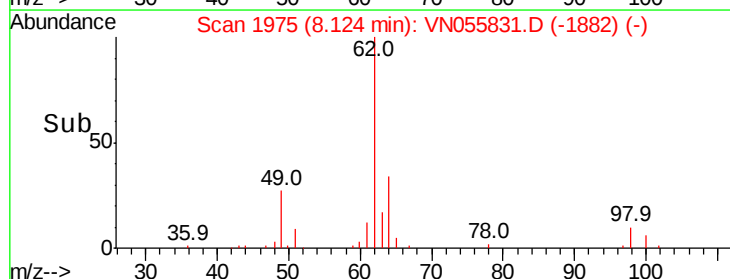
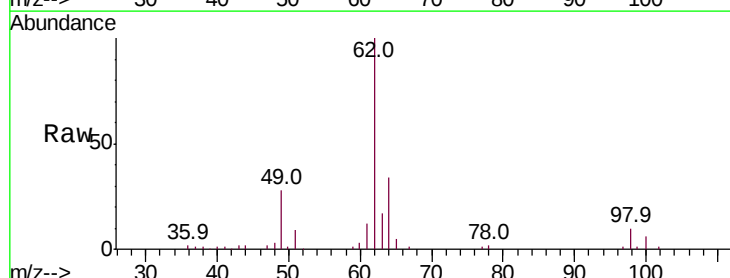
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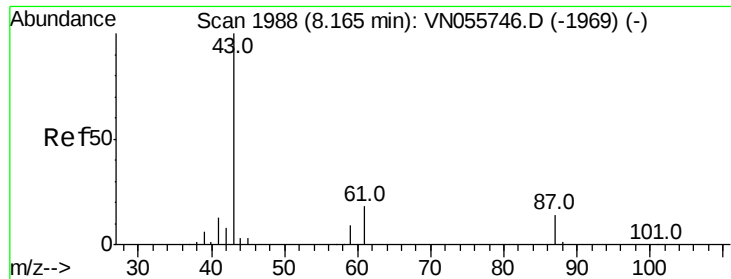
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.770 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:	62	Resp:	86022
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.660 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

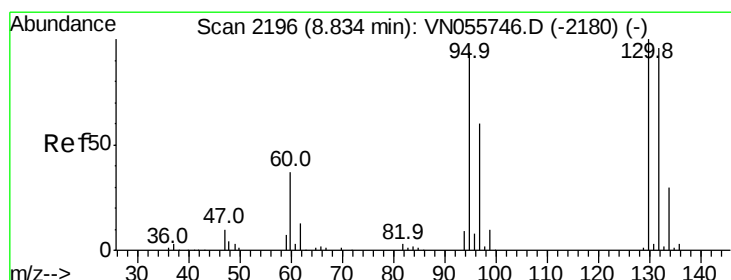
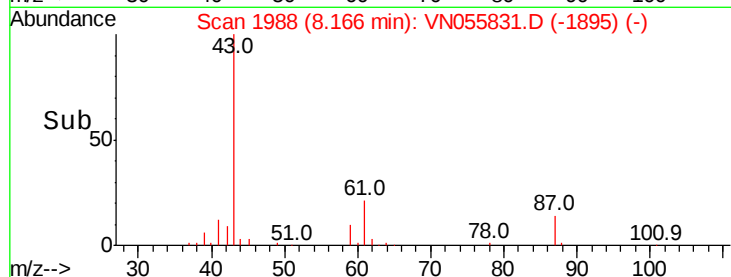
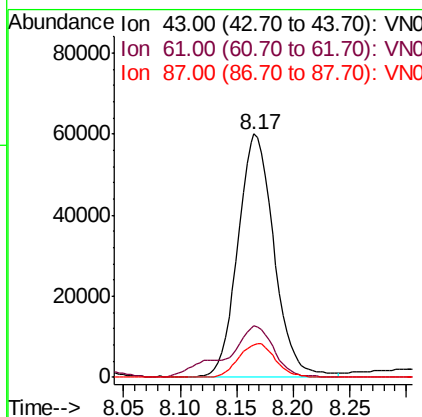
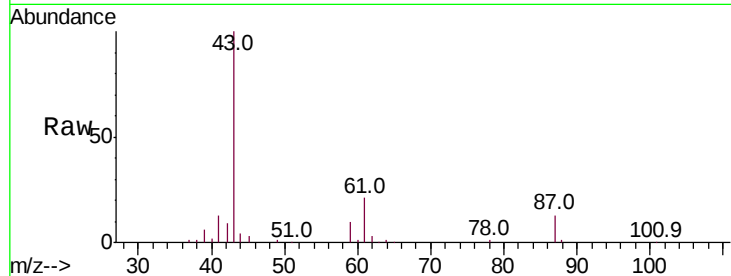
ClientSampleId :

VN0524WBSD03

Tot Ion:	43	Resp:	133882
Ion Ratio		Lower	Upper
43	100		
61	20.2	22.2	33.4#
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 20.292 ug/l

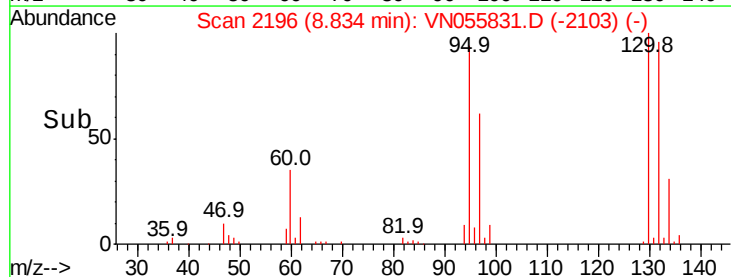
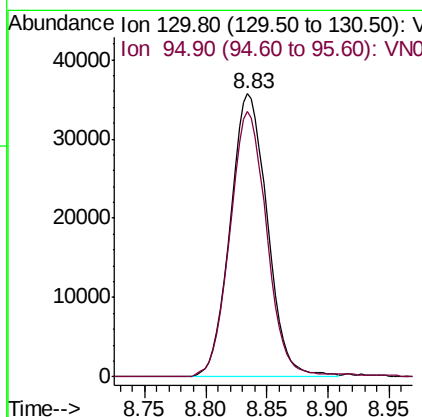
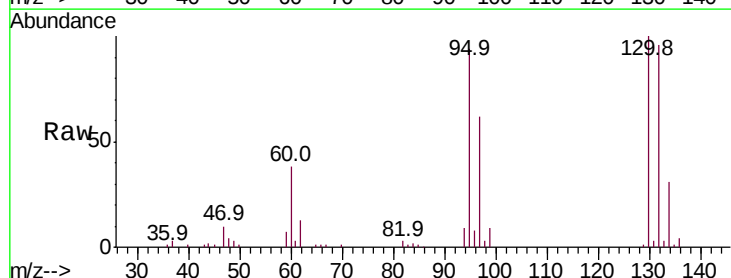
RT: 8.83 min Scan# 2196

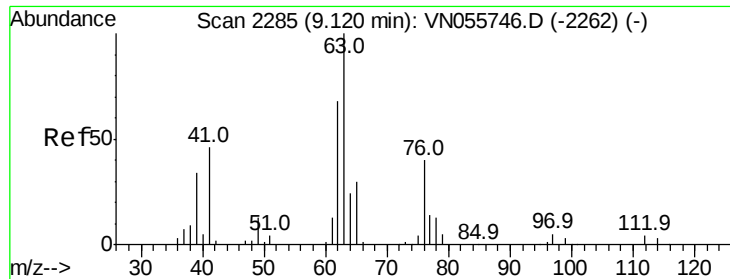
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	130	Resp:	75327
Ion Ratio		Lower	Upper
130	100		
95	93.7	0.0	188.0





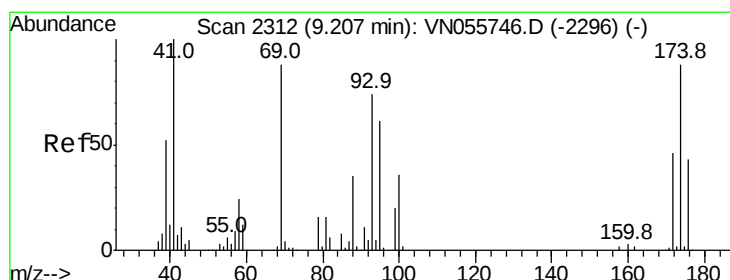
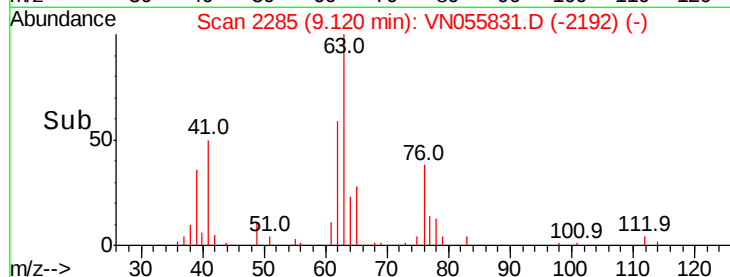
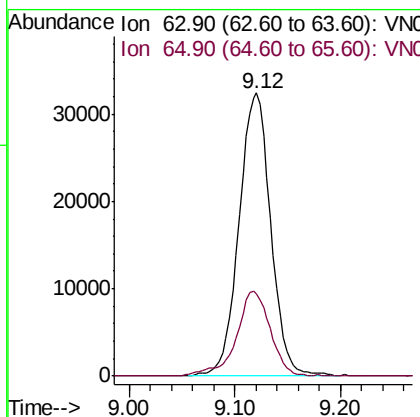
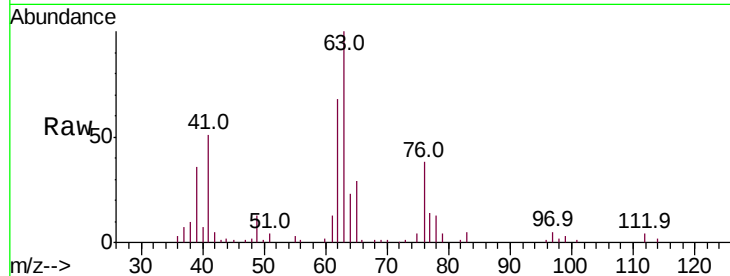
#45
 1,2-Dichloropropane
 Concen: 19.558 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion: 63 Resp: 67851
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.6 36.8

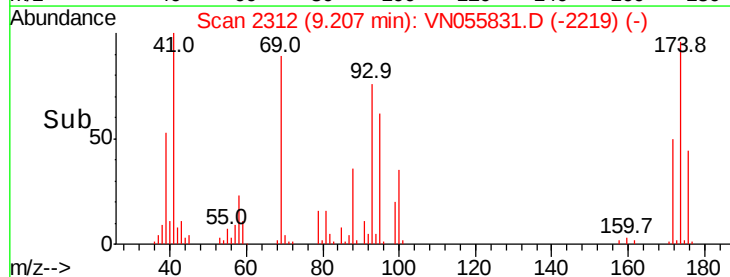
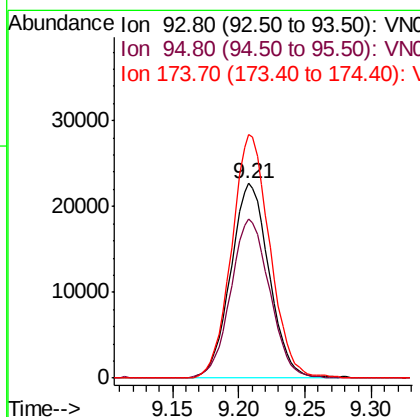
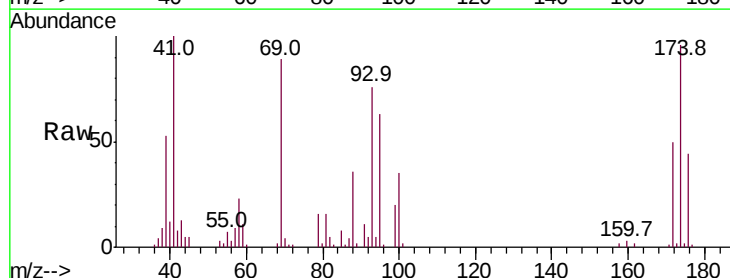
Manual Integrations
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 5/28/2019 10:36:59 AM



#46
 Dibromomethane
 Concen: 20.071 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion: 93 Resp: 45666
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 124.5 96.4 144.6





#47

Bromodichloromethane

Concen: 18.729 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

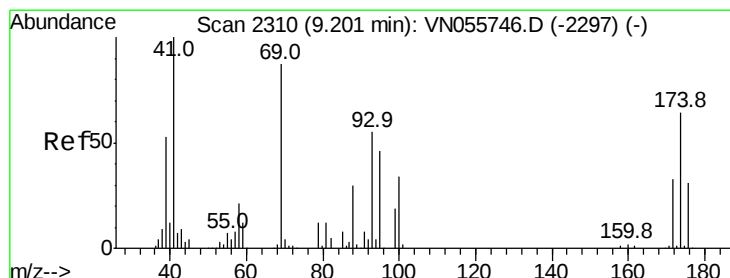
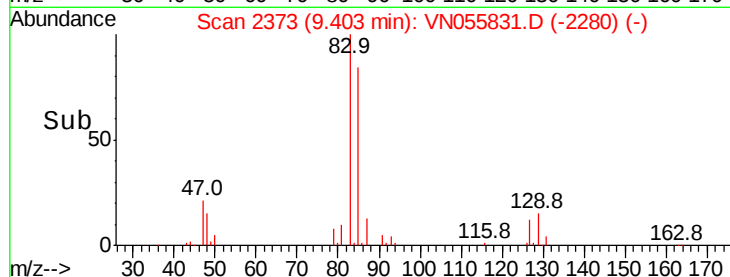
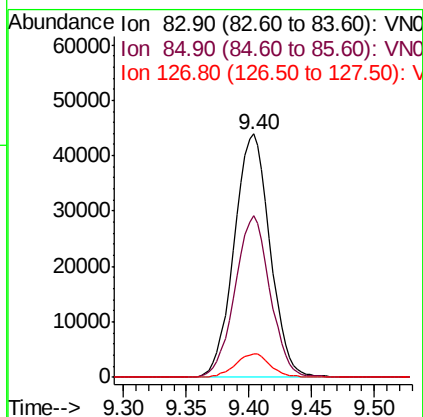
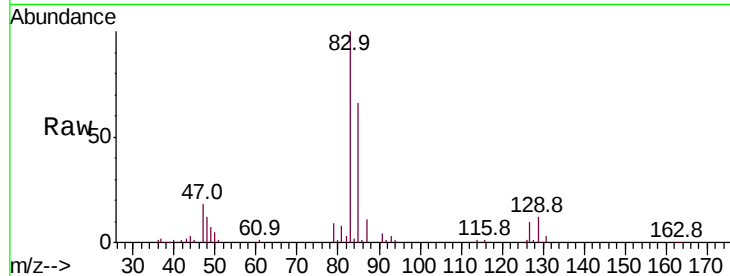
ClientSampleId :

VN0524WBSD03

Tot Ion:	83	Resp:	87379
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.2	78.2
127	9.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.817 ug/l

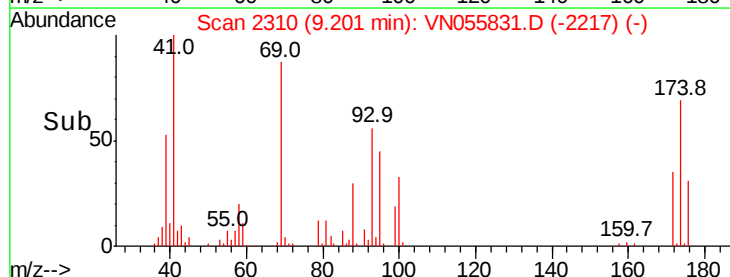
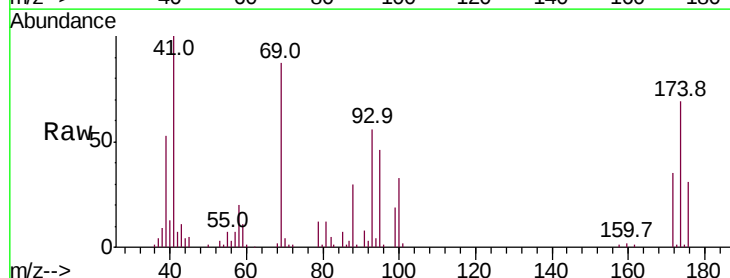
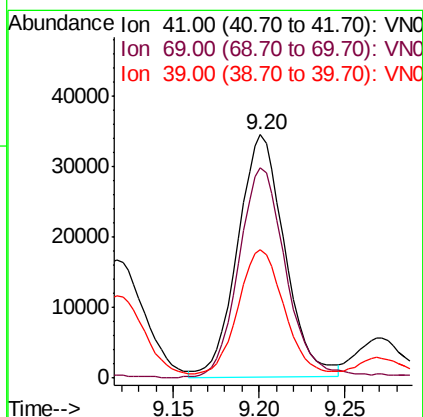
RT: 9.20 min Scan# 2310

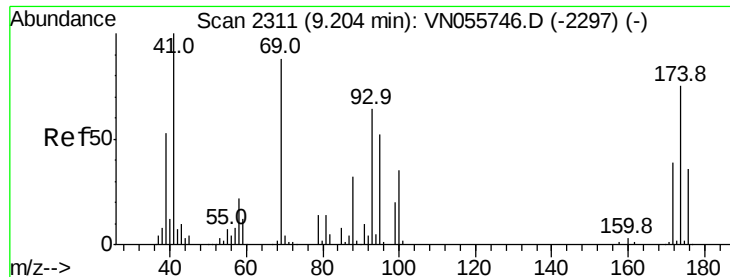
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	41	Resp:	65527
Ion Ratio	Lower	Upper	
41	100		
69	87.8	71.0	106.6
39	52.7	44.2	66.2





