LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.331	200	204	209	rVB	63904	100142	1.06%	0.274%
2	4.306	516	528	534	rBV6	30324	96232	1.02%	0.263%
3	5.471	709	719	730	rBV	326555	944307	9.99%	2.585%
4	5.629	735	745	764	rVB	504309	1475352	15.61%	4.039%
5	6.031	802	811	821	rBV2	313644	828259	8.76%	2.267%
6	6.830	931	942	952	rBV	780055	1854624	19.63%	5.077%
7	7.434	1030	1041	1048	rBV5	56014	161657	1.71%	0.443%
8	7.635	1066	1074	1082	rBV	455684	849585	8.99%	2.326%
9	8.696	1242	1248	1256	rVB	1707658	2603225	27.55%	7.126%
10	9.275	1335	1343	1353	rBV	93393	153779	1.63%	0.421%
11	9.561	1384	1390	1404	rBV	6921485	9450188	100.00%	25.869%
12	10.098	1470	1478	1485	rBV	1826679	2527818	26.75%	6.920%
13	10.616	1555	1563	1573	rBV	576375	796965	8.43%	2.182%
14	10.805	1590	1594	1602	rBV2	78680	130239	1.38%	0.357%
15	10.896	1604	1609	1617	rVB	171242	231118	2.45%	0.633%
16	11.122	1640	1646	1651	rBV	1779838	2230713	23.60%	6.106%
17	11.341	1678	1682	1692	rVB	130280	176507	1.87%	0.483%
18	11.628	1725	1729	1731	rBV	115355	146196	1.55%	0.400%
19	11.652	1731	1733	1737	rVB	177859	203951	2.16%	0.558%
20	11.762	1744	1751	1754	rBV2	88558	125563	1.33%	0.344%
21	11.963	1781	1784	1789	rVB	122950	141369	1.50%	0.387%
22	12.061	1795	1800	1807	rVB	2470752	2879374	30.47%	7.882%
23	12.286	1828	1837	1843	rVB	534829	724098	7.66%	1.982%
24	12.353	1843	1848	1854	rBV2	106139	196475	2.08%	0.538%
25	12.634	1887	1894	1896	rBV2	508761	810730	8.58%	2.219%
26	12.683	1900	1902	1907	rVV2	115574	150016	1.59%	0.411%
27	12.738	1907	1911	1919	rVB2	340596	485355	5.14%	1.329%
28	12.890	1928	1936	1940	rBV3	112870	181539	1.92%	0.497%
29	12.963	1940	1948	1952	rVV	518291	640964	6.78%	1.755%
30	13.067	1960	1965	1971	rVB3	69935	115707	1.22%	0.317%
31	13.176	1979	1983	1985	rBV	87026	99370	1.05%	0.272%
32	13.207	1985	1988	1998	rVB	331157	443525	4.69%	1.214%
33	13.335	2004	2009	2014	rVB2	554217	735827	7.79%	2.014%
34	13.585	2046	2050	2053	rBV	105780	133015	1.41%	0.364%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Title : SW846 8260

35	13.622	2053	2056	2060	rVV3	151998	195421	2.07%	0.535%
36	13.682	2060	2066	2067	rVV2	99540	151013	1.60%	0.413%
37	13.701	2067	2069	2077	rVB2	149327	222989	2.36%	0.610%
38	13.817	2080	2088	2096	rVB	880852	1086193	11.49%	2.973%
39	13.963	2106	2112	2116	rBV2	76701	108515	1.15%	0.297%
40	14.012	2116	2120	2125	rBV2	76445	100981	1.07%	0.276%
41	14.115	2132	2137	2141	rBV	144637	172587	1.83%	0.472%
42	14.256	2156	2160	2163	rBV	85033	117182	1.24%	0.321%
43	14.298	2163	2167	2174	rVV	155565	197658	2.09%	0.541%
44	14.487	2195	2198	2202	rBV2	162578	200687	2.12%	0.549%
45	14.676	2226	2229	2237	rVB	104826	132628	1.40%	0.363%
46	14.774	2239	2245	2248	rBV2	89235	133894	1.42%	0.367%
47	14.823	2248	2253	2260	rVB	567064	715974	7.58%	1.960%
48	15.036	2280	2288	2296	rBV3	106050	171352	1.81%	0.469%

Sum of corrected areas: 36530858

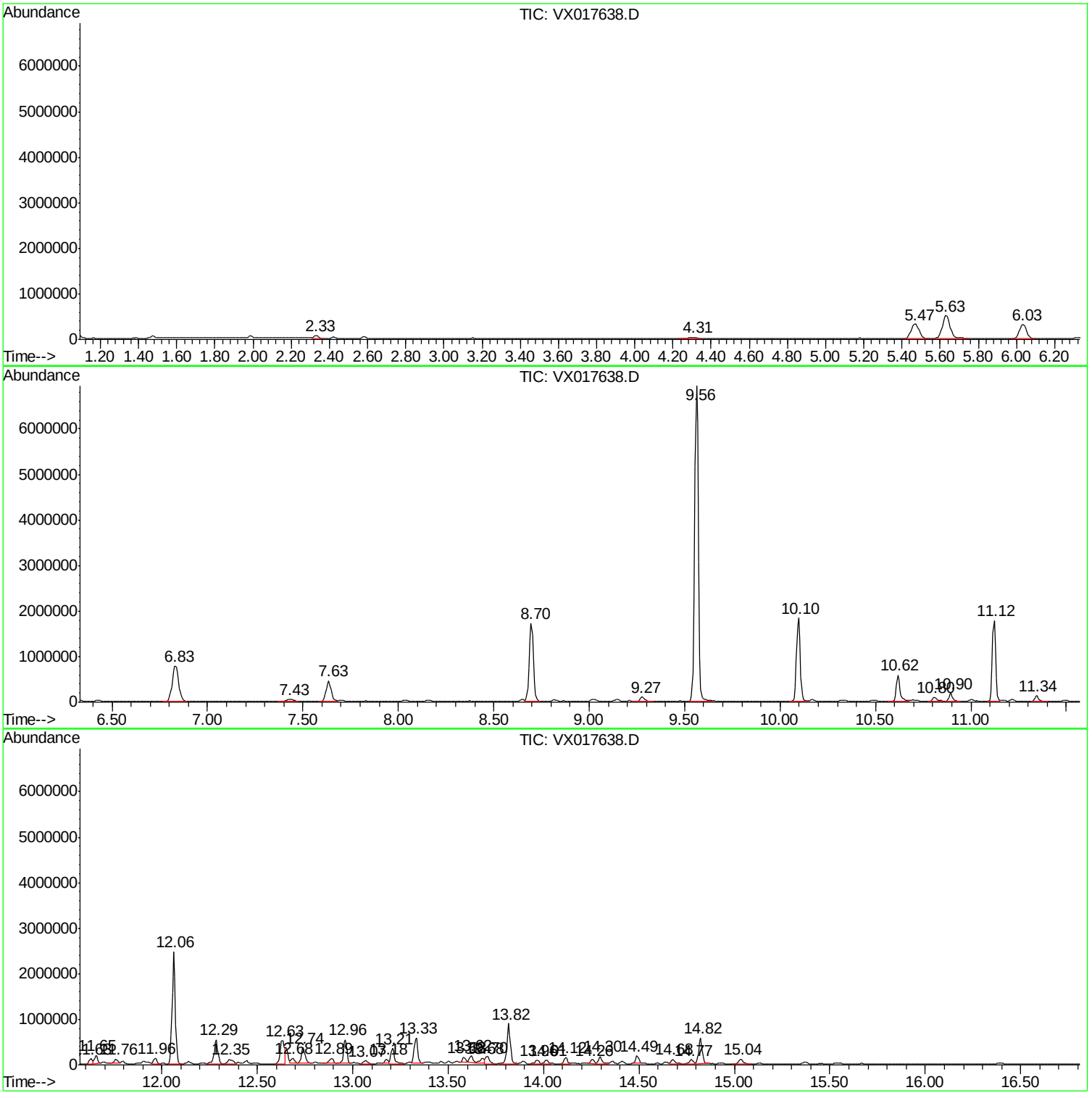
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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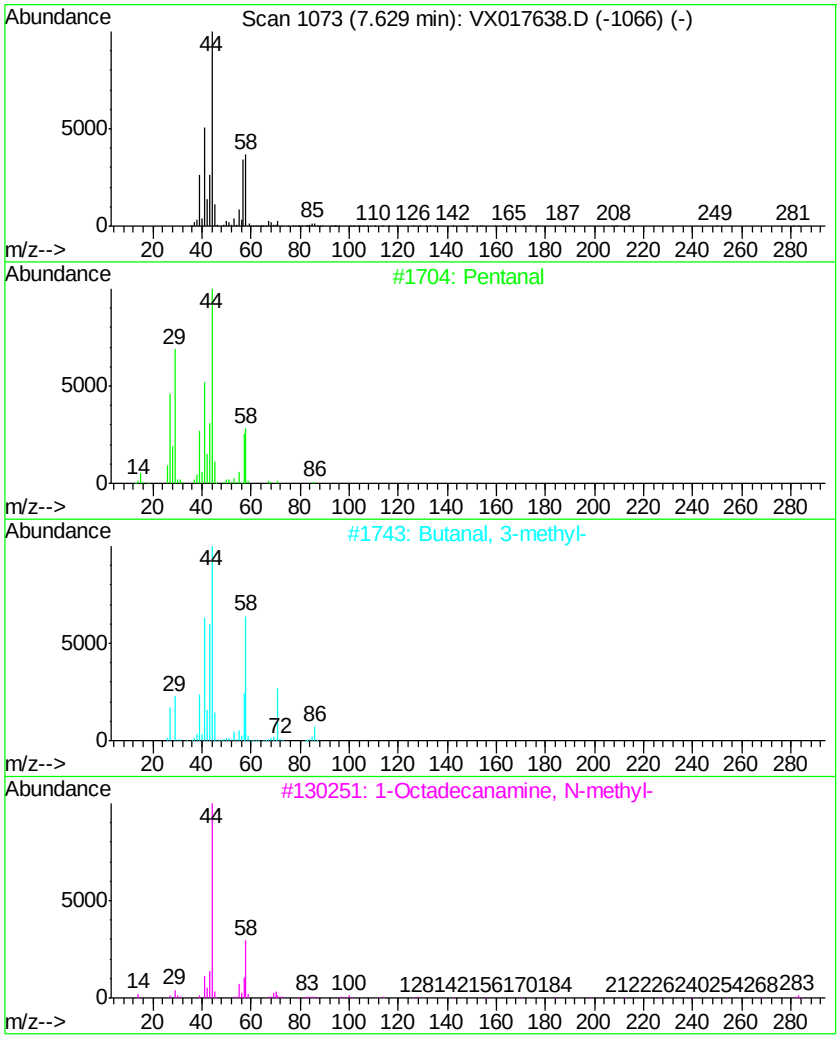
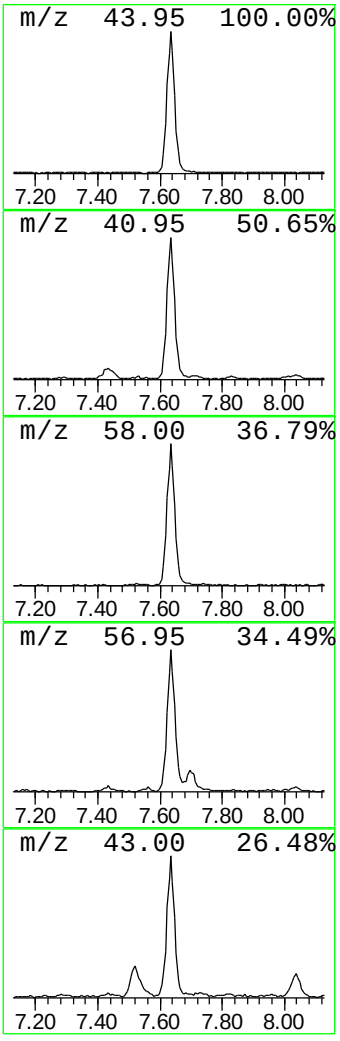
Peak Number 1 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	22.90 ug/l	849585	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	72
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	45
3	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	43
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	40