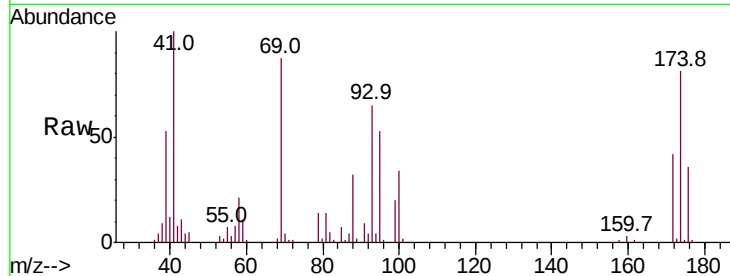
#49
 1,4-Dioxane
 Concen: 394.094 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion	88	Resp	27080
Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.5	30.7
58	66.1	55.8	83.6

Manual Integrations
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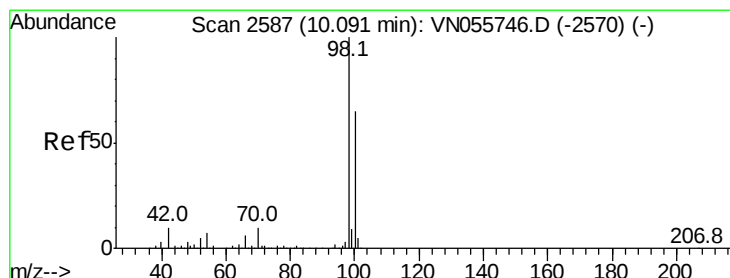
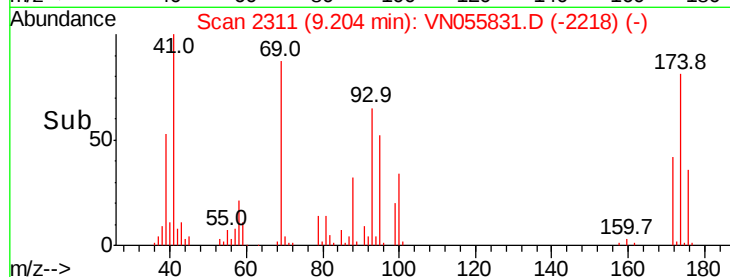
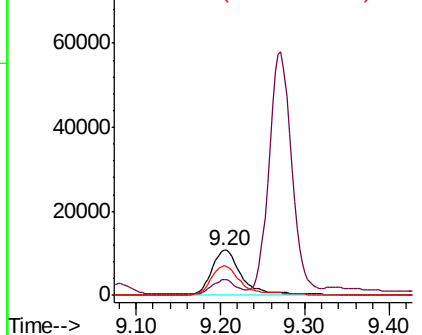


Abundance

Ion 88.00 (87.70 to 88.70): VN0

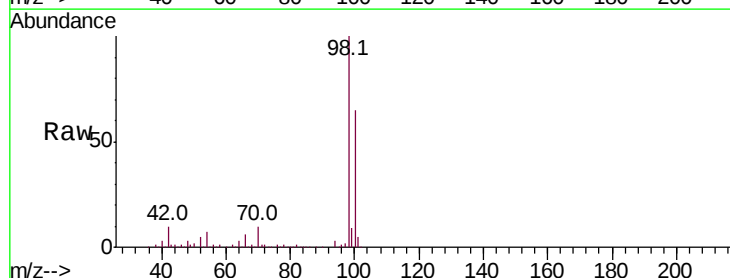
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 49.462 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

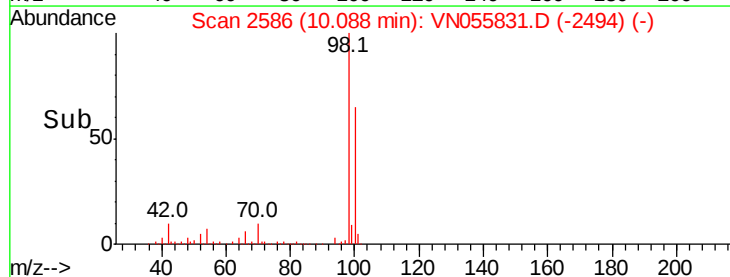
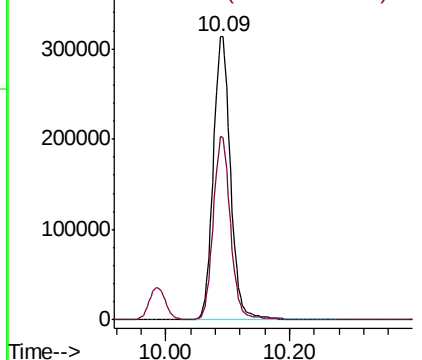
Tgt Ion	98	Resp	608164
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9

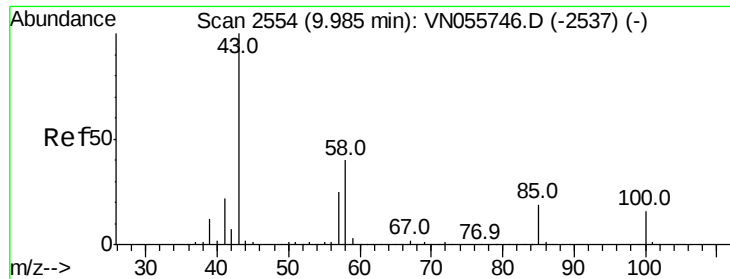


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.469 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tot Ion: 43 Resp: 408776

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1

Instrument :

MSVOA_N

ClientSampleID :

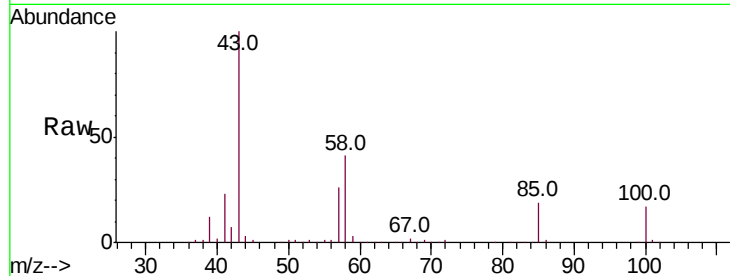
VN0524WBSD03

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

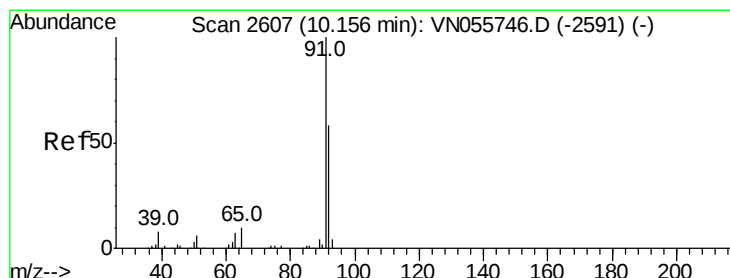
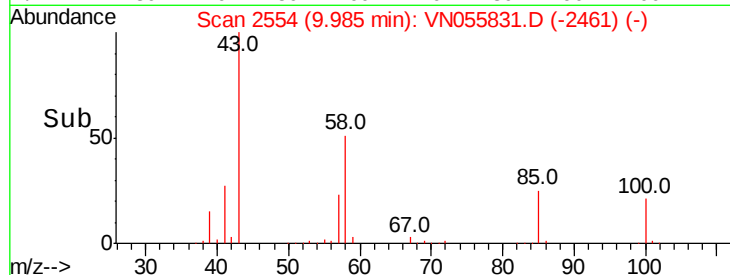
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.088 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055831.D

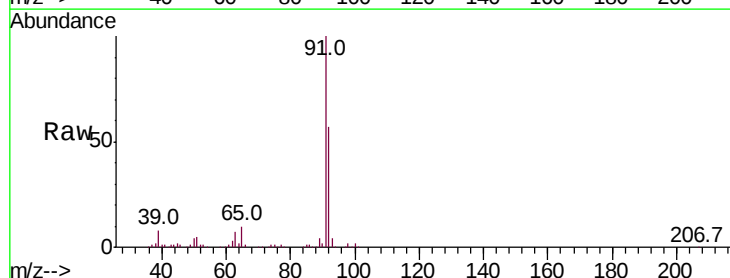
Acq: 25 May 2019 6:44

Tgt Ion: 92 Resp: 168228

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

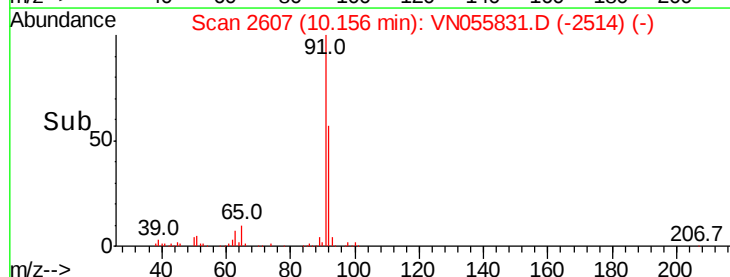
50000

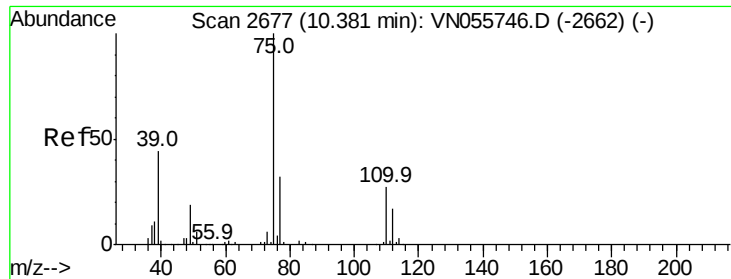
0

10.10

10.20

Time-->





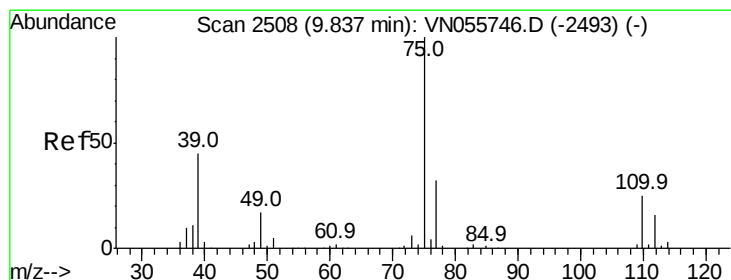
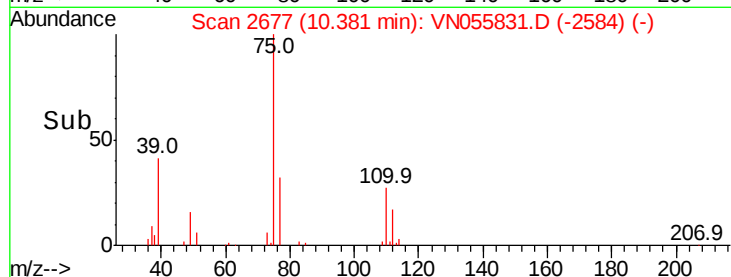
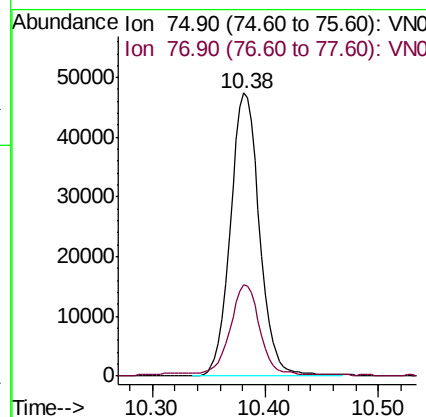
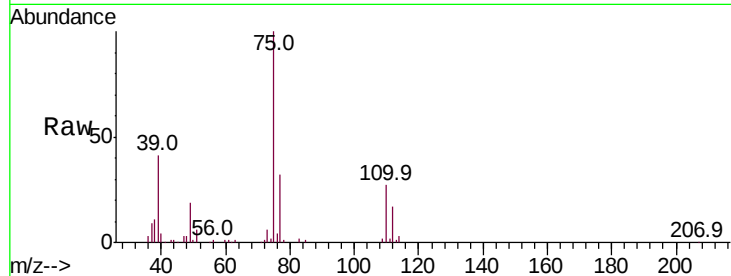
#53
t-1,3-Dichloropropene
Concen: 17.079 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6

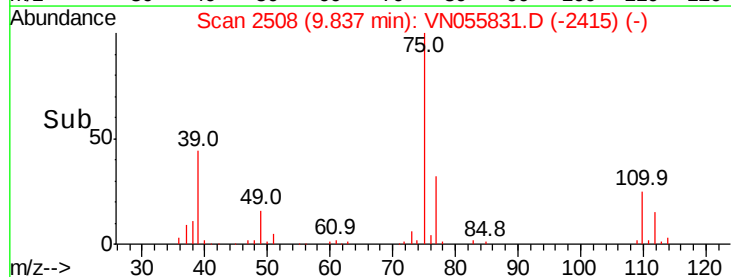
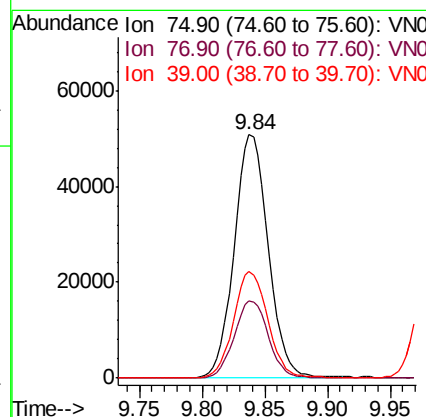
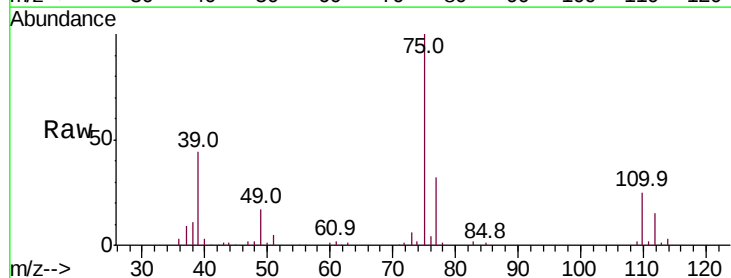
Manual Integrations
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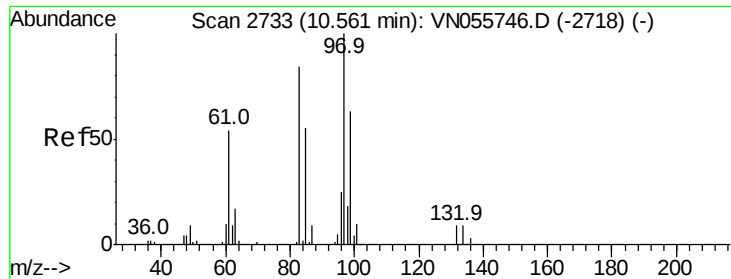
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.396 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	43.7	36.3	54.5





#55

1,1,2-Trichloroethane

Concen: 20.153 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

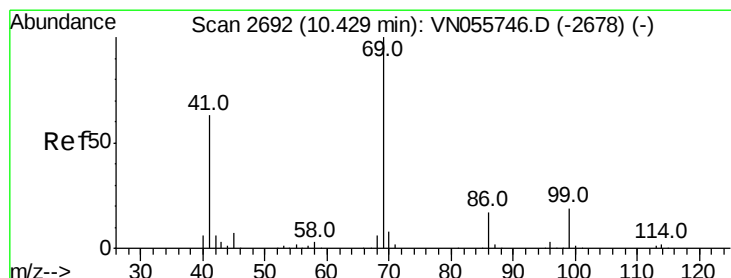
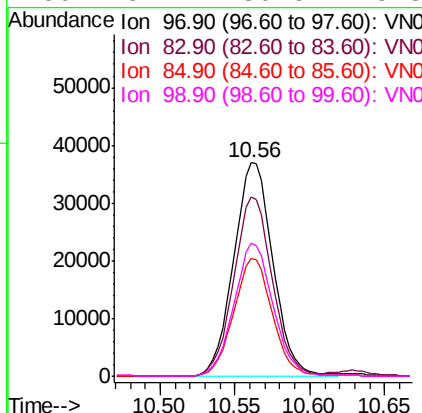
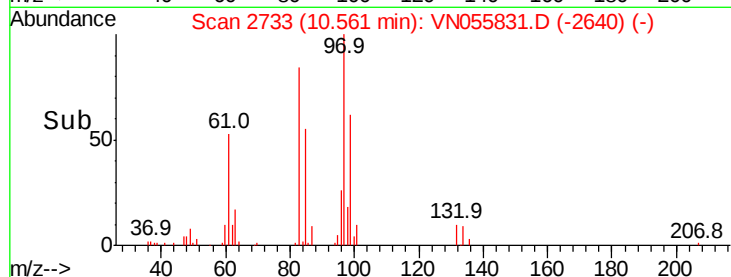
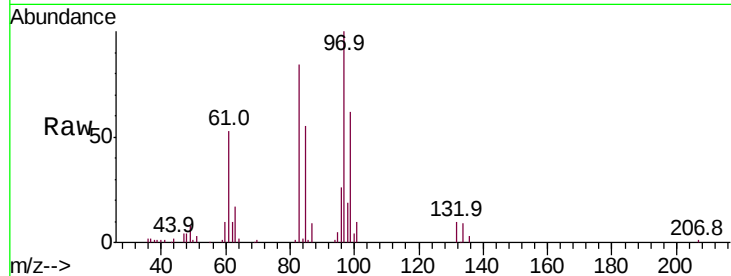
ClientSampleId :

VN0524WBSD03

Tot Ion:	97	Resp:	67611
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.0	100.6
85	55.0	44.0	66.0
99	62.1	50.6	75.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.457 ug/l