5	Carbonic acid, ethyl 2-propenyl ...	130	C6H10O3	001469-70-1	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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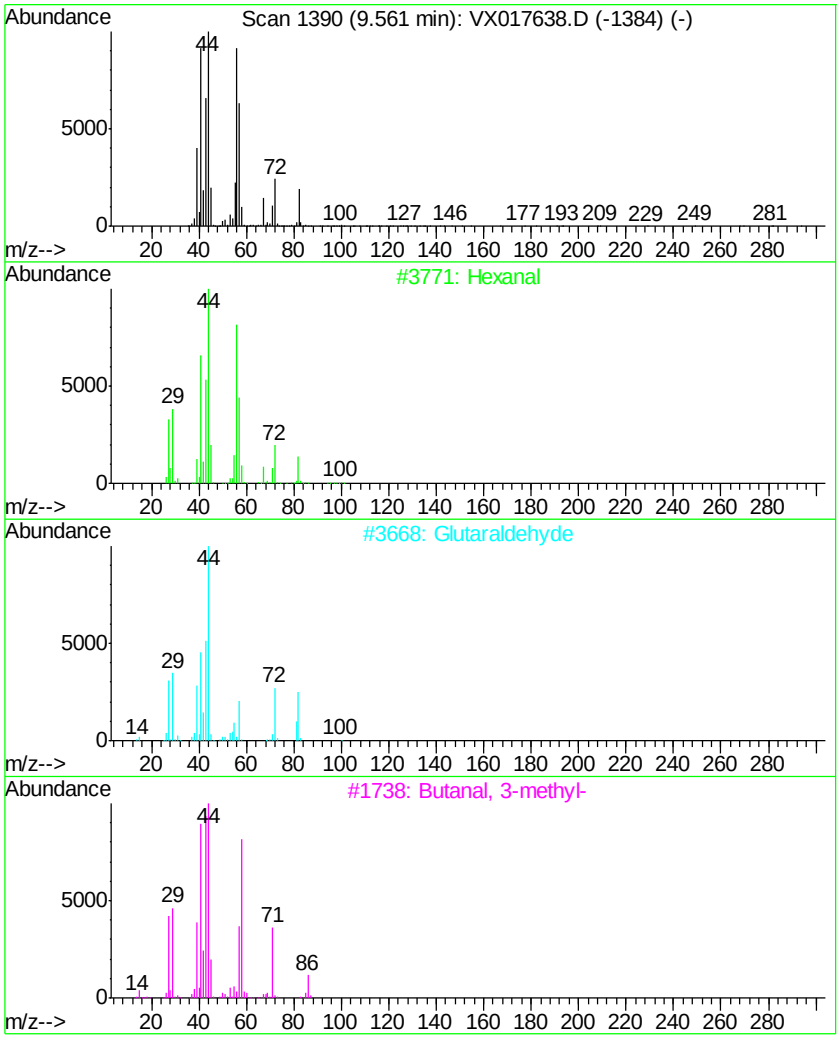
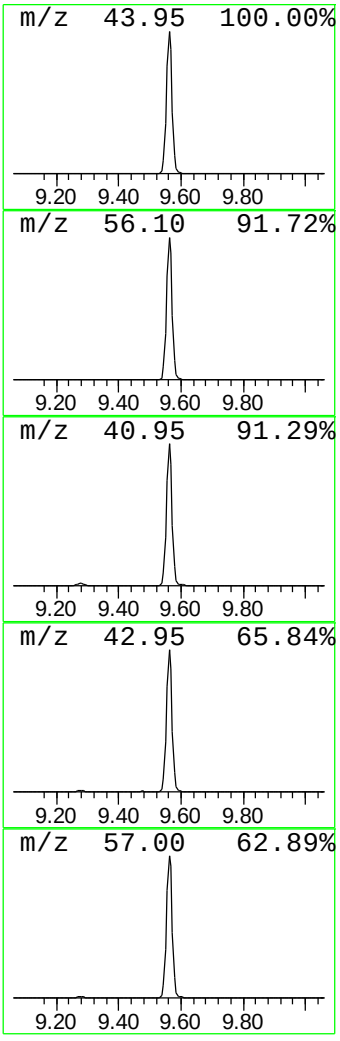
Peak Number 2 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	186.92 ug/l	9450190	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	80
2	Glutaraldehyde	100	C5H8O2	000111-30-8	38
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	35
4	Butanal	72	C4H8O	000123-72-8	25
5	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	23





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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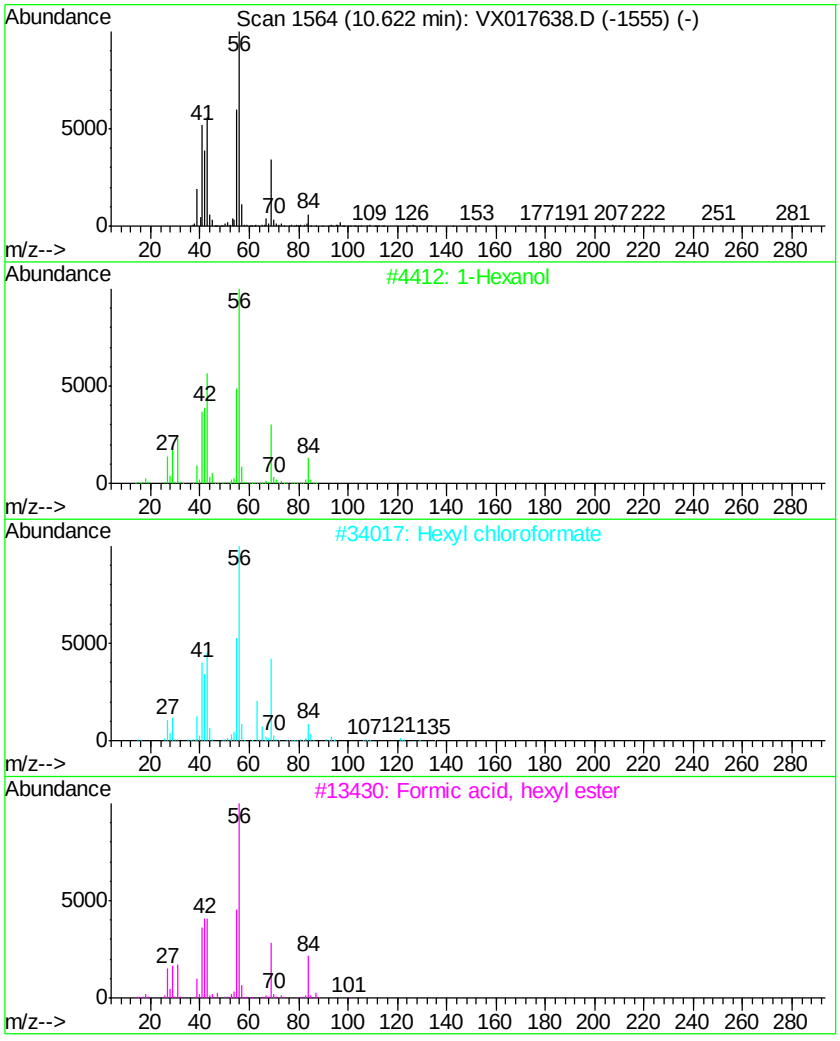
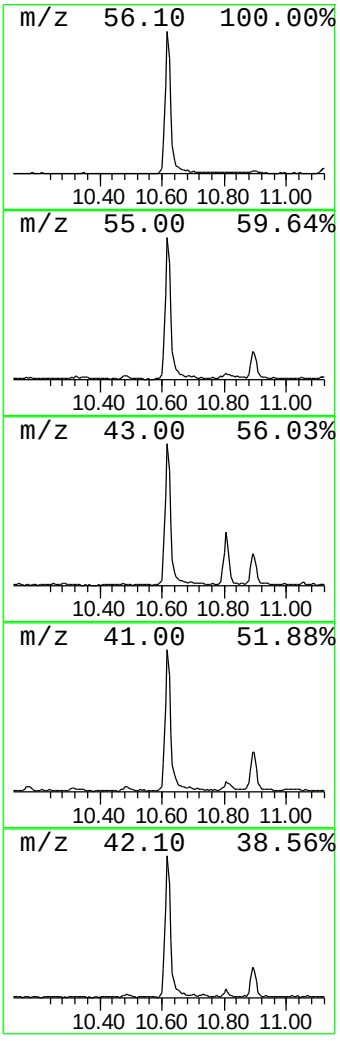
Peak Number 3 1-Hexanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	15.76 ug/l	796965	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	90
2	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	78
3	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	74
4	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	74
5	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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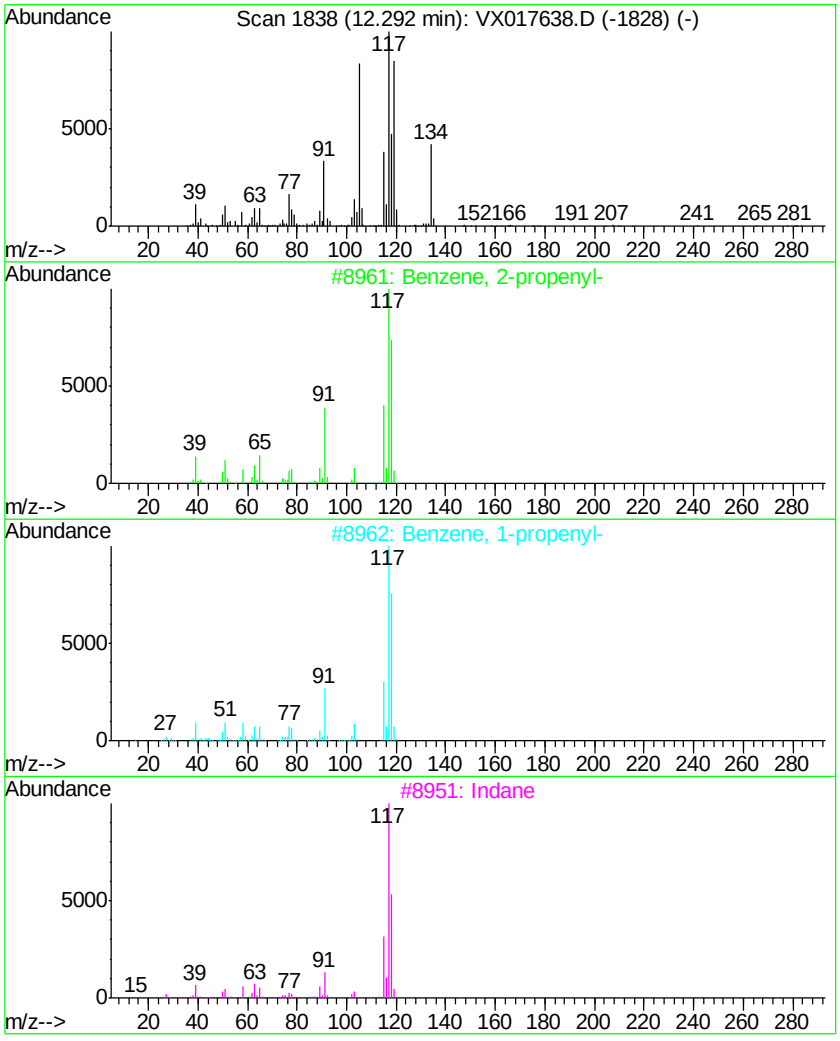
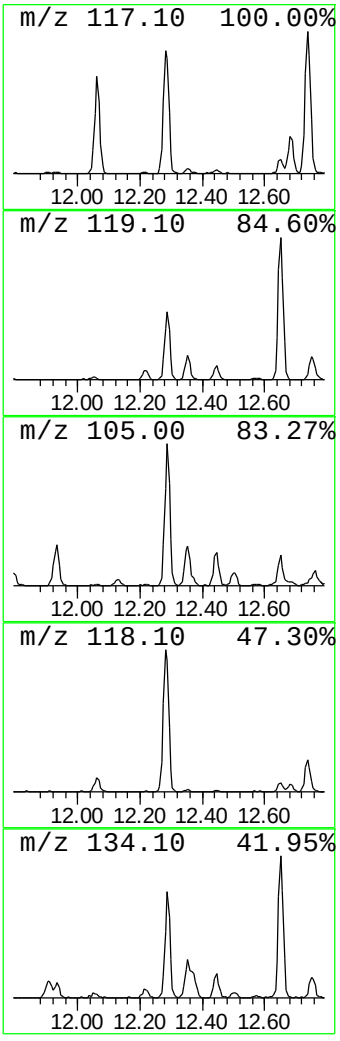
Peak Number 4 Benzene, 2-propenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	12.57 ug/l	724098	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5	Deltacyclene	118	C9H10	007785-10-6	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