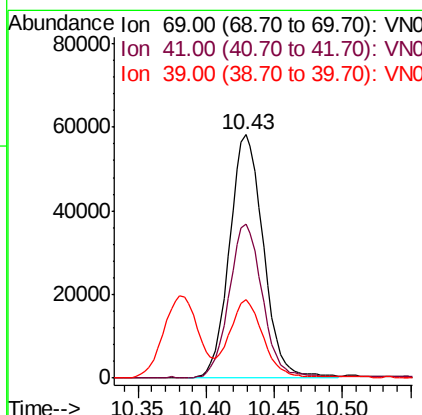
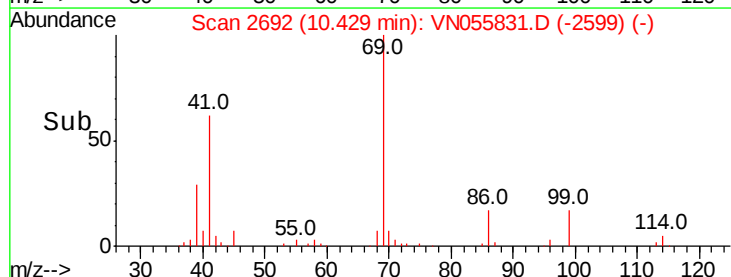
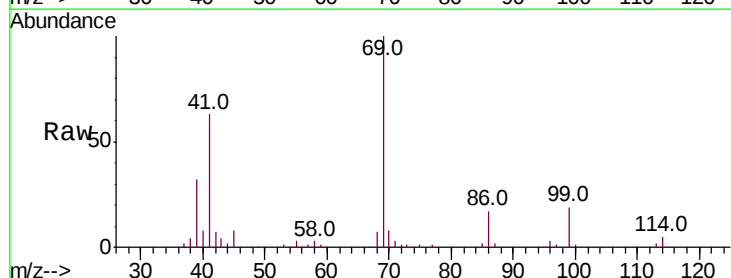
RT: 10.43 min Scan# 2692

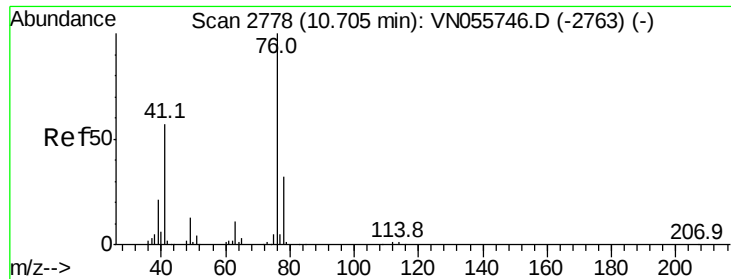
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	69	Resp:	100887
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.7	74.5
39	30.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.579 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 76 Resp: 106773

Ion Ratio Lower Upper

76 100

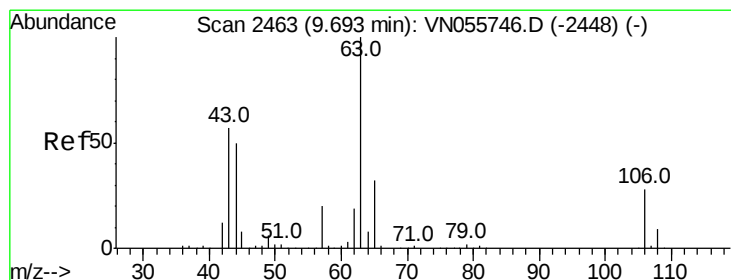
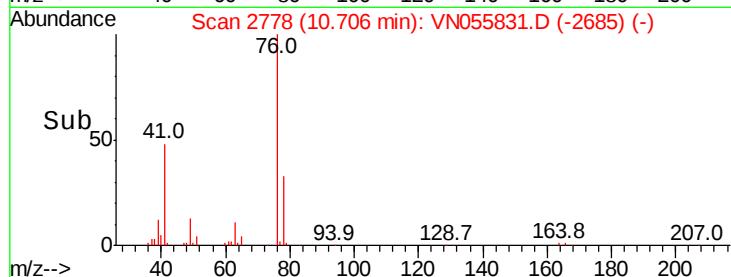
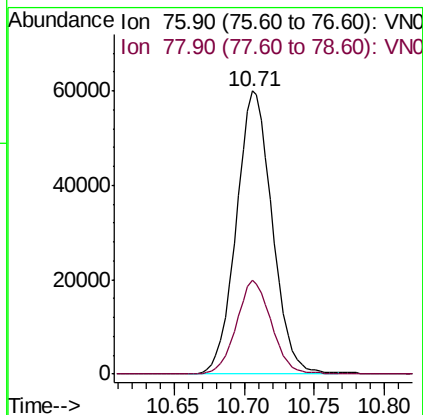
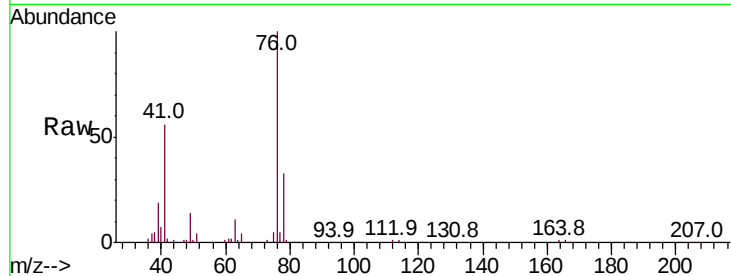
78 32.5 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 84.990 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055831.D

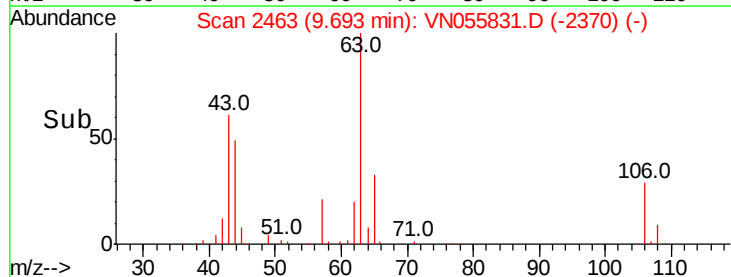
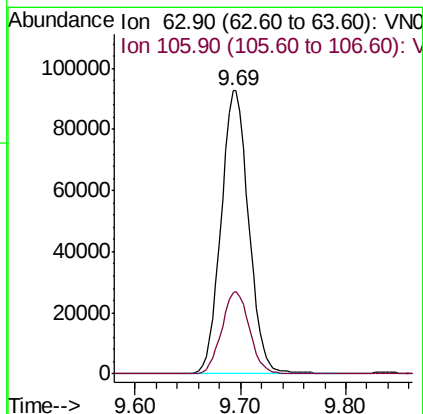
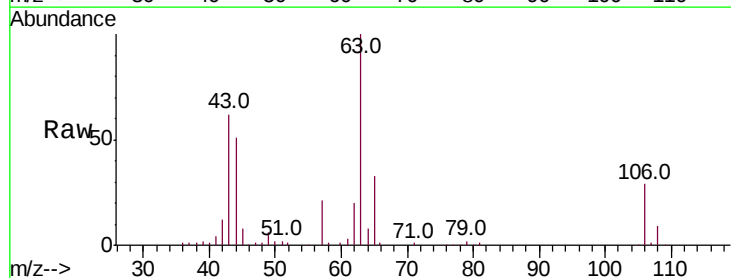
Acq: 25 May 2019 6:44

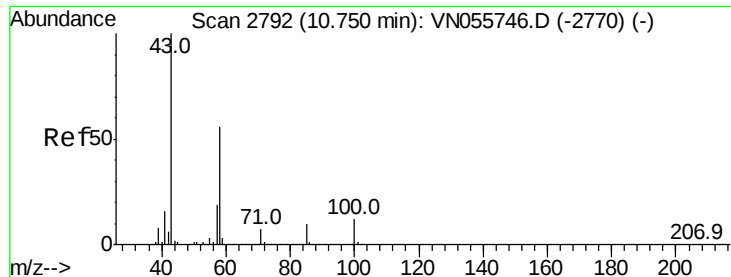
Tgt Ion: 63 Resp: 168407

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1





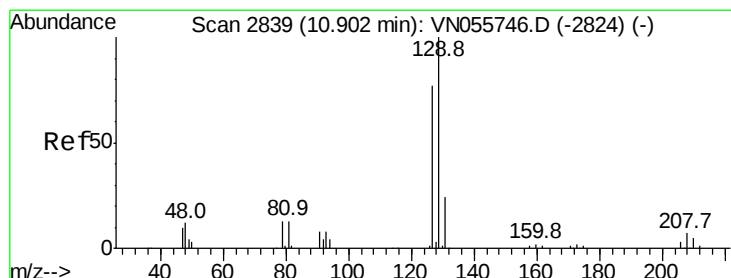
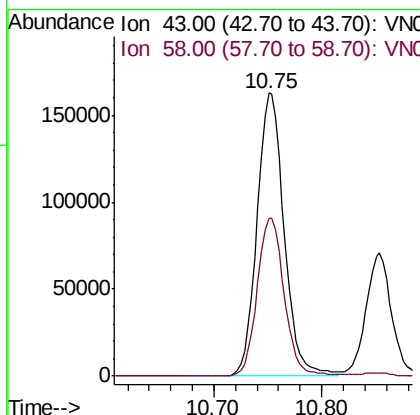
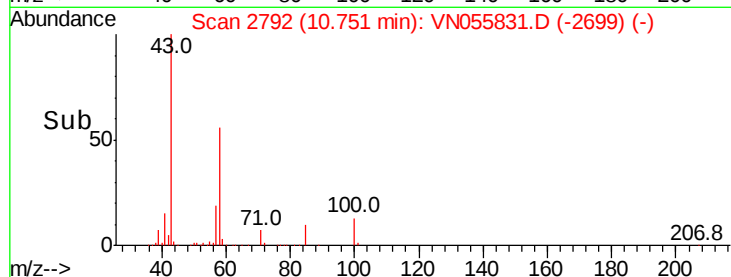
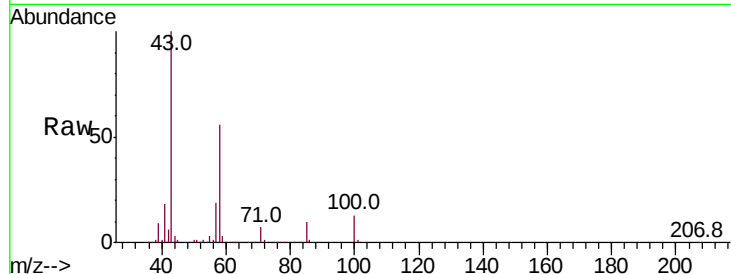
#59
2-Hexanone
Concen: 94.356 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion: 43 Resp: 283638
Ion Ratio Lower Upper
43 100
58 55.7 28.2 84.7

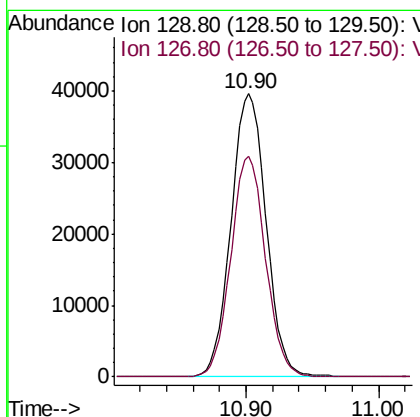
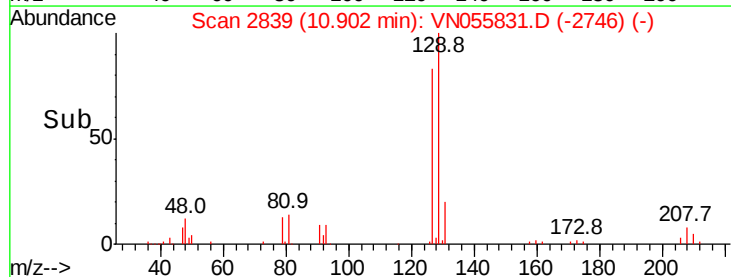
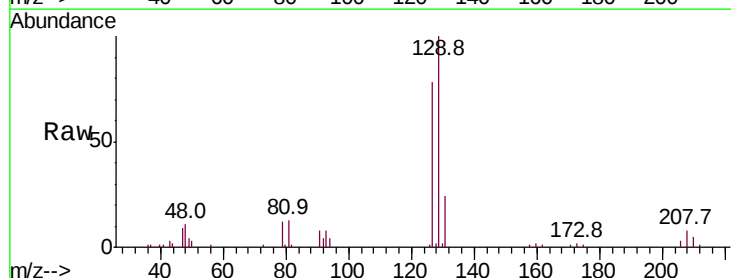
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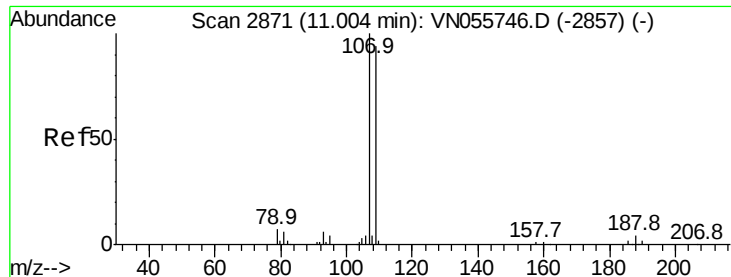
MMDadoda
5/28/2019 10:36:59 AM



#60
Dibromochloromethane
Concen: 18.610 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 129 Resp: 72733
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





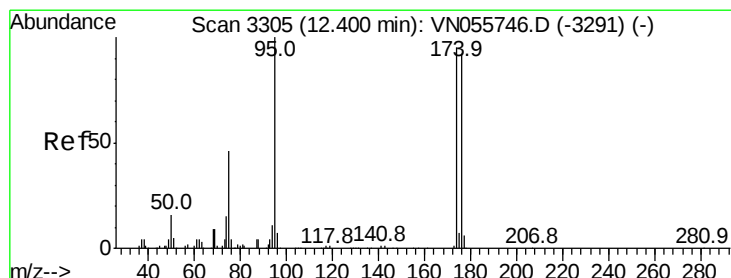
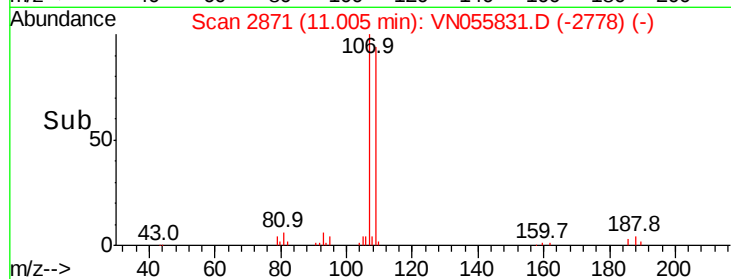
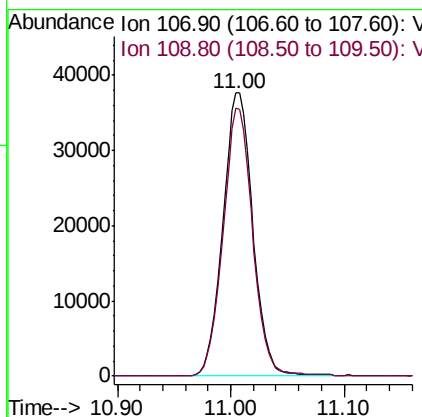
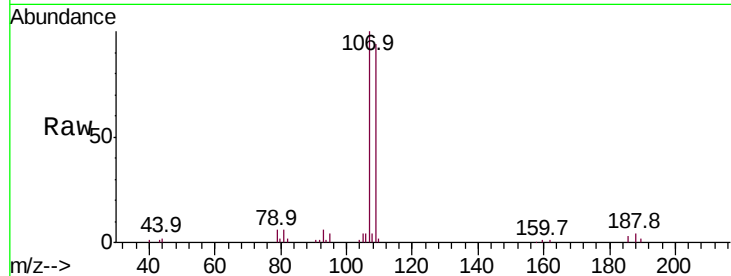
#61
 1,2-Dibromoethane
 Concen: 19.869 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.8	112.2

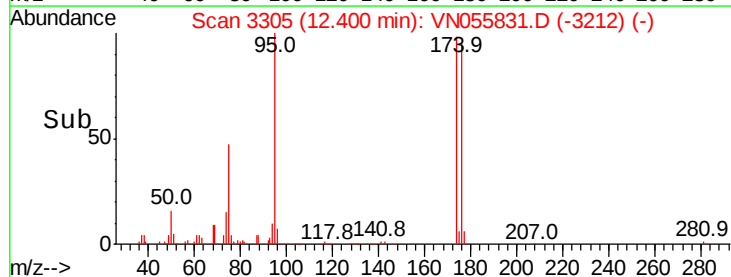
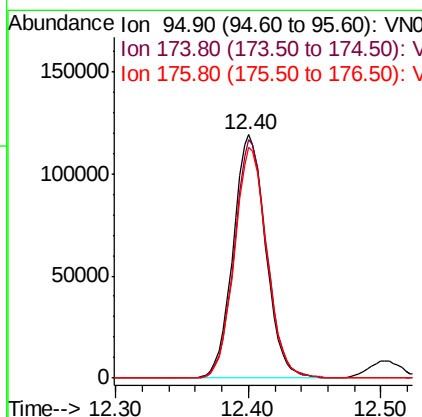
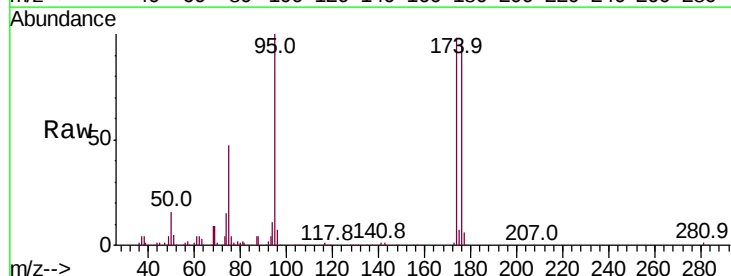
Manual Integrations
 APPROVED