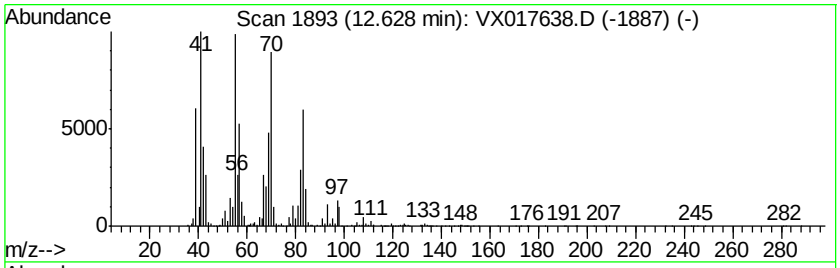
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

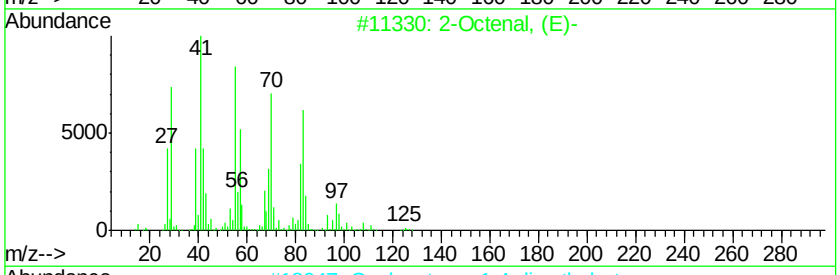
****

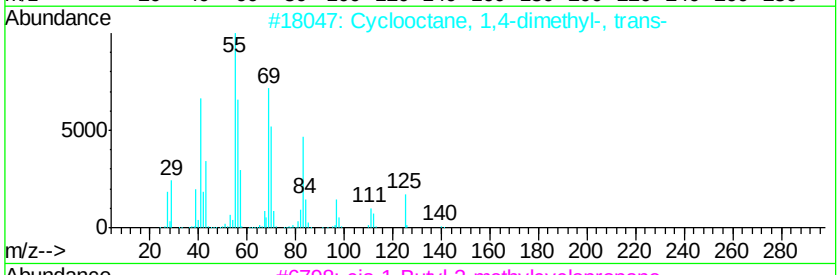
Peak Number 5 2-Octenal, (E)- Concentration Rank 4

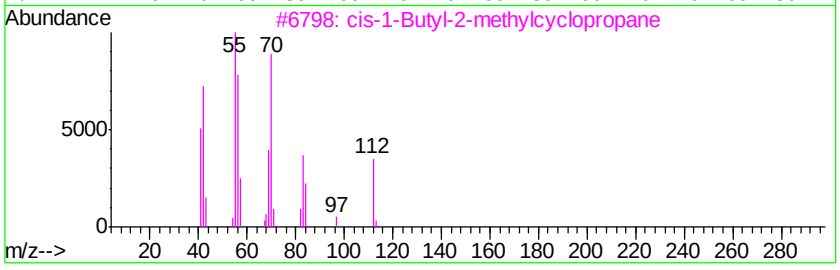
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	14.08 ug/l	810730	1,4-Dichlorobenzene-d4	12.06

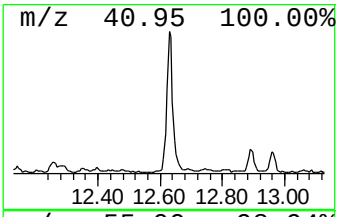
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	72
2	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	47
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	38
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	22
5	Pentane, 3-chloro-	106	C5H11Cl	000616-20-6	22

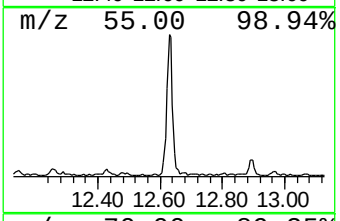


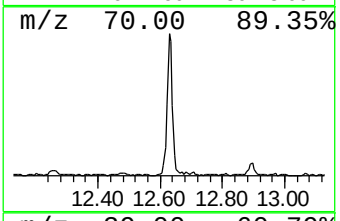


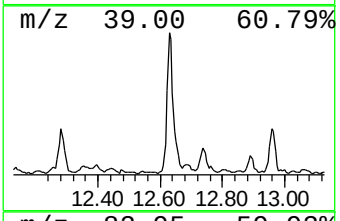


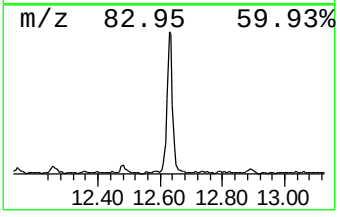












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

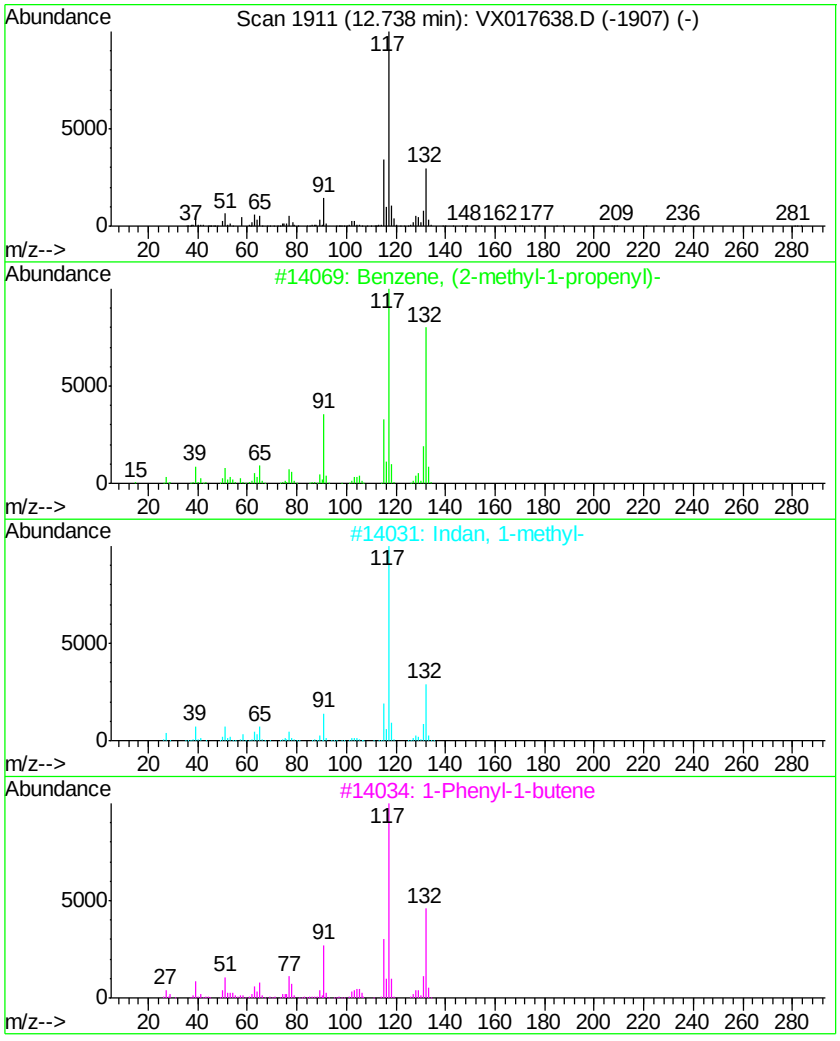
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