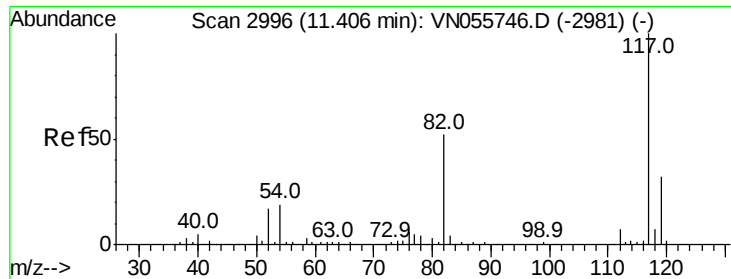
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 5/28/2019 10:36:59 AM



#62
 4-Bromofluorobenzene
 Concen: 47.986 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.8	0.0	191.0
176	94.8	0.0	185.2





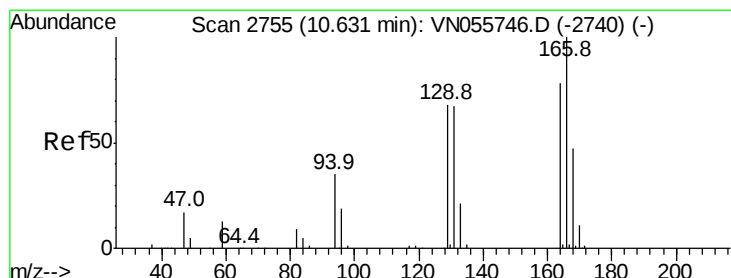
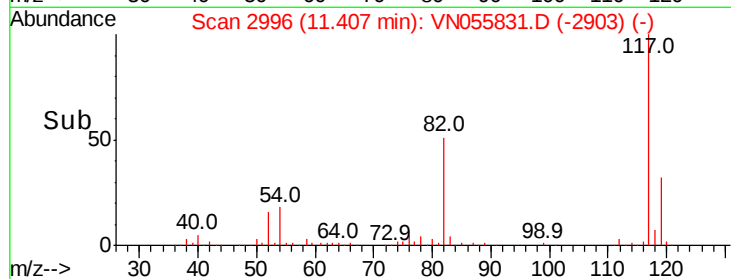
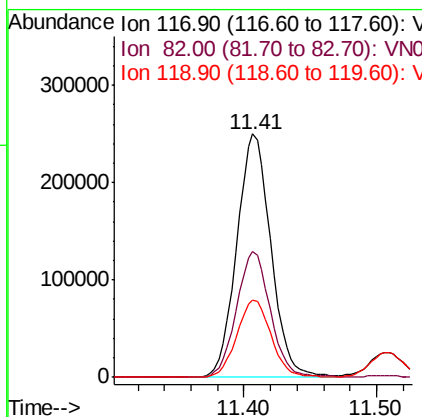
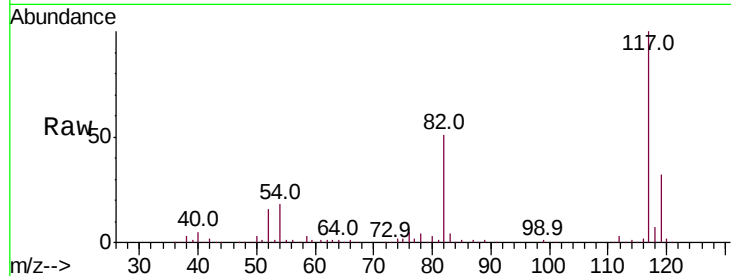
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	31.7	25.4	38.0

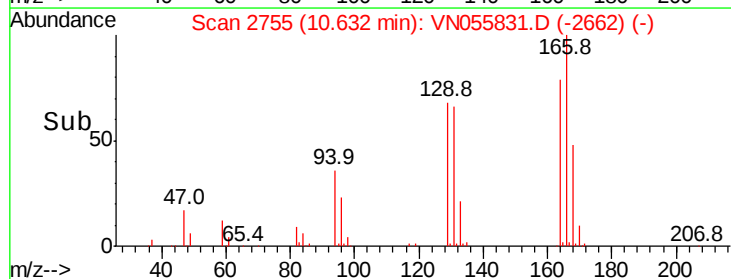
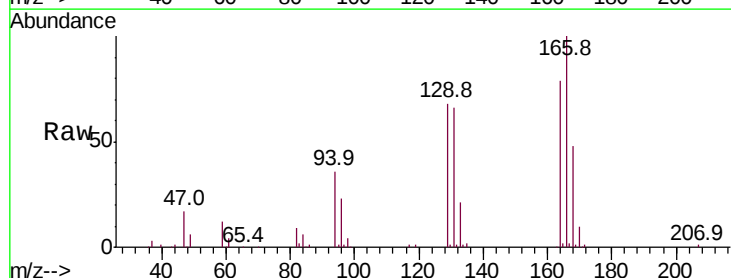
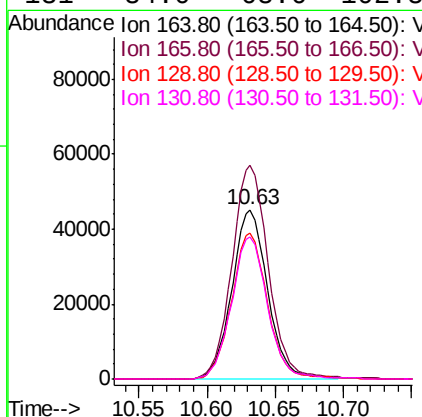
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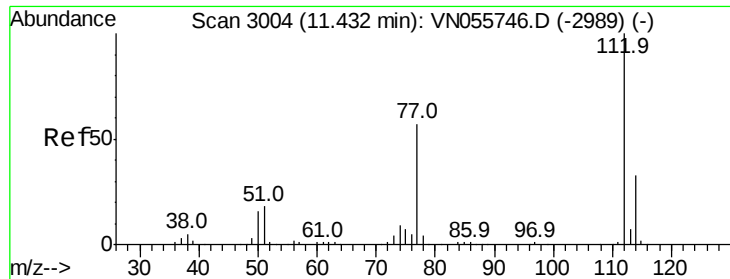
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#64
Tetrachloroethene
Concen: 21.795 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.0	154.6
129	86.5	70.6	105.8
131	84.0	68.6	102.8





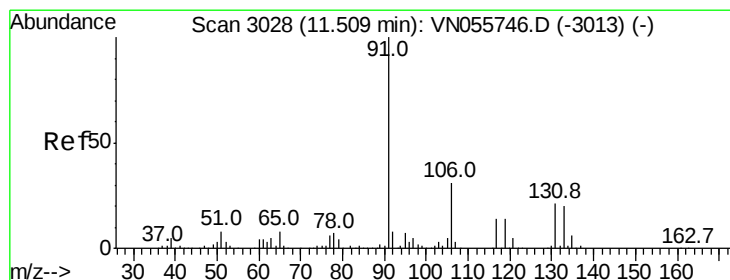
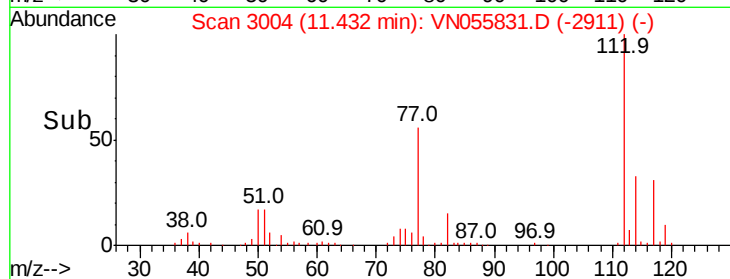
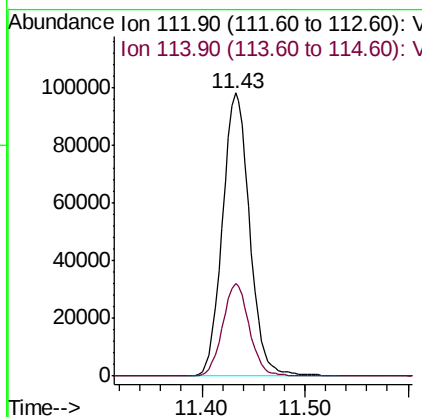
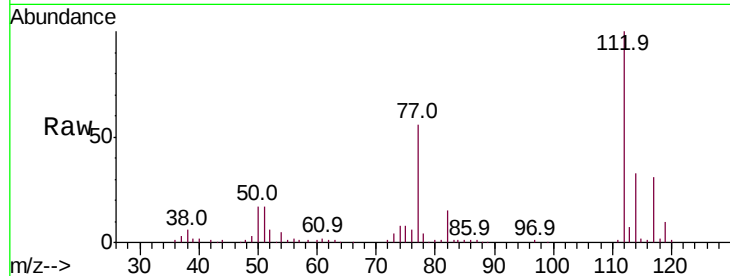
#65
Chlorobenzene
Concen: 20.109 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:112 Resp: 180196
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

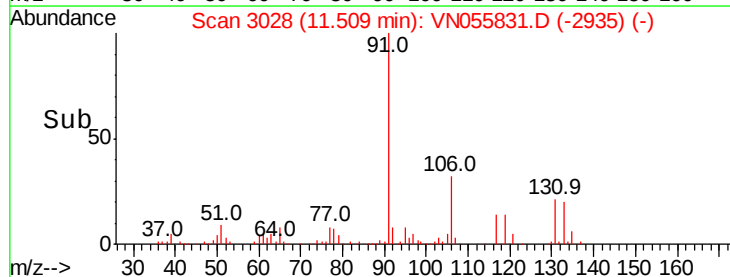
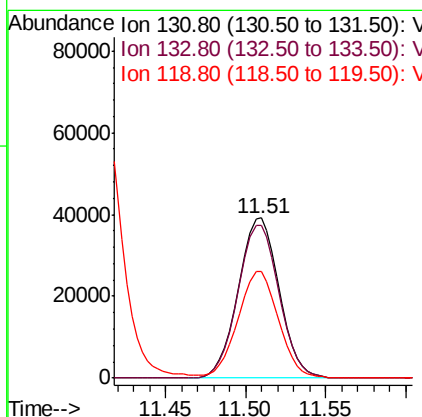
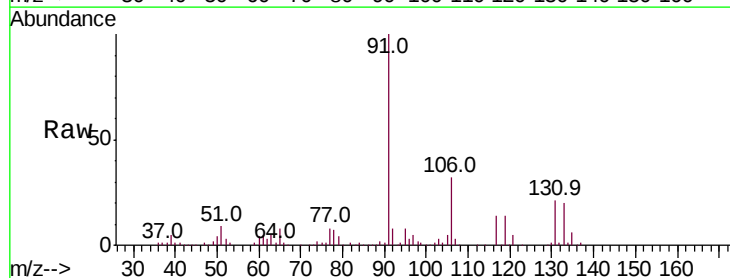
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.103 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:131 Resp: 68273
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 66.3 33.1 99.5





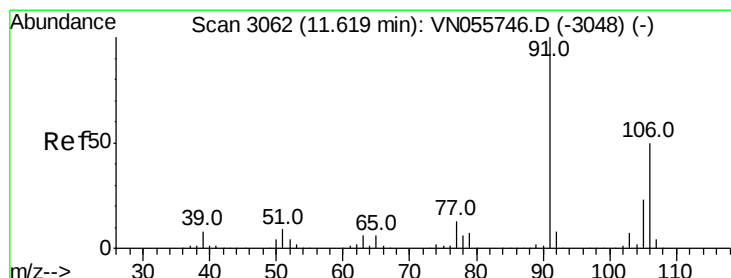
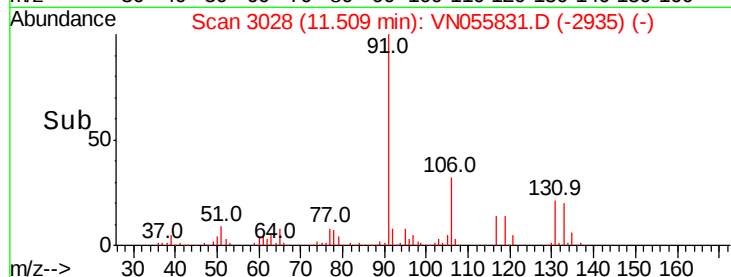
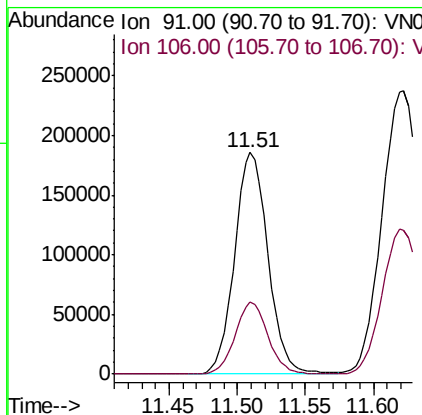
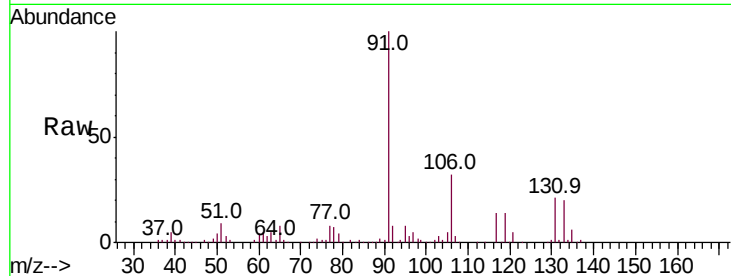
#67
Ethyl Benzene
Concen: 19.650 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD03

Tot Ion: 91 Resp: 315772
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7

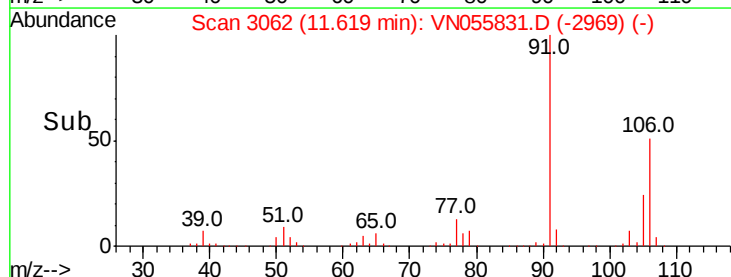
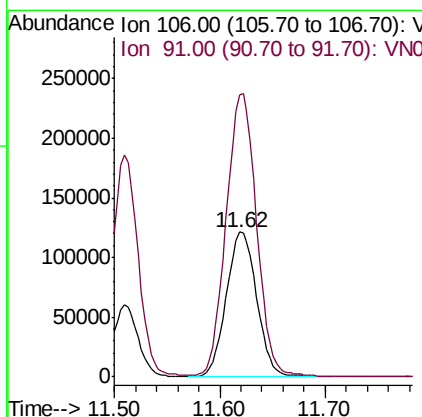
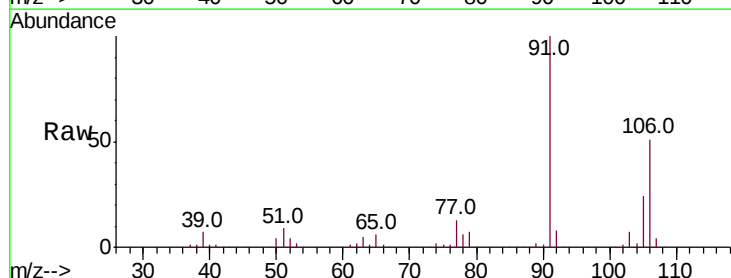
Manual Integrations
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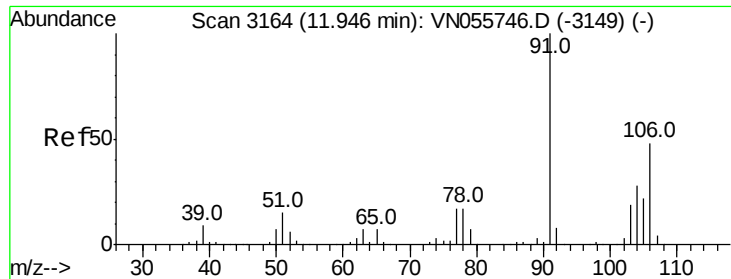
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#68
m/p-Xylenes
Concen: 39.955 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 106 Resp: 242735
Ion Ratio Lower Upper
106 100
91 195.8 159.3 238.9





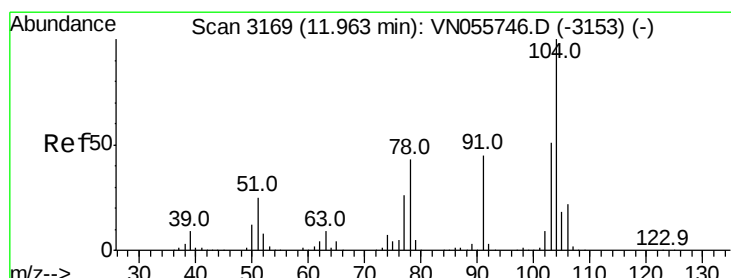
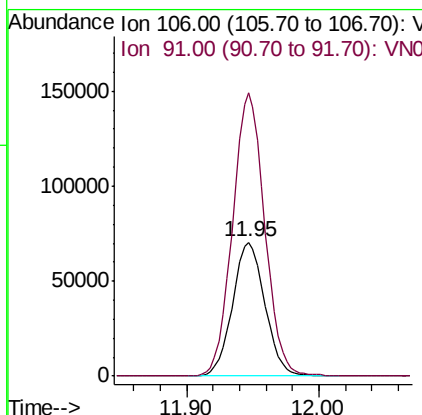
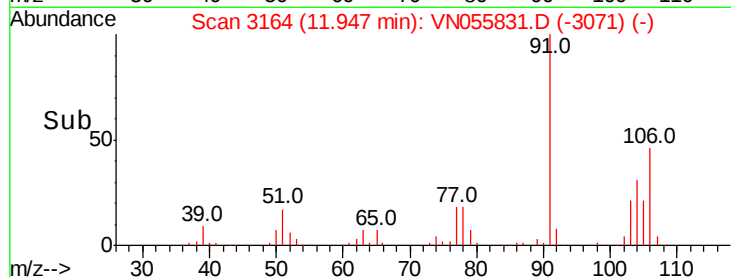
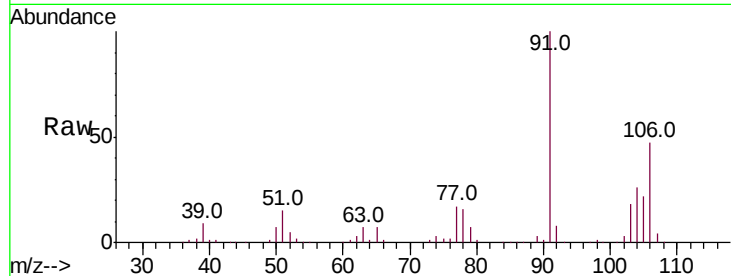
#69
o-Xylene
Concen: 19.815 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:106 Resp: 119430
Ion Ratio Lower Upper
106 100
91 209.4 104.7 314.1

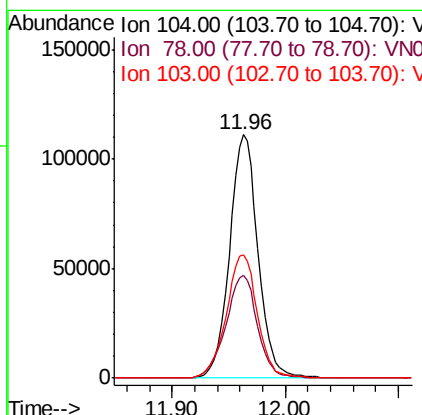
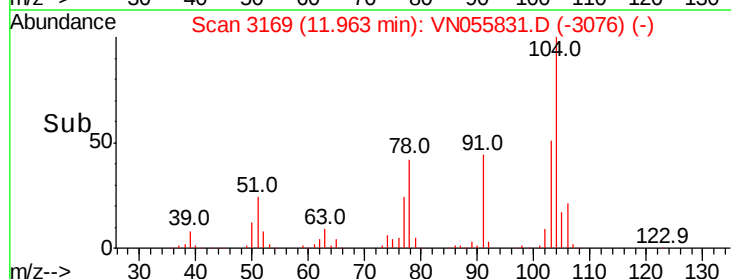
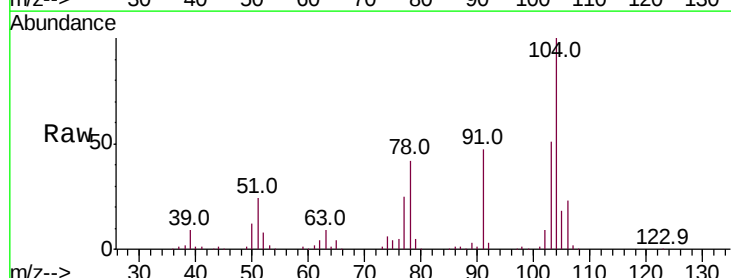
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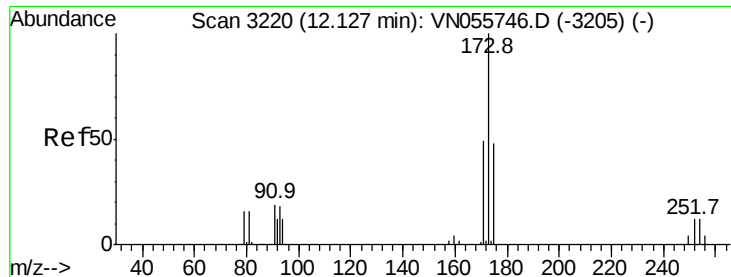
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#70
Styrene
Concen: 19.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:104 Resp: 193810
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.5 44.2 66.2





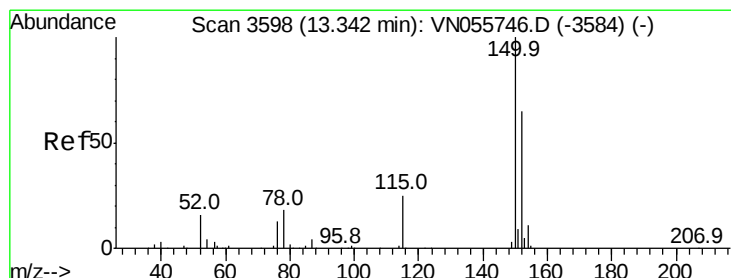
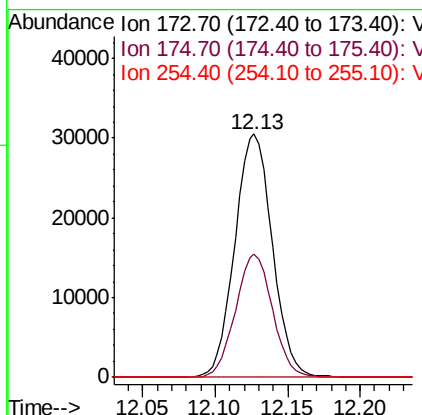
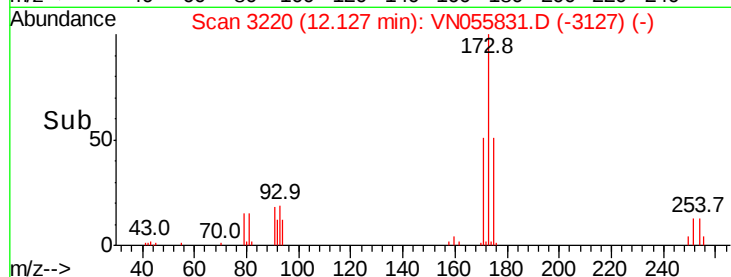
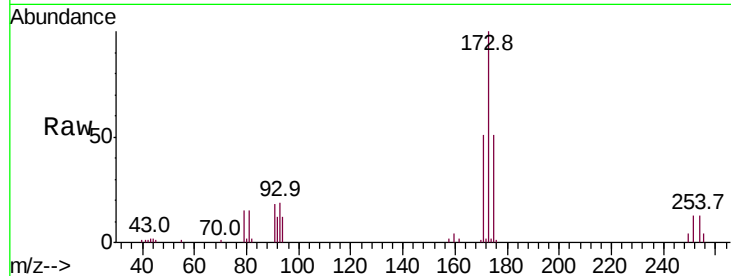
#71
Bromoform
Concen: 18.007 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0

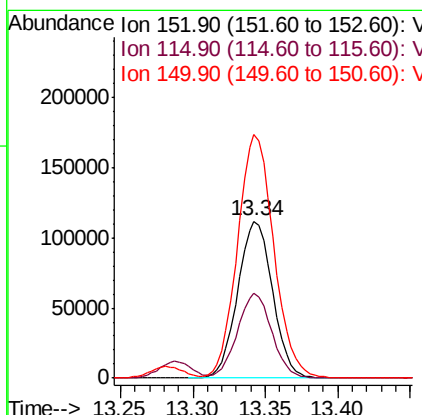
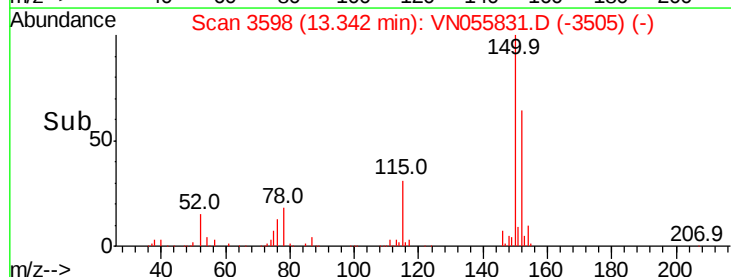
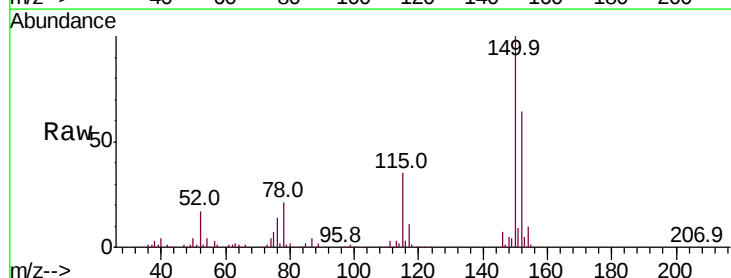
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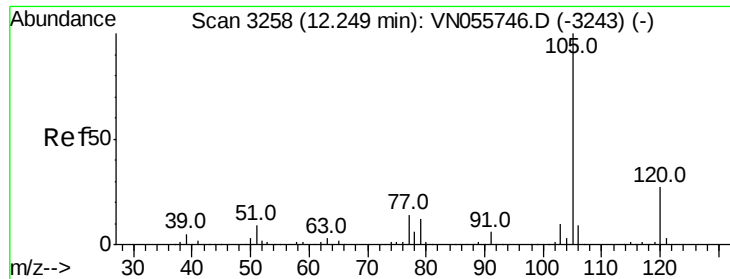
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.0	81.0
150	161.7	0.0	343.2





#73

Isopropylbenzene

Concen: 22.282 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tot Ion: 105 Resp: 316375

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

Instrument :

MSVOA_N

ClientSampleId :

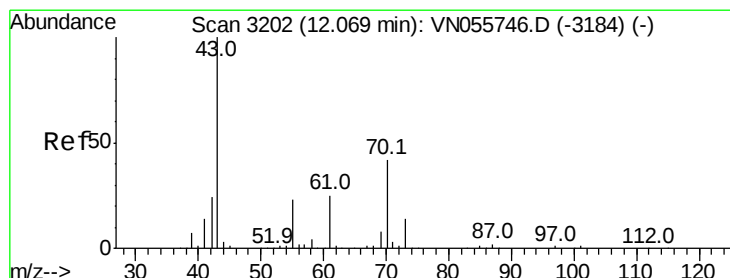
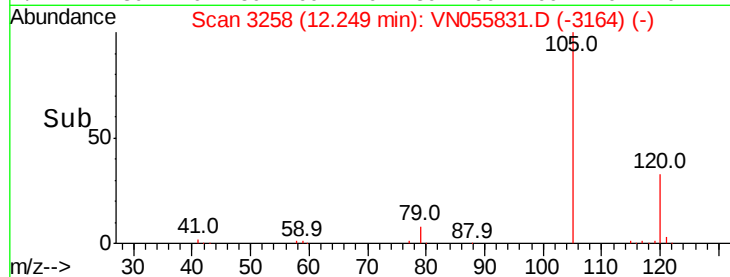
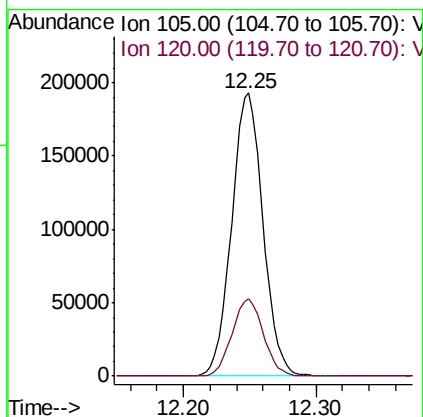
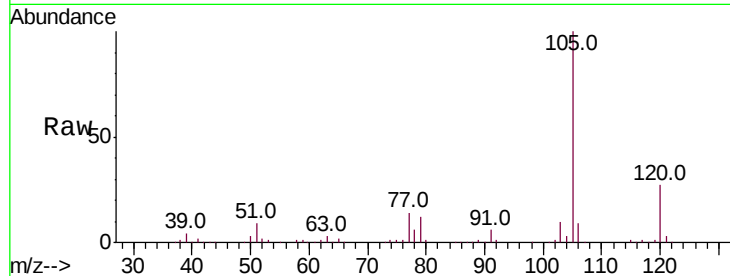
VN0524WBSD03

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#74

N-ethyl acetate

Concen: 19.705 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion: 43 Resp: 106880

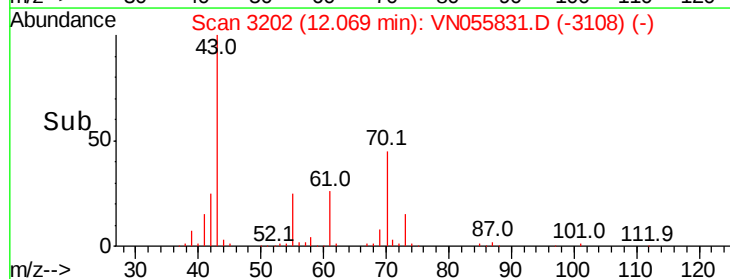
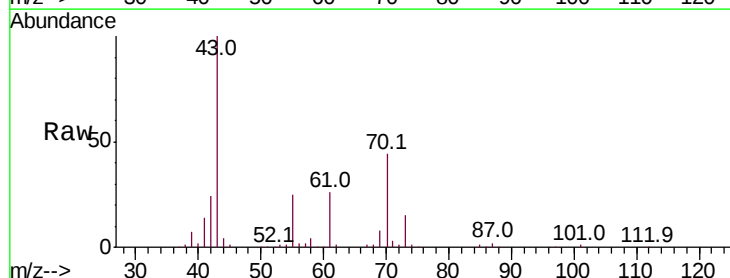
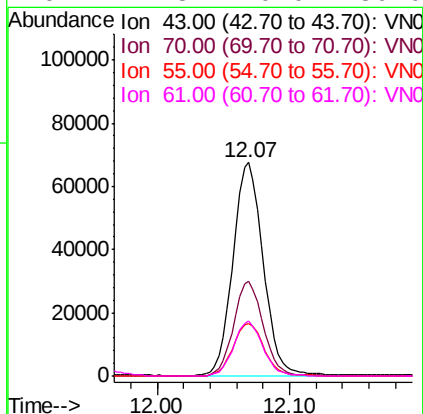
Ion Ratio Lower Upper

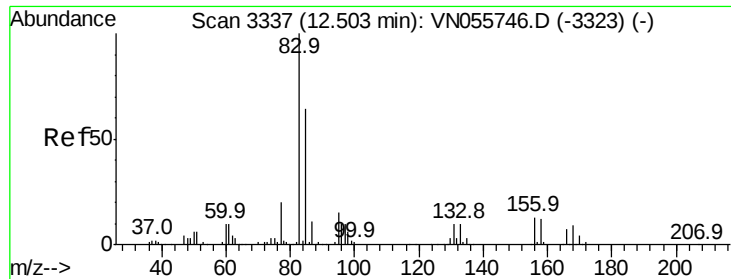
43 100

70 43.7 34.0 51.0

55 25.3 18.6 28.0

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.358 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

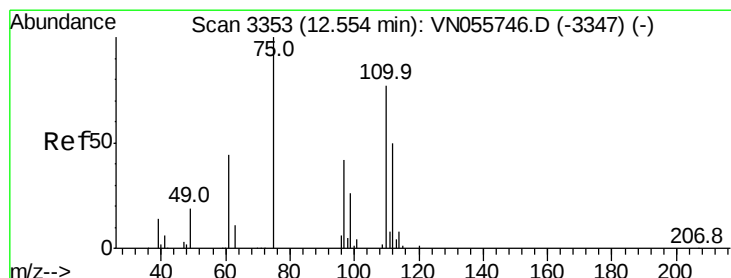
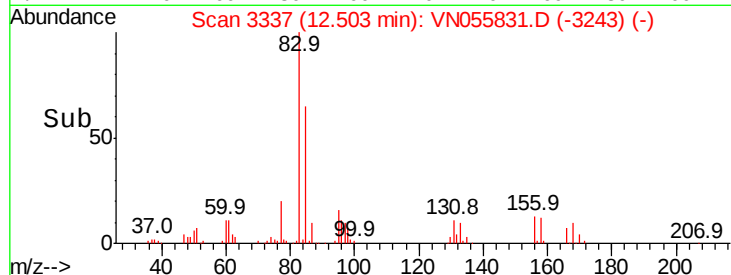
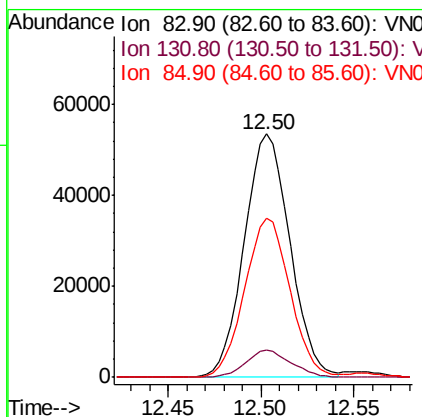
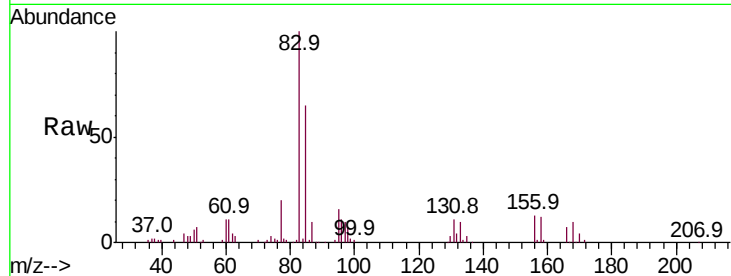
ClientSampled :

VN0524WBSD03

Tot Ion:	83	Resp:	91709
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.311 ug/l m