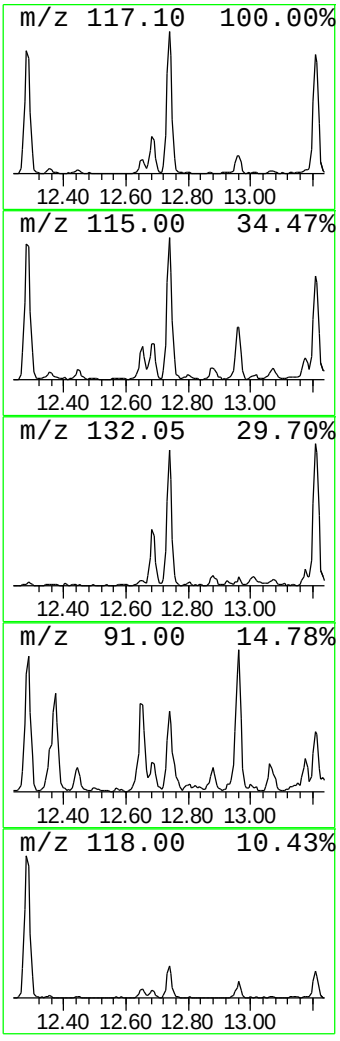
****

Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	8.43 ug/l	485355	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

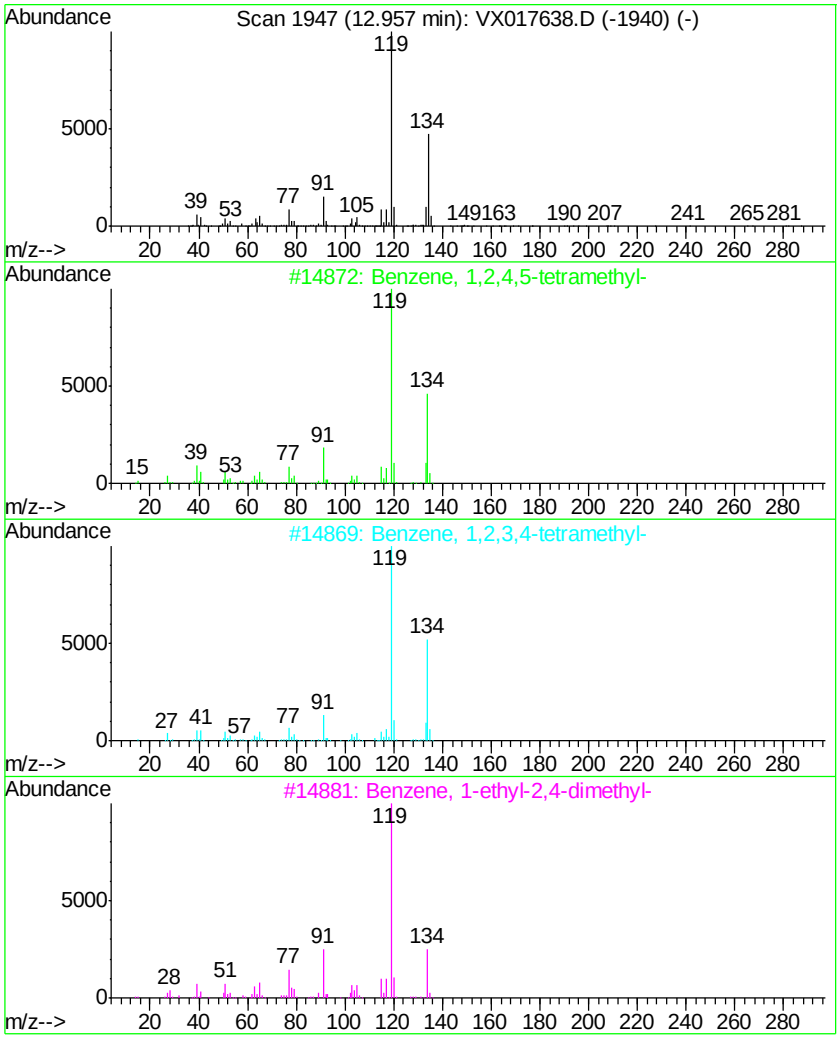
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

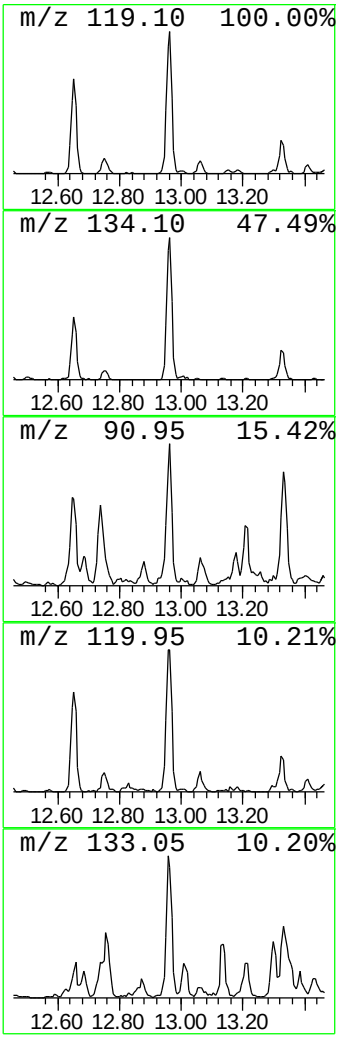
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	11.13 ug/l	640964	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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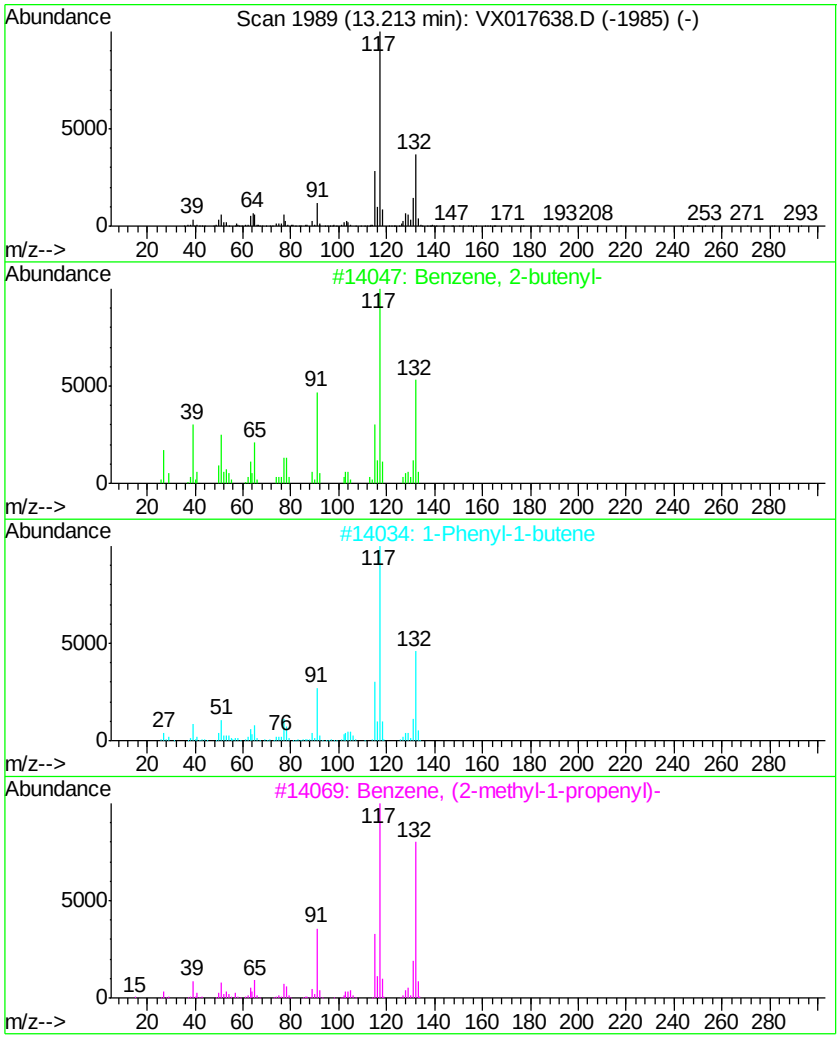
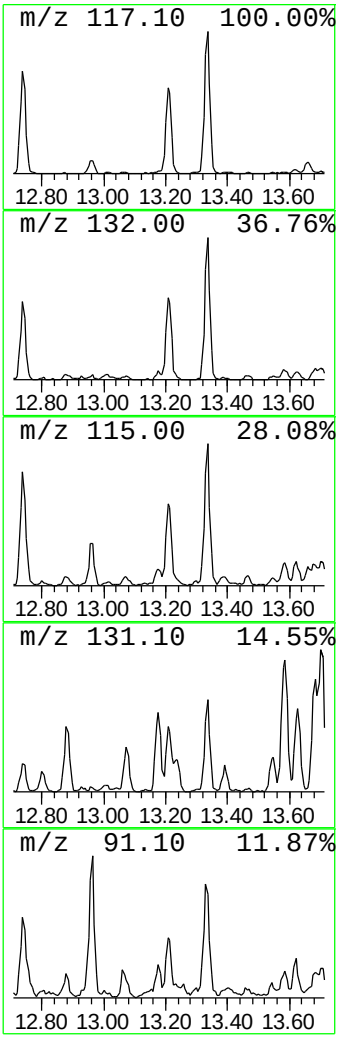
Peak Number 8 Benzene, 2-butenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	7.70 ug/l	443525	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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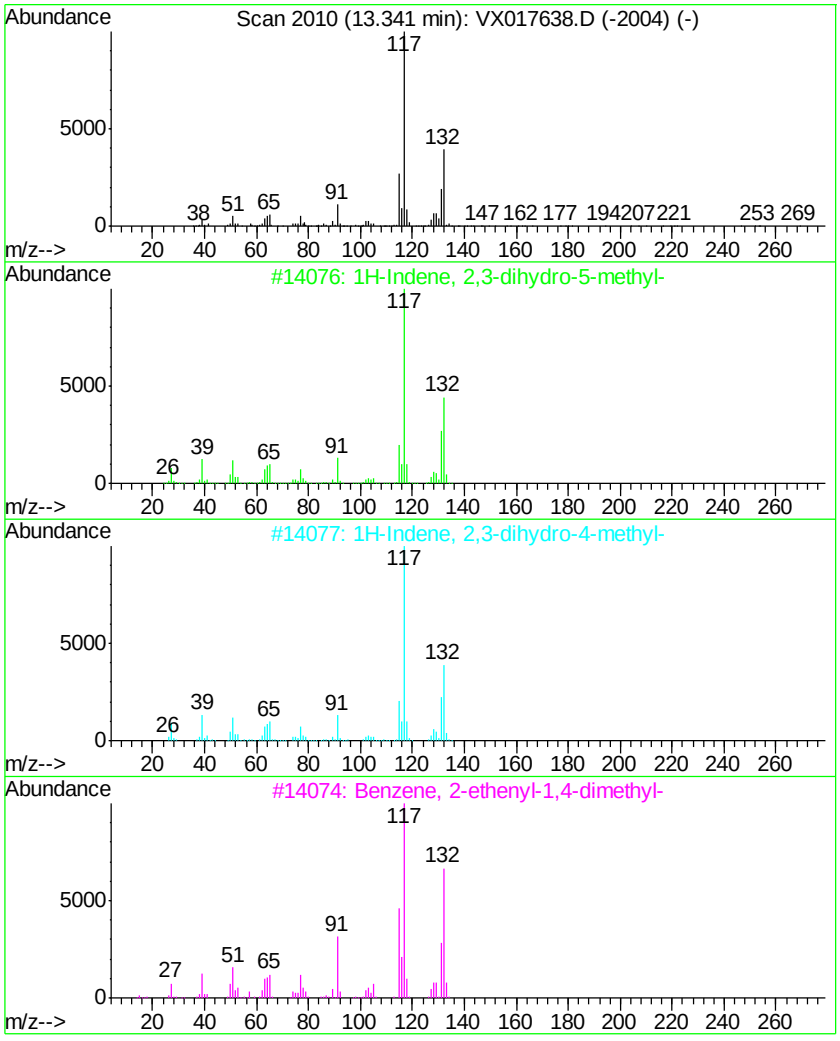
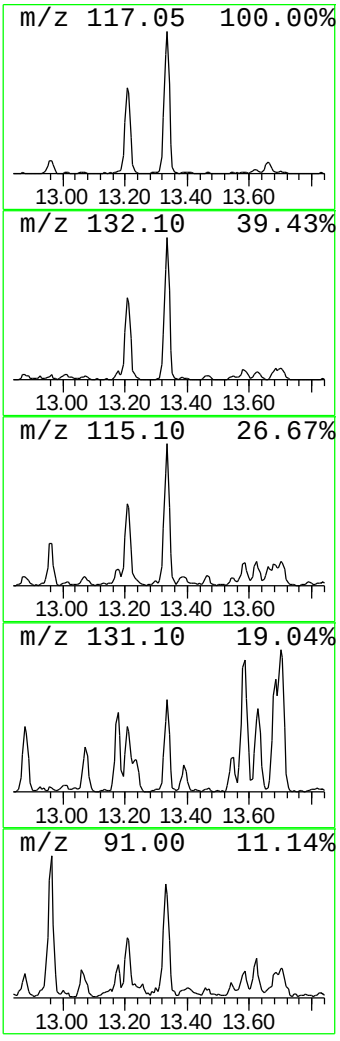
Peak Number 9 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	12.78 ug/l	735827	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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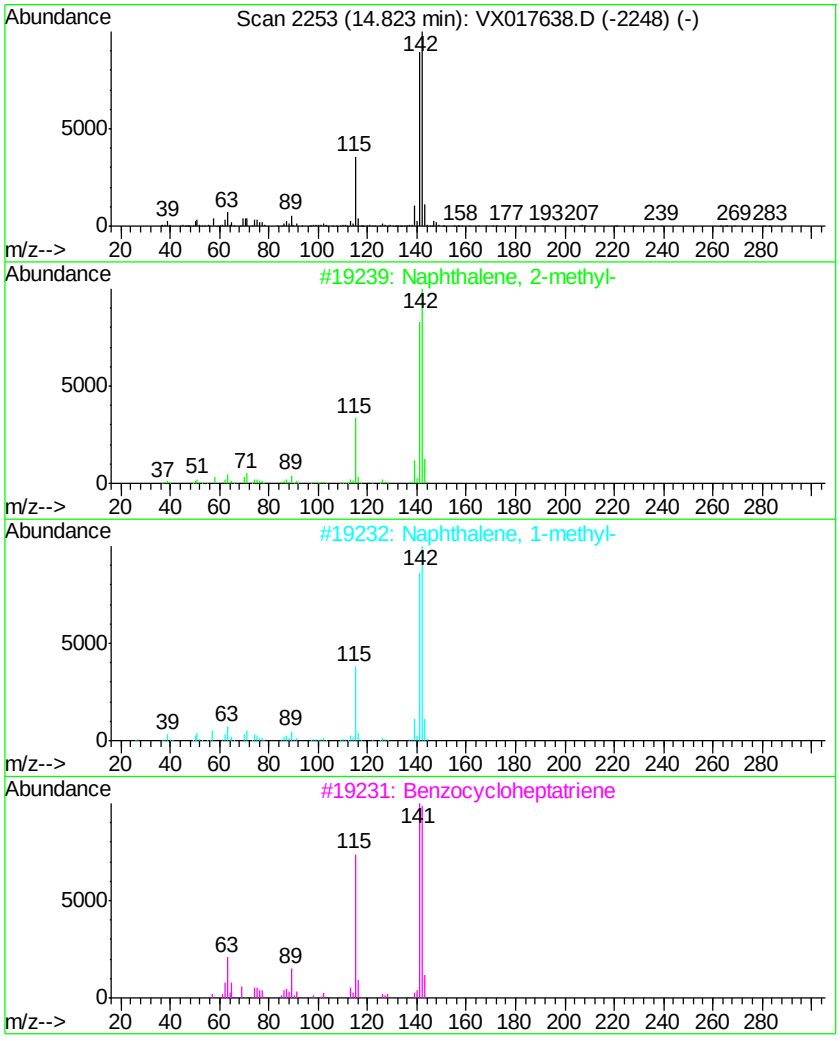