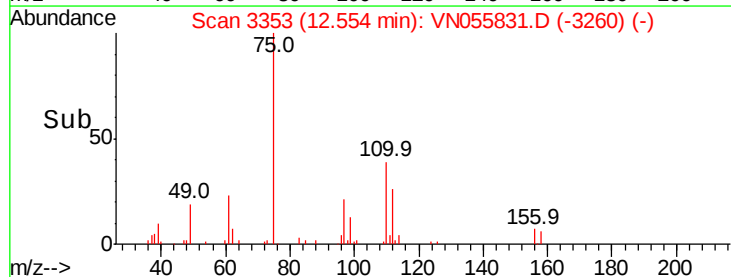
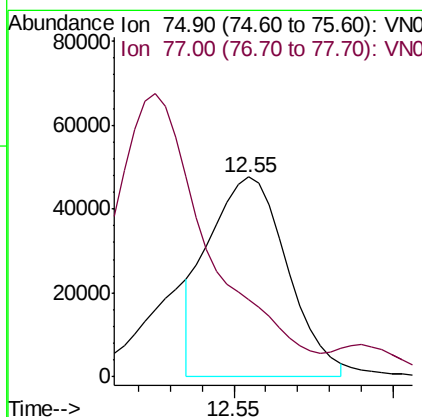
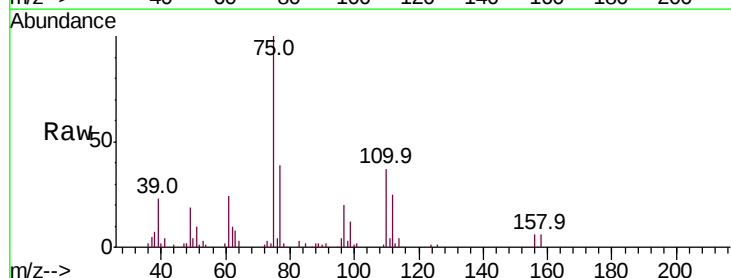
RT: 12.55 min Scan# 3353

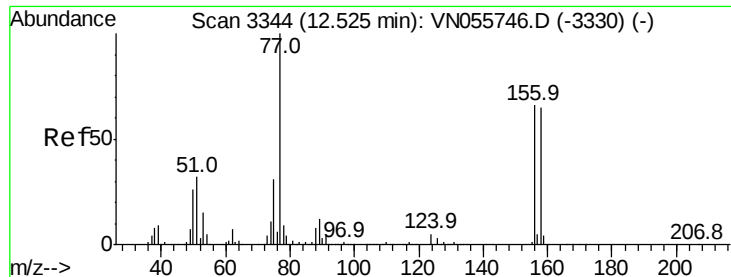
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	75	Resp:	80552
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.897 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion:156 Resp: 83471

Ion Ratio Lower Upper

156 100

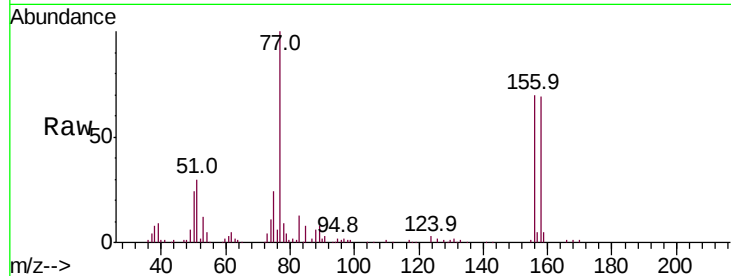
77 171.3 90.8 272.5

158 98.5 49.3 147.8

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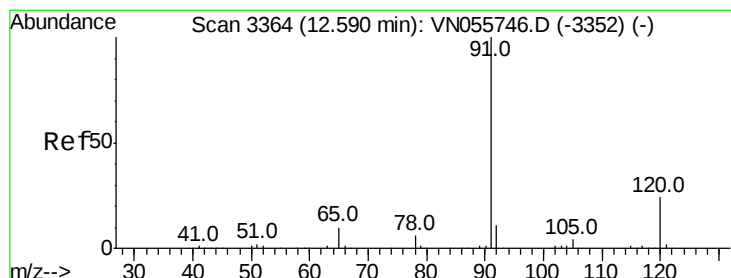
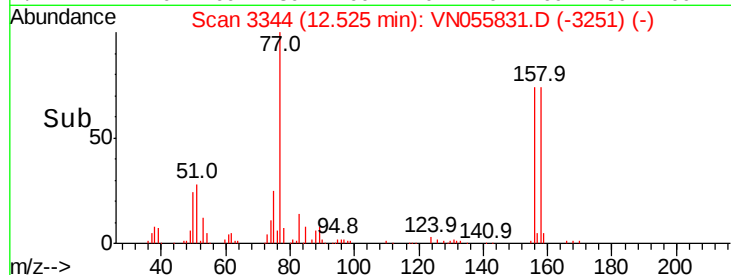
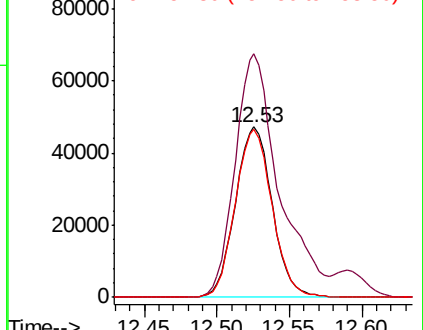
5/28/2019 10:36:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.971 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055831.D

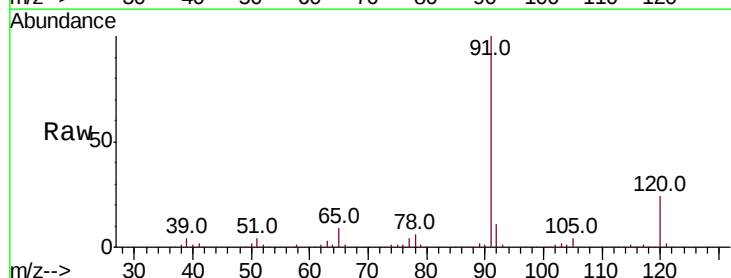
Acq: 25 May 2019 6:44

Tgt Ion: 91 Resp: 324903

Ion Ratio Lower Upper

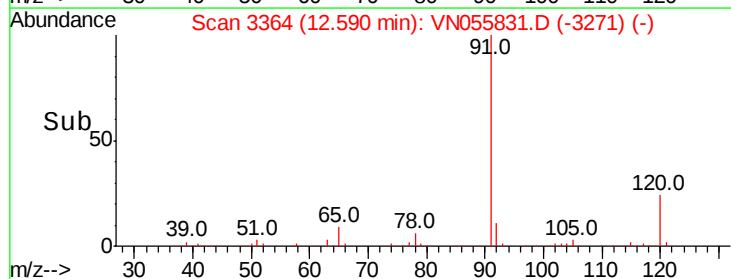
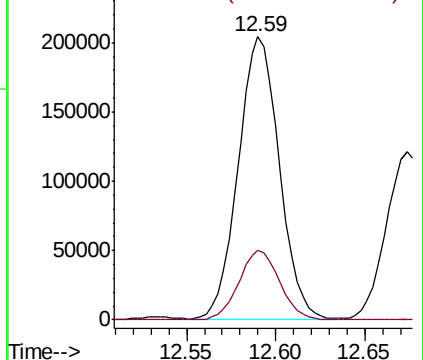
91 100

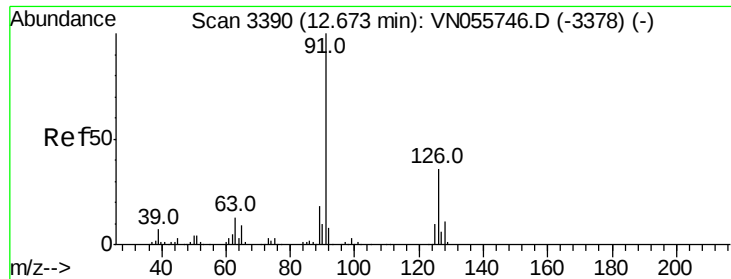
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.479 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 91 Resp: 200964

Ion Ratio Lower Upper

91 100

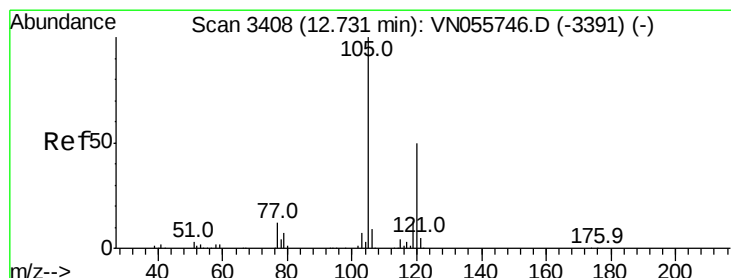
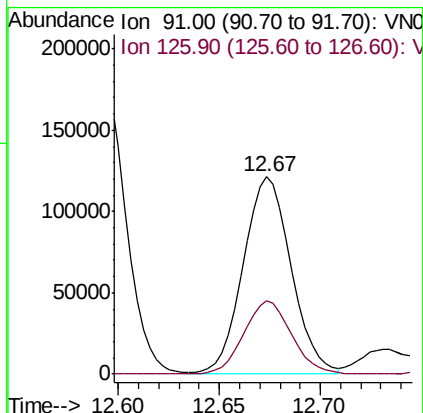
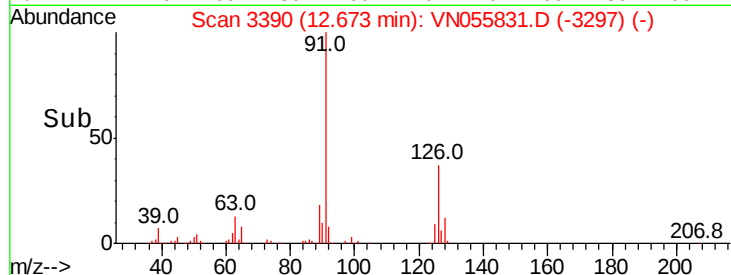
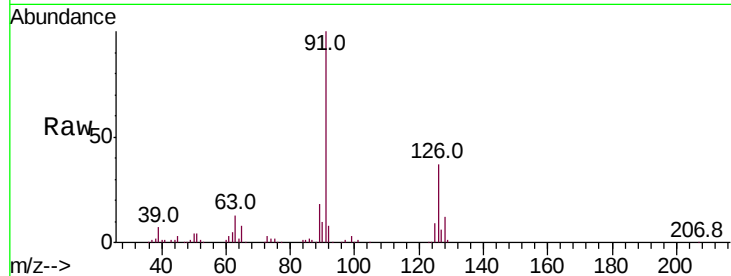
126 37.3 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.511 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055831.D

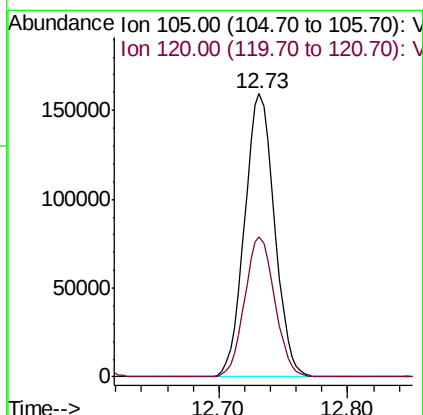
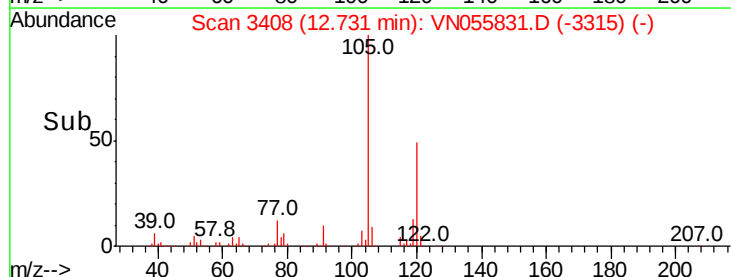
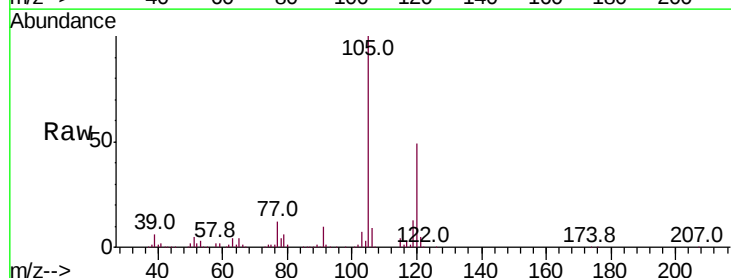
Acq: 25 May 2019 6:44

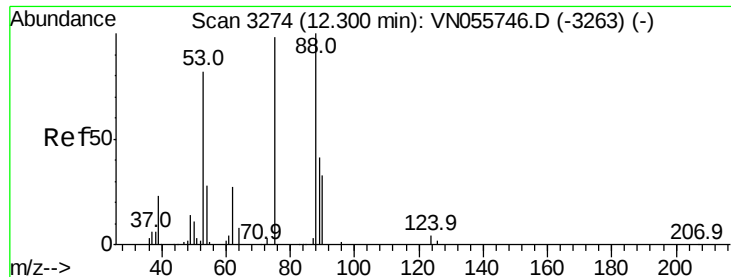
Tgt Ion: 105 Resp: 257438

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.667 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

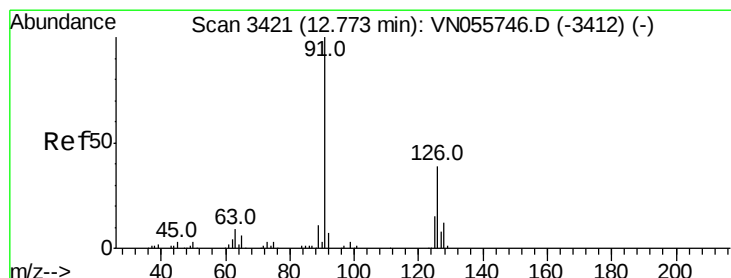
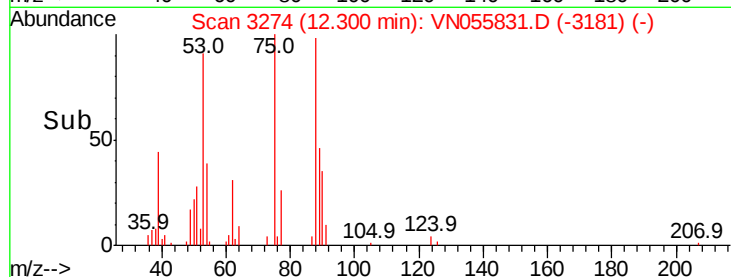
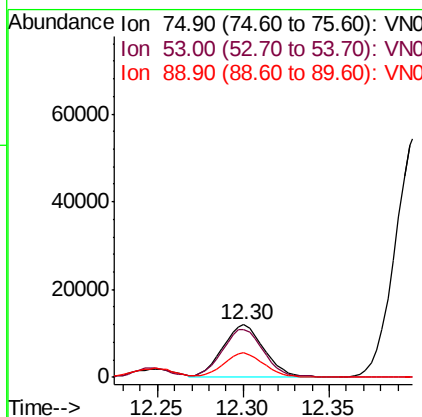
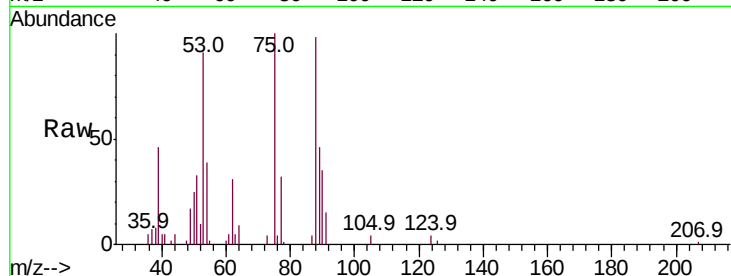
ClientSampleId :

VN0524WBSD03

Tot Ion:	75	Resp:	20405
Ion Ratio	Lower	Upper	
75	100		
53	90.8	68.1	102.1
89	44.7	36.9	55.3

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#82

4-Chlorotoluene

Concen: 19.910 ug/l

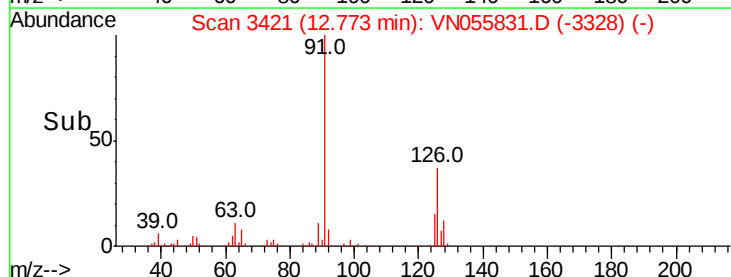
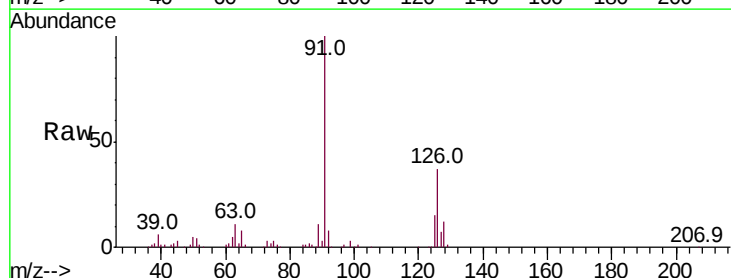
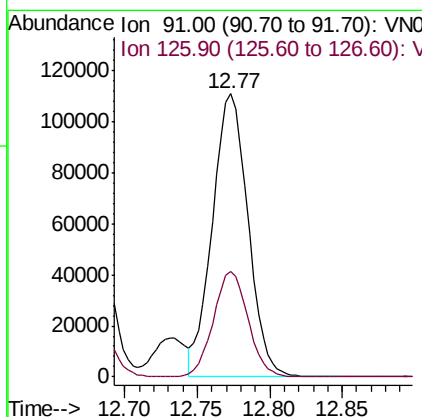
RT: 12.77 min Scan# 3421

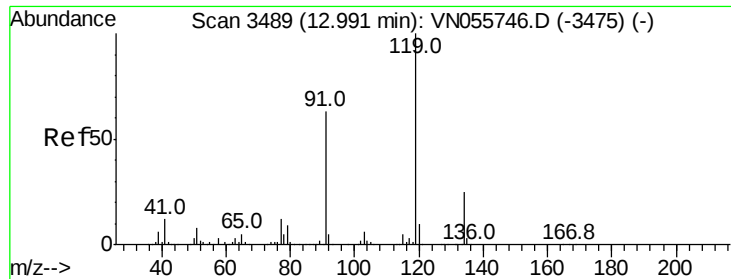
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	91	Resp:	190409
Ion Ratio	Lower	Upper	
91	100		
126	36.1	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.991 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

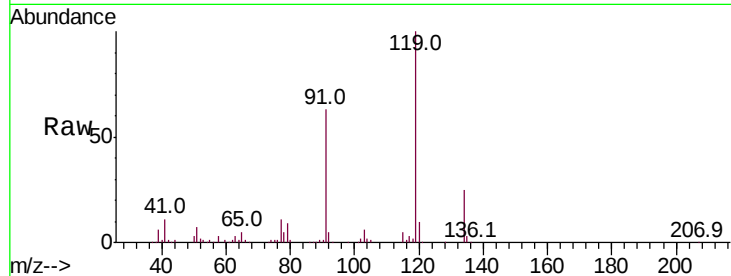
ClientSampleId :

VN0524WBSD03

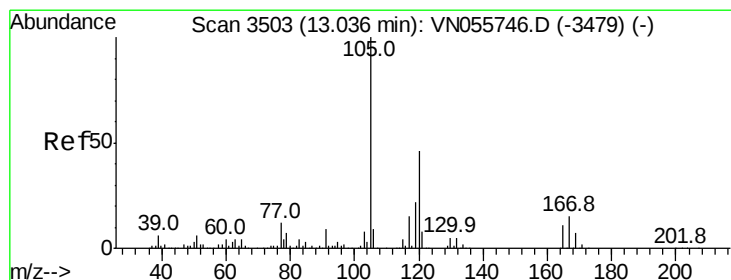
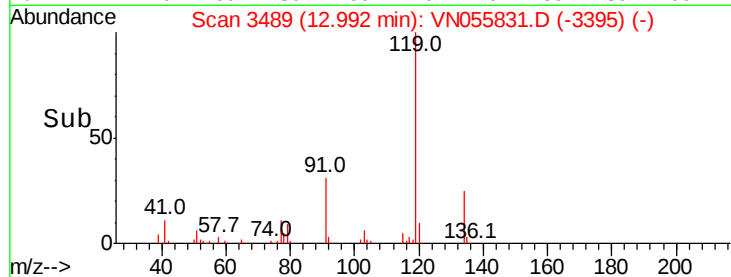
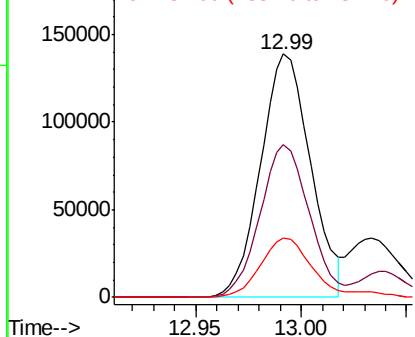
Tot Ion:	119	Resp:	229474
Ion Ratio	Lower	Upper	
119	100		
91	62.0	30.9	92.8
134	26.1	13.3	39.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.090 ug/l

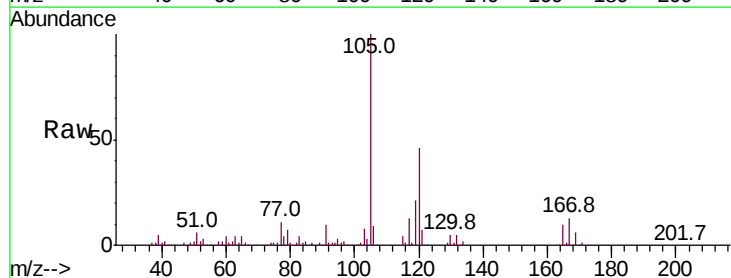
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

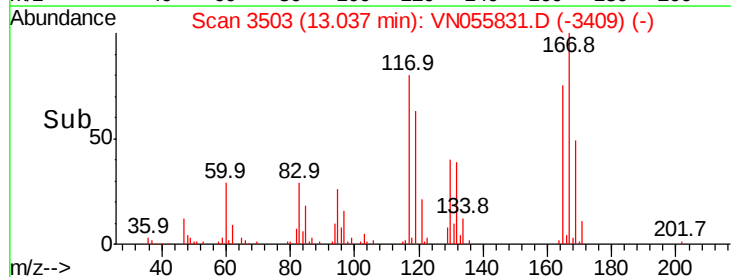
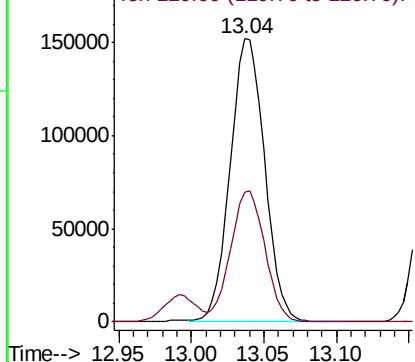
Lab File: VN055831.D

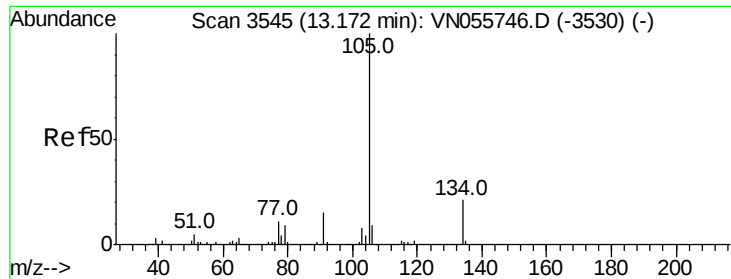
Acq: 25 May 2019 6:44

Tgt Ion:	105	Resp:	251132
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.559 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion:105 Resp: 288592

Ion Ratio Lower Upper

105 100

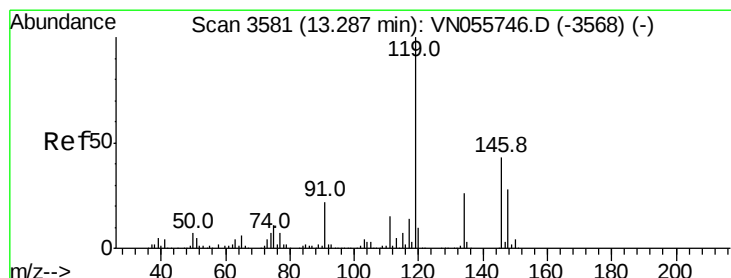
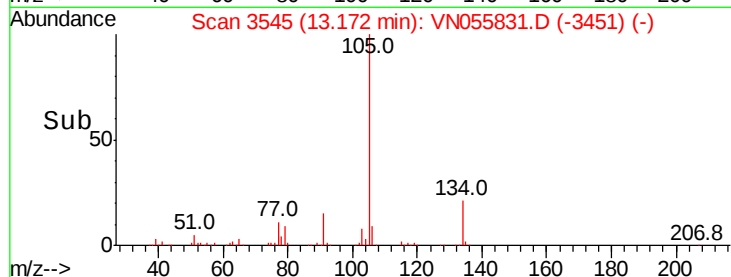
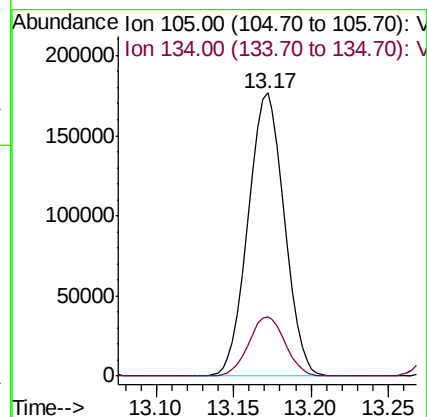
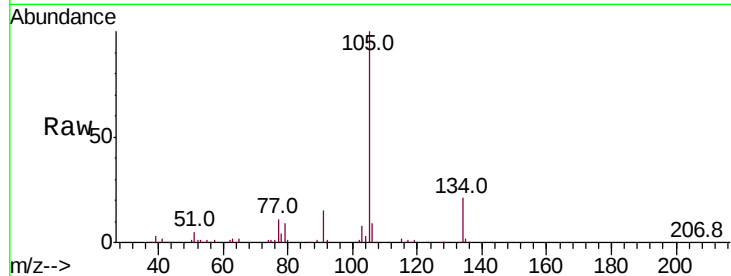
134 21.2 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.944 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

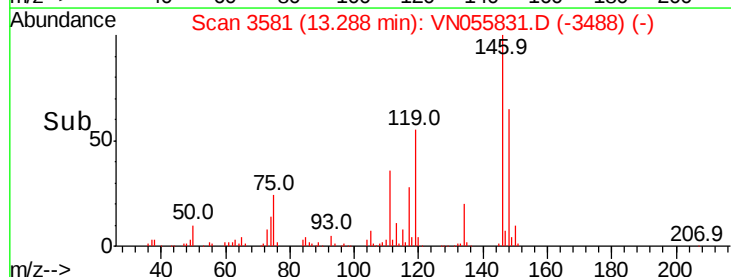
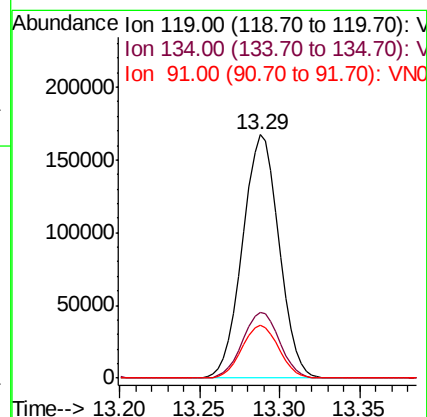
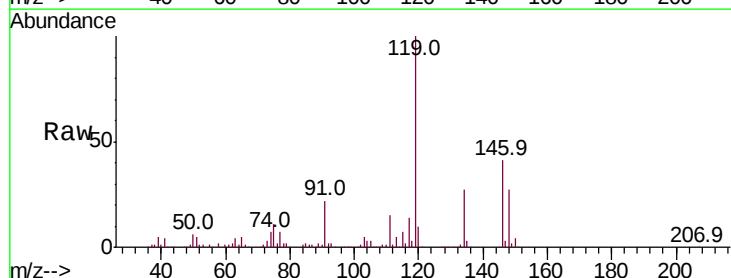
Tgt Ion:119 Resp: 259262

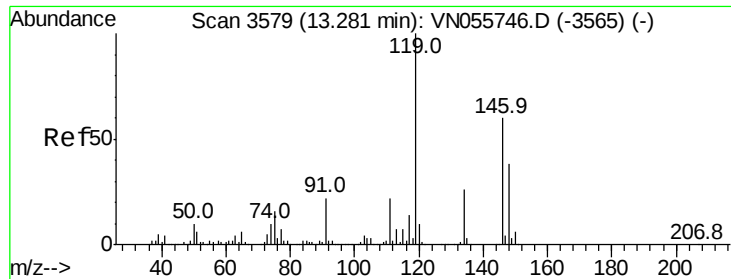
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

91 22.0 10.9 32.9





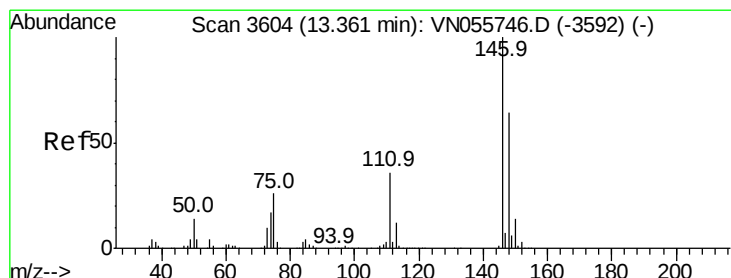
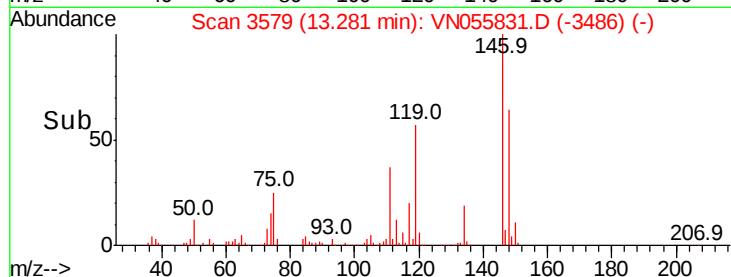
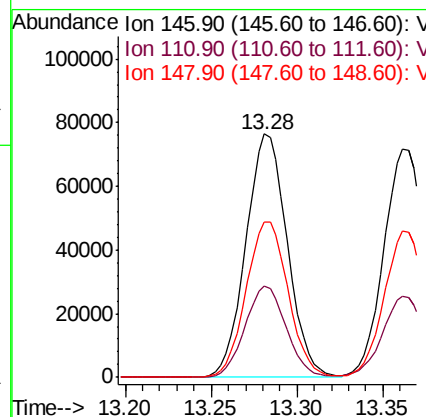
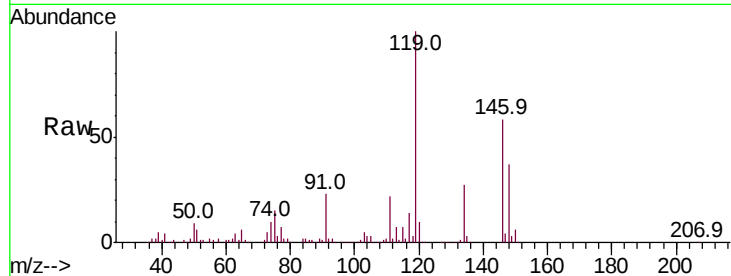
#87
 1,3-Dichlorobenzene
 Concen: 20.170 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	64.9	32.0	96.2

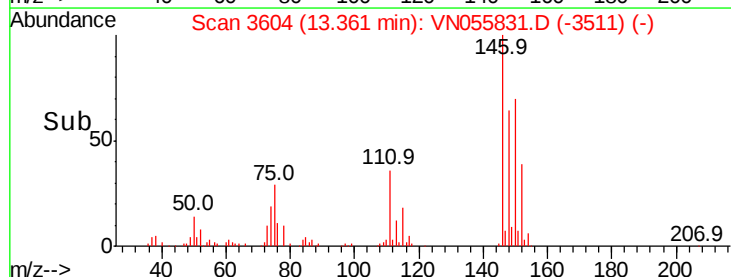
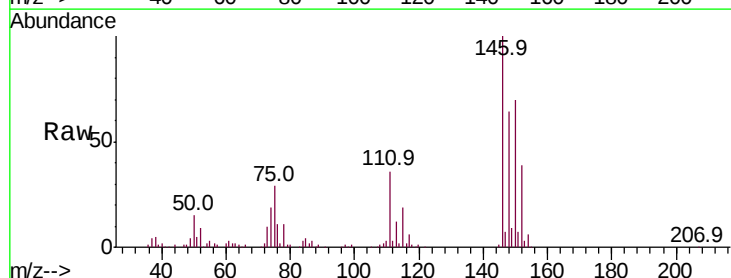
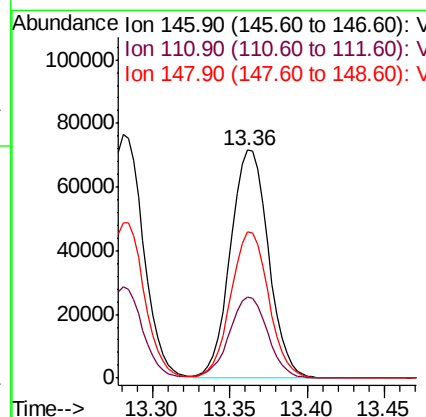
Manual Integrations
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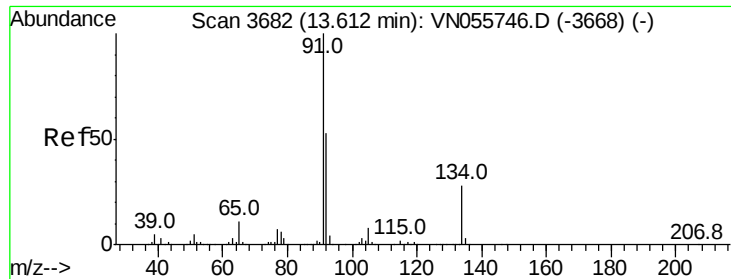
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#88
 1,4-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	64.0	32.1	96.5