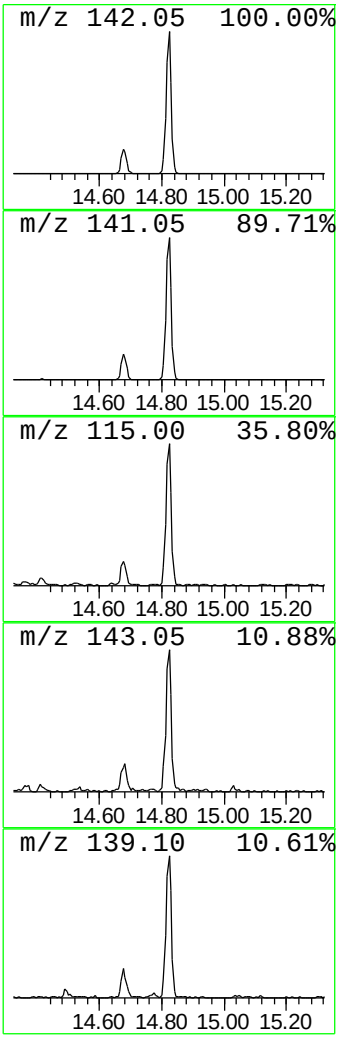
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	12.43 ug/l	715974	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GROUNDWATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentanal	7.63	22.9	ug/l	849585	2	6.83	1854620	50.0
Hexanal	9.56	186.9	ug/l	9450190	3	10.10	2527820	50.0
1-Hexanol	10.62	15.8	ug/l	796965	3	10.10	2527820	50.0
Benzene, 2-propenyl-	12.29	12.6	ug/l	724098	4	12.06	2879370	50.0
2-Octenal, (E)-	12.63	14.1	ug/l	810730	4	12.06	2879370	50.0
Benzene, (2-methy...	12.74	8.4	ug/l	485355	4	12.06	2879370	50.0
Benzene, 1,2,4,5-...	12.96	11.1	ug/l	640964	4	12.06	2879370	50.0
Benzene, 2-butenyl-	13.21	7.7	ug/l	443525	4	12.06	2879370	50.0
1H-Indene, 2,3-di...	13.34	12.8	ug/l	735827	4	12.06	2879370	50.0
Naphthalene, 1-me...	14.82	12.4	ug/l	715974	4	12.06	2879370	50.0