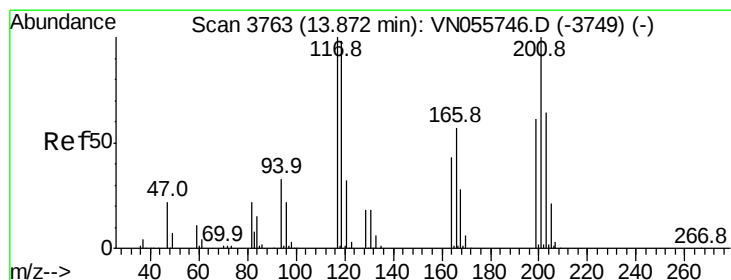
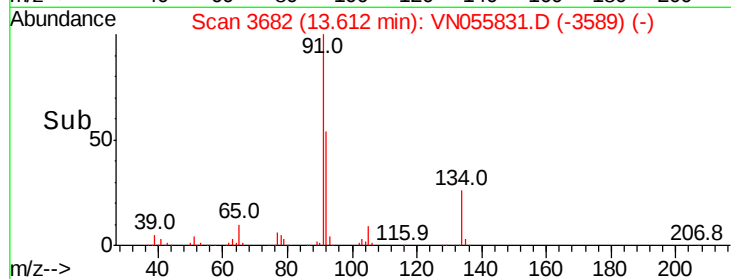
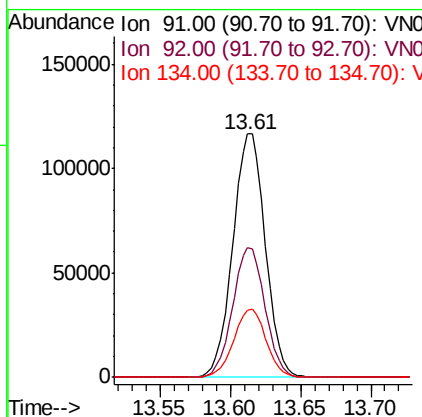
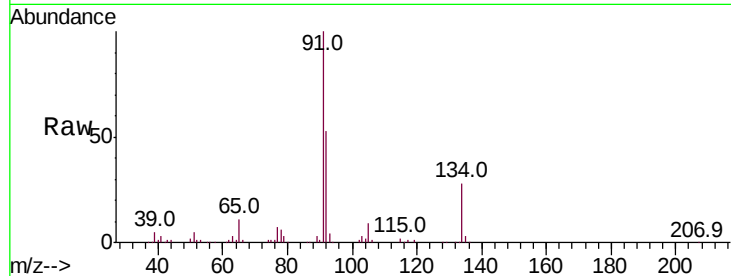
#89
n-Butylbenzene
Concen: 18.885 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	188092		
92	52.9	26.4	79.0	
134	27.9	13.9	41.7	

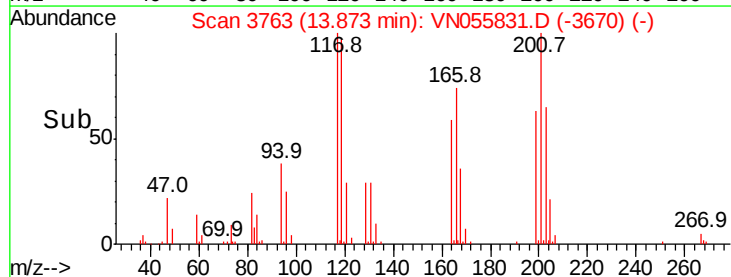
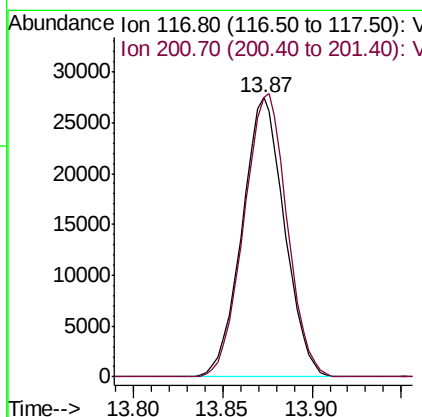
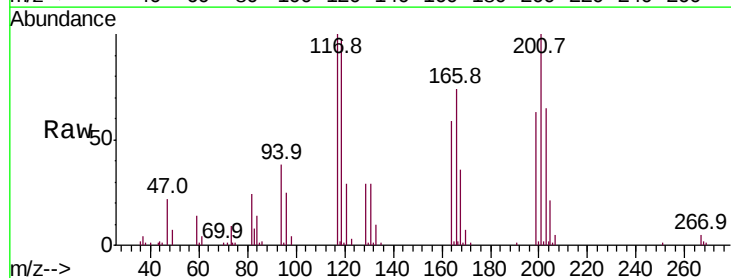
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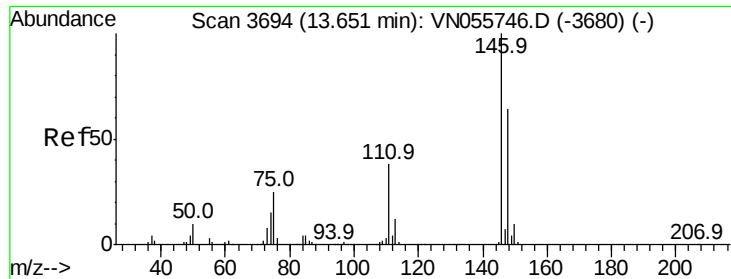
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#90
Hexachloroethane
Concen: 18.464 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45684		
201	103.0	50.0	150.0	





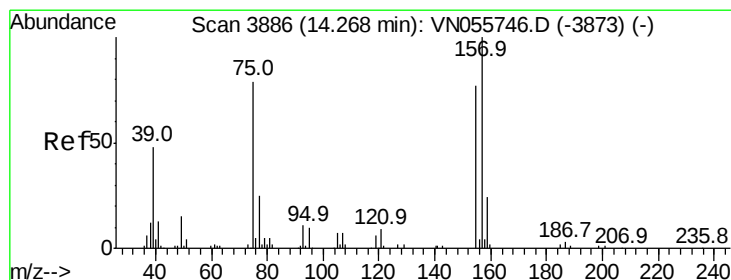
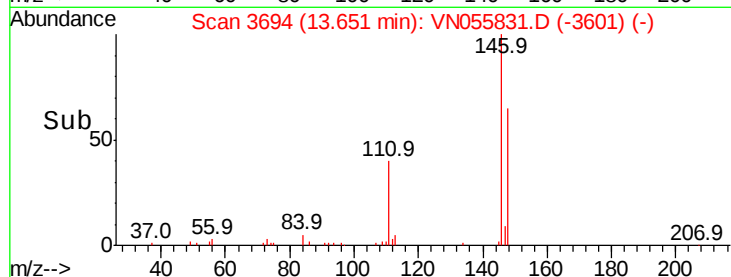
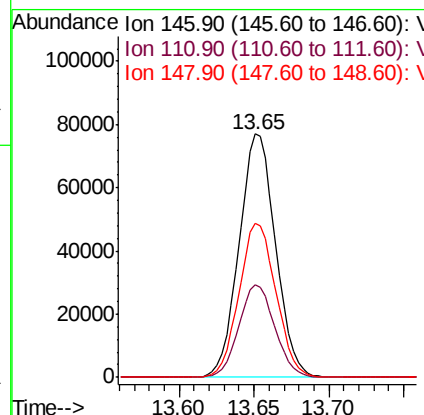
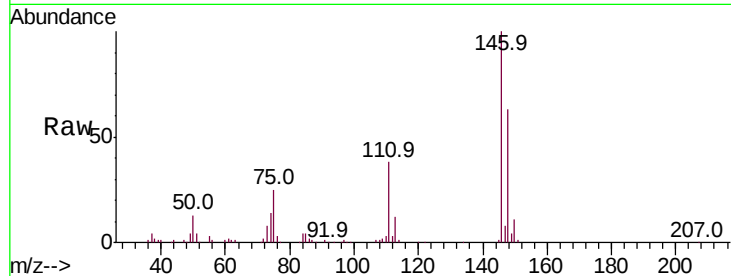
#91
 1,2-Dichlorobenzene
 Concen: 20.703 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	64.2	31.9	95.9

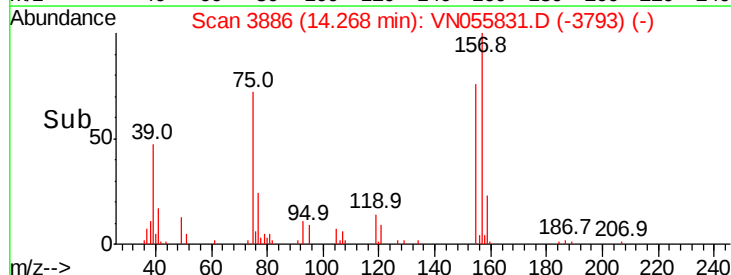
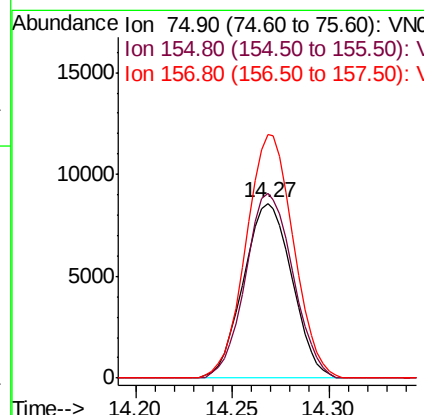
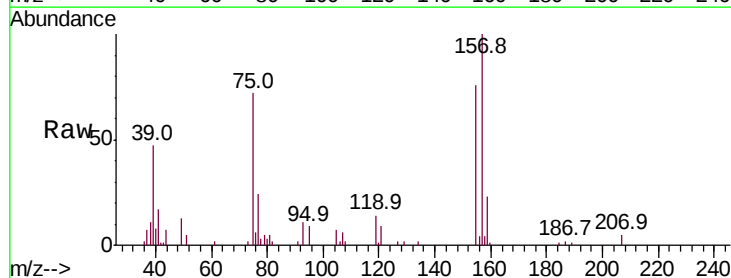
Manual Integrations
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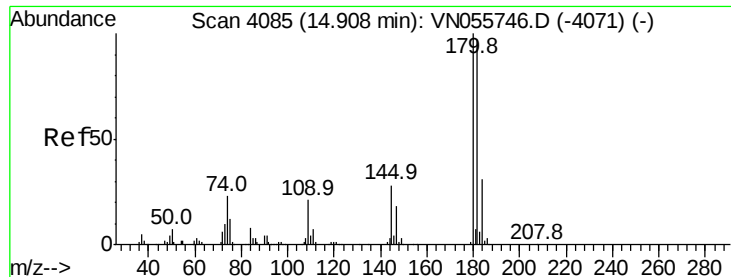
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.104 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	50.0	150.1
157	136.0	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 19.832 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

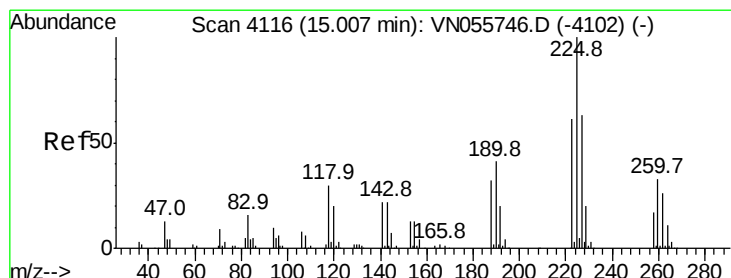
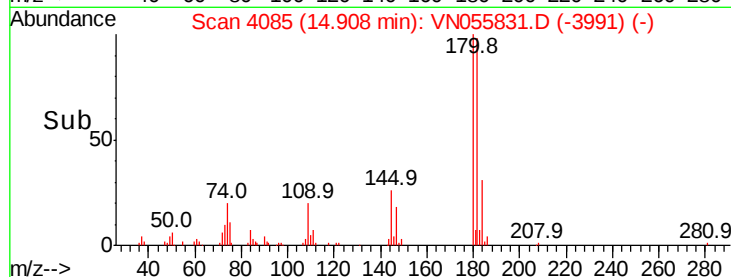
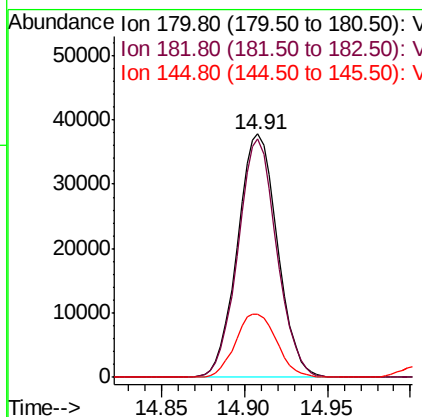
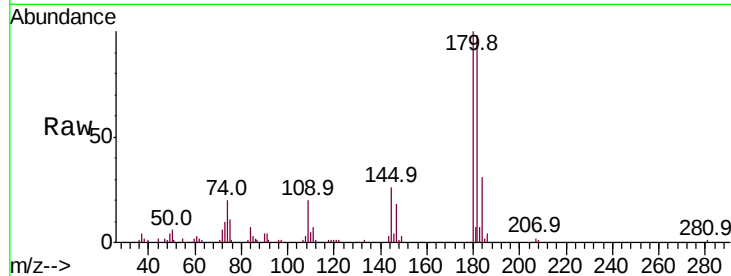
ClientSampleId :

VN0524WBSD03

Tot Ion:	180	Resp:	63408
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.3	144.9
145	26.8	14.0	41.9

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:59 AM



#94

Hexachlorobutadiene

Concen: 21.146 ug/l

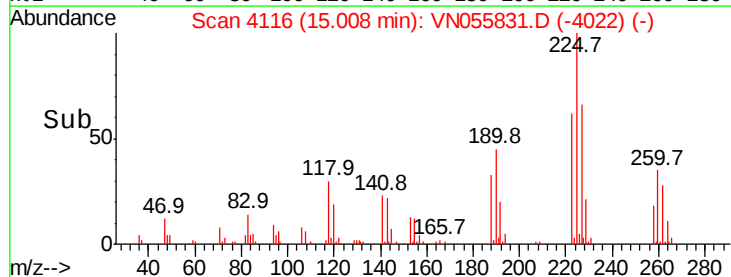
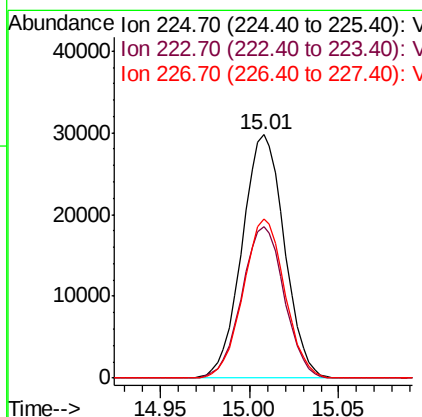
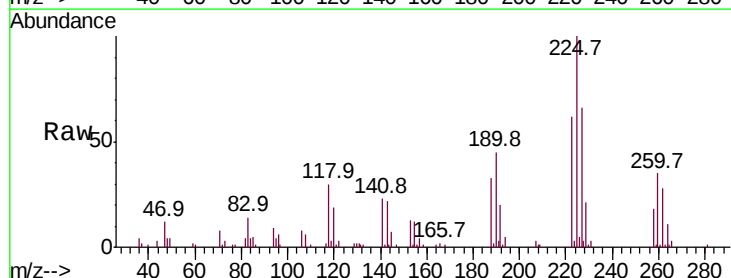
RT: 15.01 min Scan# 4116

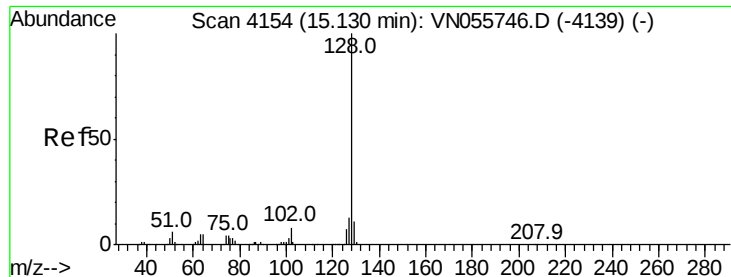
Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion:	225	Resp:	49301
Ion Ratio	Lower	Upper	
225	100		
223	62.2	30.9	92.7
227	64.3	31.6	94.7





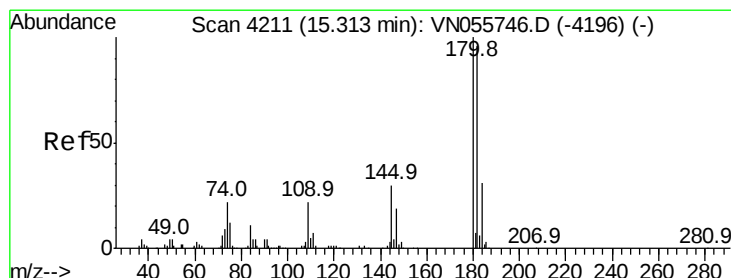
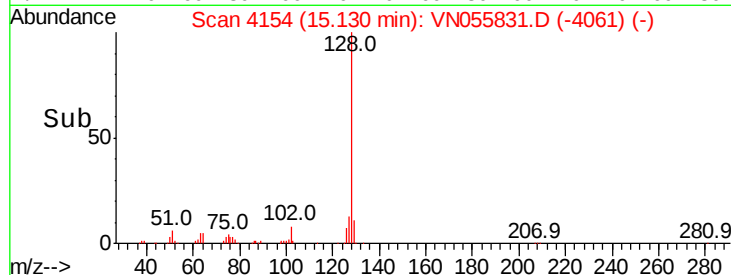
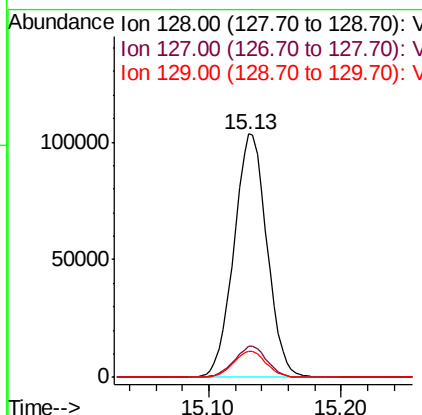
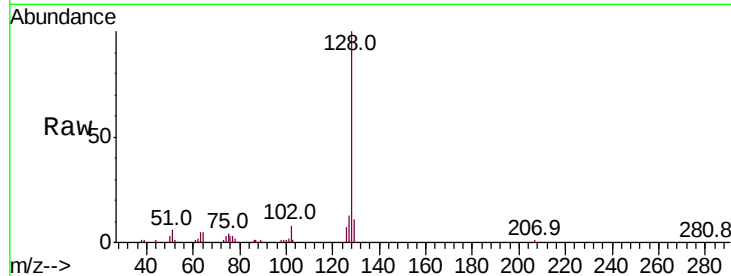
#95
Naphthalene
Concen: 20.652 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178823		
127	12.6		10.3	15.5
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.842 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69522		
182	98.1		47.9	143.7
145	30.3		14.9	44.7

